2020

Sensormatic Shrink Management Catalog

Sensormatic
by **Johnson Controls**

2020
Sensormatic Shrink Management Catalog

"Sensormatic Solutions has installed Sensormatic EAS pedestals and hard tags in all our stores. They are fantastic, helping us significantly reduce our shrinkage rates by 70-75% annually! With their superb after-sales service and fast response time, our overall experience with Sensormatic's EAS systems has been excellent."

Mary S.
North American Department Store Chain

The Sensormatic difference

High-performance Loss Prevention solutions trusted by retailers worldwide

Sensormatic Solutions is a global leader in enabling smart and connected shopper engagement with over 55 years of experience serving customers from boutiques to global retail enterprises. Our solutions deliver real-time visibility and predictive, prescriptive analytics, helping retailers confidently move toward seamless unified commerce and enhanced customer experience.

Backed by over 1,500 patents, the genuine Sensormatic portfolio offers comprehensive merchandise protection for nearly every high-theft, high-velocity category. Our suite of EAS hard tags, labels, detection systems, detachers, deactivators and more are engineered to enable open merchandising and reduce theft in virtually any retail environment. Beyond traditional EAS, our innovative Google Cloud-based Sensormatic Shrink Management as a Service (SMaaS) solution offers device management with predictive insights to help reduce shrink, improve sales and optimize staffing.

As one of the most trusted names in loss prevention, Sensormatic Solutions powers operational excellence at scale with smart offerings for frictionless, positive customer experiences.

Our technologies include:

- **Acousto-Magnetic (AM) Technology:**
  High-performance Sensormatic acousto-magnetic (AM) technology provides industry-leading EAS detection rates to reduce shrink and promote open merchandising for increased sales and a better customer experience.

- **Acousto-Magnetic/Radio Frequency Identification (AM/RFID) Technology:**
  Our dual AM/RFID option lets retailers enjoy AM shrink deterrence with RFID item-level inventory visibility to optimize product availability and improve operations.

- **Radio Frequency (RF) Technology:**
  Our RF portfolio offers an affordable, reliable anti-shoplifting solution that promotes open merchandising for a variety of retail environments.

For more information or to purchase any of our solutions, visit www.sensormatic.com and contact us to have a local sales representative contact you.

Hard Tags

InFuzion SuperTag

The Sensormatic InFuzion SuperTag combines top-of-the-line merchandise protection and ease of use into a secure, one-piece system. With proven high-performance AM technology, this defeat-resistant tag is designed to provide operational savings while freeing associates to spend more time assisting customers.

InFuzion features an integrated pin that reduces the application process from two steps to one. This allows retailers to spend less time tagging in-store and easily remove the tag at the point-of- sale to help see significant labor savings and improve front-end checkout efficiencies. Plus, the integrated pin helps eliminate the cost of replacing lost or broken pins.

Retailer Values

· Reduces time and labor required to apply and remove tags when compared to traditional two-piece tags
· One-piece design helps eliminate the need to sort and store pins separately
· Speeds up the front-end check-out process with easy tag removal at the point-of-sale

Suggested Solution Application

Apparel, Denim, Outerwear, Sportswear

Product Codes

AM Technology
ZLAMT6200-G: Gray

Product Compatibility

· Detachers
· SuperTag
· SuperTag Manual Handheld

Detacher Type
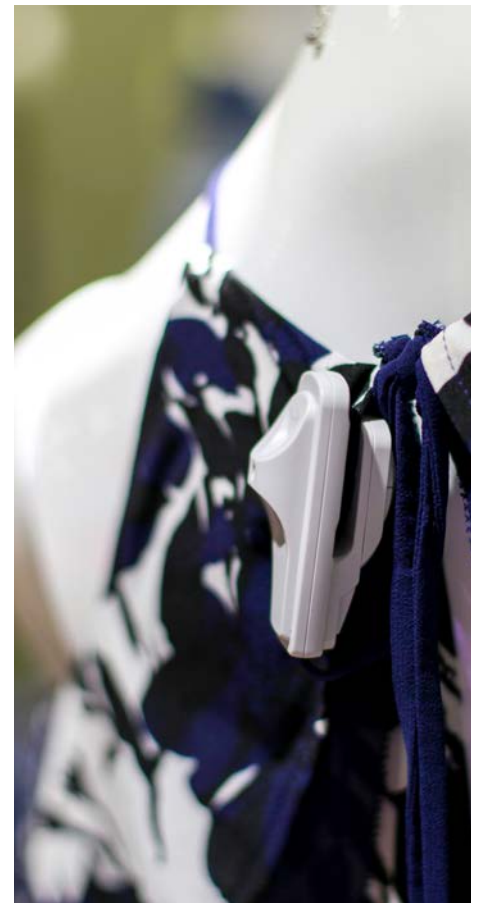
SuperTag

Environmental Constraints

Temperature
Maximum storage temperature not to exceed 66°C (150°F) for 96 hours at 80% RH.

Humidity
Unaffected by 80% humidity at 66°C (150°F), up to 96 hours

Specifications

Color	Gray, Light Gray
Length	61.2mm (2.41in)
Width	30mm (1.22in)
Depth Open	44.5mm (1.75in)
Depth Latched	31.7mm (1.25in)
Weight	13.9g (0.49oz)

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.

InFuzion Magnetic Tag

The Sensormatic InFuzion Magnetic Tag combines ease of use and merchandise protection into a secure, one-piece system. This defeat-resistant tag is designed to provide operational savings while freeing associates to spend more time assisting customers.

InFuzion features an integrated pin that reduces the application process from two steps to one. This allows retailers to spend less time tagging in-store and easily remove the tag at the point-of-sale to help see significant labor savings and improve front-end checkout efficiencies. Plus, the integrated pin design helps eliminate the cost of replacing lost or broken pins. Available in either AM or RF technology, this unobtrusive, visible deterrent is equipped with a delicate pin that safely protects apparel and fine garments.

Retailer Values

· Reduces time and labor required to apply and remove tags when compared to traditional two-piece tags
· Improves safety since there are no pins to lose or handle
· Sleek one-piece design helps eliminate the need to store and sort pins and tags separately
· Speeds up front-end check-out with easy tag removal at the point-of-sale

Suggested Solution Application

Apparel, Delicates, Denim, Outerwear, Sportswear, Swimwear

Product Codes

AM Technology:
ZLAMT8225: Gray (5kG)
ZLAMT8229: Gray (9kG)
ZLAMT8225B: Black (5kG)
ZLAMT8229B: Black (9kG)

RF Technology:
RFT8225: Red (5kG)
RFT8229: Red (9kG)
RFT8225B: Black (5kG)
RFT8229B: Black (9kG)

Product Compatibility

Detachers
· Magnetic 9kG Detachers
· Magnetic 5kG Detachers
· Universal Magnetic Detacher

Detacher Type

Magnetic

Environmental Constraints

Temperature
Storage temperature range:
–30°C to 60°C (–22°F to 140°F)
Operating temperature:
–10°C to 50°C (14°F to 122°F)

Humidity
85% at 30°C (86°F)

Specifications

Color:
Gray or Black........................ AM Technology
Red or Black...........................RF Technology

Length..................................51.3mm (2.01in)
Width 17.7mm (0.696in)
Depth 24.2mm (0.952in)

Weight:
AM Technology................... ....8.8g (0.310oz)
RF Technology......................10.8g (0.381oz)
Lock Magnetic Strength...................5kG, 9kG

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.
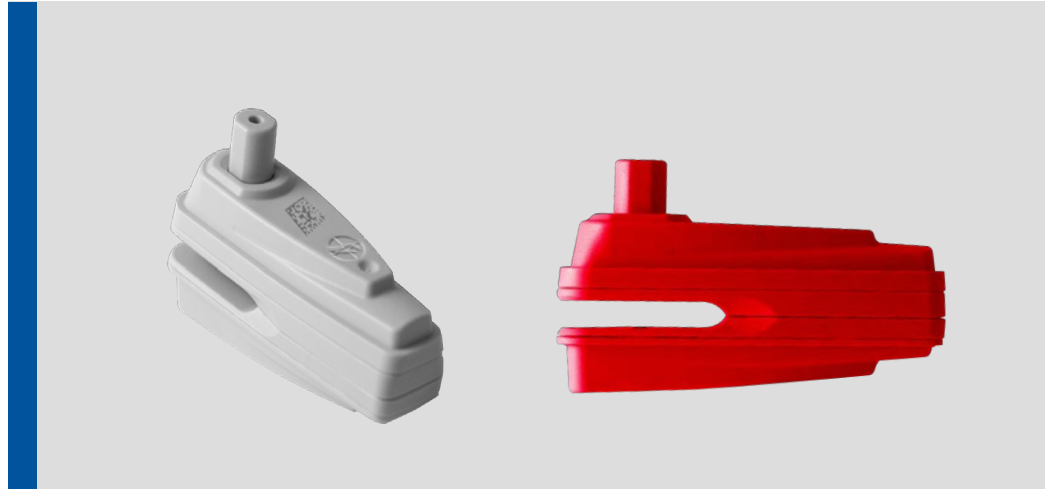
InFuzion RFID 2D Barcode Magnetic Tag

The Sensormatic InFuzion Magnetic Tag combines ease of use and merchandise protection into a secure, one-piece system. This defeat-resistant tag is designed to provide operational savings while freeing associates to spend more time assisting customers. InFuzion features an integrated pin that reduces the application process from two steps to one. This allows retailers to spend less time tagging in-store and easily remove the tag at the point-of- sale to help see significant labor savings and improve front-end checkout efficiencies. Plus, the integrated pin design helps eliminate the cost of replacing lost or broken pins. Available with RFID in combination with AM or RF technology, this unobtrusive, visible deterrent is equipped with a delicate pin that safely protects apparel and fine garments.

The dual technology InFuzion tag allows retailers to get all the operational benefits of the patented tag while leveraging their existing EAS infrastructure while investing in RFID for inventory management use cases. The dual technology magnetic RFID InFuzion hard tag features a highly sensitive Radio Frequency Identification (RFID) inlay for item-level visibility along with either Acousto Magnetic (AM) or Radio Frequency (RF) for loss prevention use cases. This durable tag features a laser-etched 2D barcode that allows retailers to program electronic product code (EPC) specific information directly onto the tag using a compatible mobile reader. This barcode is especially helpful when a swing ticket is missing from tagged merchandise because it allows store associates to quickly scan and retrieve point-of-sale (POS) data necessary to complete the checkout process. The RFID element stores information specific to the protected merchandise for item-level and real-time merchandise visibility.

Source tagging is available so retailers can receive floor ready merchandise with consistent tag placement – expediting receiving and sales floor fulfillment.

Retailer Values
- Reduces time and labor required to apply and remove tags when compared to traditional two-piece tags
- Improves safety for staff and customers with integrated design with no pins to lose or handle
- Sleek one-piece design helps eliminate the need to store and sort pins and tags separately
- Speeds up front-end check-out with easy tag removal at the point-of-sale
- Enables near real-time merchandise visibility and improves inventory accuracy
- RFID element offers an efficient way to track inventory, while the AM or RF EAS element protects productsfrom theft

Suggested Solution Application
Apparel, Delicates, Denim, Outerwear, Sportswear, Swimwear
- RFID technology enables efficient mobile and self-checkout POS
- Tagging at the point of manufacturing (source tagging) helps improve tag compliance
- Source tagged merchandise arrives floor ready, enabling faster sales floor fulfillment

Suggested Solution Application
Apparel, Delicates, Denim, Outerwear, Sportswear, Swimwear

Product Codes

AM/RFID Technology (Gray):
IDTM8229N2D-1:(ETSI)
IDTM8229N2D-2:(FCC)

RF/RFID Technology (Red):
IDTM8229RF-1:(ETSI)
IDTM8229RF-2:(FCC)

Product Compatibility

Detachers
Magnetic 9kG Detachers

Detacher Type

Magnetic

Environmental Constraints

Temperature
Storage temperature range:
-30°C to 60°C (-22°F to 140°F)
Operating temperature range:
-10°C to 50°C (14°F to 122°F)

Humidity
85% at 30°C (86°F)

Materials of Construction

Tag Housing ....High-Impact ABS
Label Housing

Low Density Polyethylene/ Polyester/
Polyethylene 0.127mm (0.0050in)

RFID Inlay ....Mylar, Silicon

Tack .... Delicate Stainless-Steel Pin

Specifications

2D Barcode Format. ....Data Matrix
Barcode Size. 8x8mm
EPC Memory .... 96 bits up to 128 bits

Operating Frequencies
860-928MHz

Color

Gray .... AM/RFID Technology
Red .... RF/RFID Technology

Length..................................51.3mm (2.01in)
Width 17.7mm (0.696in)
Depth 27.2mm (1.07in)

Weight
AM/RFID Technology..............8.8g (0.310oz)
RF/RFID Technology..............10.8g (0.381oz)
Lock Magnetic........................Strength 9kG

CE This product is in conformity with RoHS
Directive 2011/65/EU, 2015/863/EU and REACH
regulation as defined in EC No 1907/2006 and
subsequent amendments.
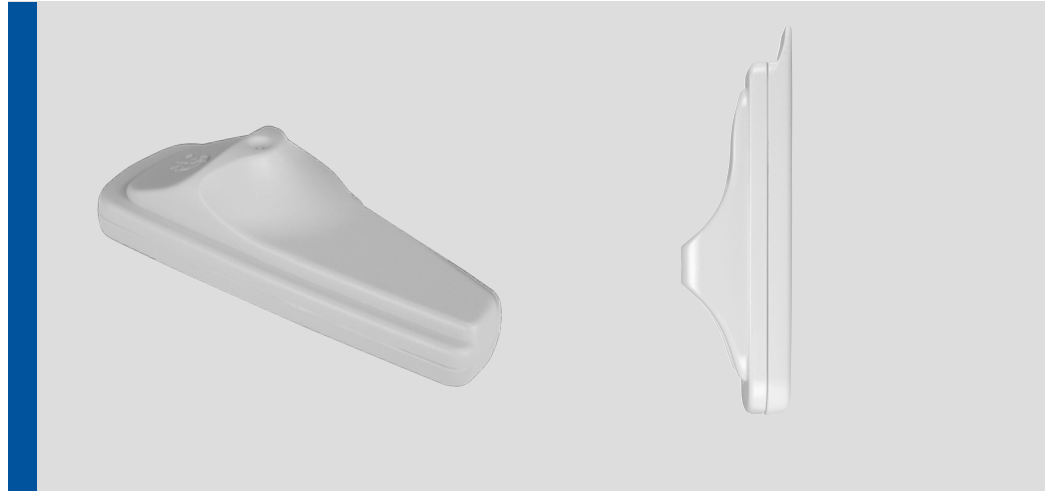
SuperTag III
This SuperTag provides top-of-the-line theft protection for everything from heavy outerwear to delicate intimate garments. The sleek shape provides a strong visual deterrent without detracting from high-end merchandise, letting retailers open merchandise with confidence.

Retailer Values
- SuperTag, the gold standard in asset protection, features a patented clamp design for superior defeat resistance
- Sleek, aesthetic design helps minimize impact to merchandise on display
- Promotes open merchandising for increased sales

Solution Application
Apparel, General Merchandise

Product Codes
- Tag (Black): ZL303-B
  Tack (Black): MJ200-B
- Tag (Gray): ZL303-G
  Tack (Gray): MJ200-G

Product Compatibility
- MJ200L-W: Long Tack
- MJVT-2: Versa Tack
- MXSTL:Lanyard-21cm (8.27in)
- MXGL: Lanyard-19cm (7.5in)
- MJ200-G: Tack
- MJ200-B: Tack
- MJVT-3B: Versa Tack
- MXVT15: Versatie

Detachers
- SuperTag Detacher
- SuperTag Manual Handheld Detacher

Detacher Type
SuperTag

Environmental Constraints
Temperature
Maximum storage temperature not to exceed 60°C (140°F) for 96 hours at 80% RH.

Humidity
Unaffected by 80% humidity at 60°C (140°F), up to 96 hours.

Specifications
Color ....Gray, Black
Length..................................69.0mm (2.72in)
Width 30.5mm (1.20in)
Depth 18.8mm (0.74in)
Weight 9.7g (0.32oz)
Pullout Force...................... 63.50kg (140lbs)

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.

SuperTag III Lanyard

This SuperTag provides top-of-the-line protection for high-risk items unable to be secured with a pin-style hard tag. The integrated lanyard cable contains a stainless-steel pin for superior defeat resistance in a light, easy-to-use format. The sleek shape does not detract from high-end products, yet provides a strong visual deterrent, letting retailers open- merchandise with confidence.

Retailer Values

- Allows application to a wider assortment of hard-to-tag, high-risk merchandise
- SuperTag, the gold standard in asset protection, features a patented clamp design for superior defeat resistance
- Sleek, aesthetic design helps minimize impact to merchandise on display

Solution Application

Shoes, Handbags, Backpacks, Luxury Apparel, Sporting Goods

Product Codes

- Tag (Gray): ZL303L-4G
- Tag (Black): ZL303L-4B

Product Compatibility

Detachers

- SuperTag Detacher
- SuperTag Manual Handheld Detacher

Detacher Type
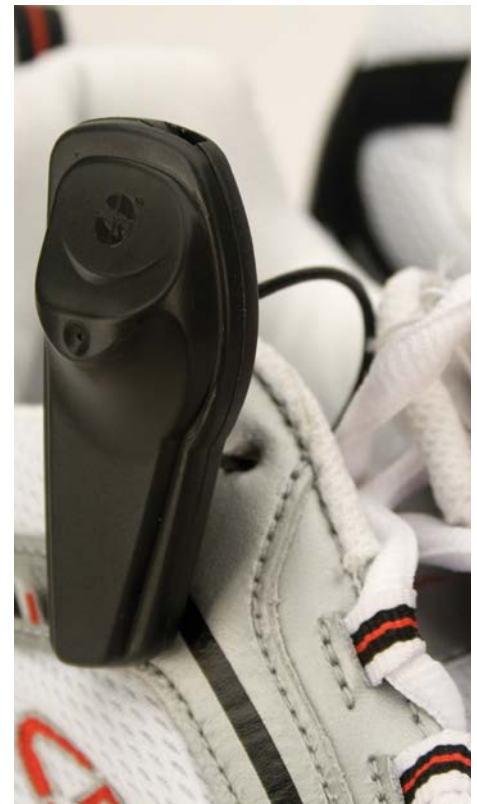
SuperTag

Environmental Constraints

Temperature
Maximum storage temperature not to exceed 60°C (140°F) for 96 hours at 80% RH.

Humidity
Unaffected by 80% humidity at 60°C (140°F), up to 96 hours.

Specifications

Color ....Gray, Black
Length 69.0mm (2.72in)
Cable Length 10.1cm (4in)
Width 30.5mm (1.20in)
Depth 18.8mm (0.74in)
Weight 11.9g (0.42oz)
(weight include stack)
Pullout Force....................... 63.50kg (140lbs)

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.

SuperTag Alarming 2-Tone Pin

Add an extra level of security to your high-value, high-risk merchandise—anywhere in the store. The alarming 2-tone SuperTag provides top-of-the-line protection for everything from heavy outerwear to delicate intimate garments. It's sleek shape does not detract from high-end items, yet provides a strong visual deterrent. The alarming feature reduces risk of theft when protected merchandise is out of staff's view. The tag will emit an audible alarm if defeat is attempted and will alarm the AM pedestal system if protected products pass through the detection zone. The tag alarm will stop once the battery is depleted or tag is reset.

Retailer Values

- 2-tone alarming feature adds an extra layer of security to high-value,high-risk merchandise
- Supertag, the gold standard in asset protection, features a patented clamp design for superior defeat resistance
- Sleek, aesthetic design helps minimize impact to merchandise on display
- Backed by a multi-year battery life warranty to reduce operational and replacement costs

Solution Application

Electronics, Leather, Luxury Goods, Handbags, Sporting Goods, Power Tools

Product Codes

- Tag: ZLAMT-3100A2P
- Tack: MJ200-B

Product Compatibility

- MXVT15: Versa Tie
- MJ200L-W: Long Tack
- MJVT-2: Versa Tack
- MJVT-3B: Versa Tack
- MXVT15: Versatie
- MXSTL: Lanyard-21cm (8.27in)
- MXGL: Lanyard-19cm (7.5in)

Detachers

- SuperTag Detacher
- SuperTag Manual Handheld Detacher

Detacher Type

SuperTag

Environmental Constraints

Temperature

Maximum storage temperature not to exceed 66°C (150°F) for 96 hours at 80% RH.

Humidity

Unaffected by 80% humidity at 66°C (150°F), up to 96 hours.

Specifications

Color ....Black
Length.................................... 88mm (3.46in)
Width 31mm (1.22in)
Depth 21mm (0.83in)
Weight 22g (0.77oz)
Pullout Force...................... 63.50kg (140lbs)

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.

SuperTag Alarming 2-Tone Lanyard

Add an extra level of security to hard-to-tag, high-value, high-risk merchandise—anywhere in the store. This alarming 2-tone SuperTag features an integrated lanyard cable with a stainless-steel pin for superior defeat resistance in an easy-to-use format. It is ideal for protecting items unable to be secured with a pin-style tag including shoes, handbags, luggage, sporting goods and more. The sleek shape does not detract from high-end items, yet provides a strong visual deterrent. The alarming feature reduces risk of theft when protected merchandise is out of staff's view. The tag will emit an audible alarm if defeat is attempted and will alarm the AM pedestal system if a protected products pass through the detection zone. The tag alarm will stop once the battery is depleted or the tag is reset.

Retailer Values
- 2-tone alarming feature adds an extra layer of security to hard-to-tag, high-value, high-risk merchandise
- SuperTag, the gold standard in asset protection, features a patented clamp design for superior defeat resistance
- Sleek, aesthetic design helps minimize impact to merchandise on display
- Promotes open merchandising for increased sales

- Backed by a multi-year battery life warranty to reduce operational and replacement costs

Solution Application
Electronics, Footwear, Leather, Luggage, Luxury Goods, Handbags, Sporting Goods, Power Tools

Product Codes
- ZLAMT-3100A2L (15cm)
- ZLAMT-3100A2L15 (152cm)

Product Compatibility
Detachers
- SuperTag Detacher
- SuperTag Manual Handheld Detacher

Detacher Type
SuperTag Detacher

Environmental Constraints
Temperature
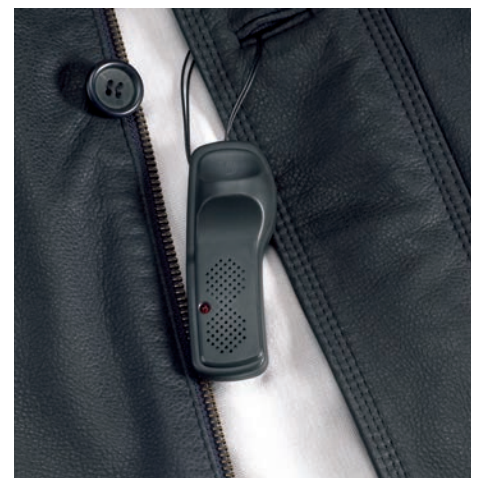Maximum storage temperature not to exceed 66°C (150°F) for 96 hours at 80% RH.

Humidity
Unaffected by 80% humidity at 66°C (150°F), up to 96 hours.

Specifications
Color ....Black
Length.................................... 88mm (3.46in)
Cable Length 15cm (6in)
                  152cm (60in)
Width 31mm (1.22in)
Depth 24mm (0.94in)
Weight 15cm: 24.9g (0.88oz)
               152cm: 39.6g (1.4oz)
Pullout Force...................... 63.50kg (140lbs)

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.

SuperTag Alarming 3-Tone Pin

Get the highest level of security for high-value, high-risk merchandise—anywhere in the store. This alarming 3-tone SuperTag provides the trusted protection of Sensormatic SuperTags with additional audible alarms. The alarming feature reduces risk of theft when protected merchandise is out of staff's view. The tag will emit an audible alarm if defeat is attempted and alarm the AM pedestal system if protected products pass through the detection zone. For additional security, the tag itself will also alarm if removed from the store. The tag alarm will stop once the battery is depleted or the tag is reset.

Retailer Values
- 3-tone alarming feature provides the highest level of security to high-value, high-risk merchandise
- SuperTag, the gold standard in asset protection, features a patented clamp design for superior defeat resistance
- Sleek, aesthetic design helps minimize impact to merchandise on display
- Backed by a multi-year battery life warranty to reduce operational and replacement costs

Solution Application
Electronics, Leather, Luxury Goods, Handbags, Sporting Goods, Power Tools

Product Codes
- Tag: ZLAMT-3100A3P
- Tack: MJ200-B

Product Compatibility
- MXVT15: Versa Tie
- MJ200L-W: Long Tack
- MJVT-2: Versa Tack
- MJVT-3B: Versa Tack
- MXVT15: Versatie
- MXSTL: Lanyard-21cm (8.27in)
- MXGL: Lanyard-19cm (7.5in)

Detachers
- SuperTag Detacher
- SuperTag Manual Handheld Detacher

Detacher Type
SuperTag

Environmental Constraints
Temperature
Maximum storage temperature not to exceed 66°C (150°F) for 96 hours at 80% RH.

Humidity
Unaffected by 80% humidity at 66°C (150°F), up to 96 hours.

Specifications
Color ....Black
Length.................................... 88mm (3.46in)
Width 31mm (1.22in)
Depth 21mm (0.83in)
Weight 22.1g (0.78oz)
Pullout Force....................... 63.50kg (140lbs)

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.

SuperTag Alarming 3-Tone Lanyard

Get the highest level of security for hard-to-tag high-value, high-risk merchandise—anywhere in the store. This alarming 3-tone lanyard SuperTag features an integrated lanyard cable with a stainless-steel pin for superior defeat resistance in an easy-to-use format.

It is ideal for protecting items unable to be secured with a pin-style tag including shoes, handbags, luggage, sporting goods and more. The sleek shape does not detract from high-end items, yet provides a strong visual deterrent. The alarming feature reduces risk of theft when protected merchandise is out of staff's view. The tag will emit an audible alarm if defeat is attempted and will alarm the AM pedestal system if protected products pass through the detection zone.

For additional security, the tag itself will also alarm if removed from the store. The tag alarm will stop once the battery is depleted or the tag is reset.

Retailer Values

- 3-tone alarming feature provides the highest level of security hard-to-tag, high-value, high-risk merchandise
- SuperTag, the gold standard in asset protection, features a patented clamp design for superior defeat resistance
- Sleek, aesthetic design helps minimize impact to merchandise on display
- Promotes open merchandising for increased sales
- Backed by a multi-year battery life warranty to reduce operational and replacement costs

Solution Application

Electronics, Footwear, Leather, Luggage, Luxury Goods, Handbags, Sporting Goods, Power Tools

Product Codes

- ZLAMT-3100A3L (15cm)
- ZLAMT-3100A3L15 (152cm)

Product Compatibility

- Detachers
- SuperTag Detacher
- SuperTag Manual Handheld Detacher

Detacher Type

SuperTag

Environmental Constraints

Temperature
Maximum storage temperature not to exceed 66°C (150°F) for 96 hours at 80% RH.

Humidity
Unaffected by 80% humidity at 66°C (150°F), up to 96 hours.

Specifications

Color ....Black
Length.................................... 88mm (3.46in)
Cable Length 15cm (6in)
152cm (60in)
Width 31mm (1.22in)
Depth 24mm (0.94in)
Weight 15cm: 26 (0.92oz)
152cm: 40.7g (1.44oz)
Pullout Force...................... 63.50kg (140lbs)

$C\epsilon$ This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.

Deactivatable SuperTag VST-R

The Deactivatable SuperTag VST-R is a Sensormatic visible source tag that is part of a low-cost-per-use recirculation program. This hard tag is applied to soft goods at the point of manufacturing to help reduce operational costs and eliminate in-store tagging labor. This tag also features a robust locking mechanism with 80lbs of pull-out force.

Retailer Values

- SuperTag, the gold standard in asset protection, features a patented clamp design for superior defeat resistance
- Merchandise arrives sales-floor ready for immediate product availability
- Reduces lost sales and eliminates labor costs associated within-store tagging, allowing store associates to better serve customers
- Improves tagging compliance with tagging at the point of manufacturing
- Substantiates/endorses green initiatives by reducing waste through recycling used tags for reapplication

Solution Application

Apparel, General Merchandise

Product Codes

- Tag: ZLAMT7200R-B
- Metal Tack: MJ70-H

Product Compatibility

Detachers

- SuperTag Detacher
- SuperTag Manual Handheld Detacher

Detacher Type

SuperTag

Environmental Constraints

Temperature

Maximum storage temperature not to exceed 60°C (140°F) for 96 hours at 80% RH.

Humidity

Unaffected by 80% humidity at 60°C (140°F), up to 96 hours.

Materials of Construction

Tag Housing

High-Impact ABS

Label Housing

Low Density Polyethylene/Polyester/Polyethylene 0.127mm (0.0050in)

Tack

ABS Tack Head/Stainless-Steel Pin

Specifications

Color .... Charcoal
Length.................................... 62mm (2.44in)
Width 31mm (1.22in)
Depth 19mm (0.75in)
Weight with Tack 8.67g (0.306oz)
Pullout Force........................ 36.29kg (80lbs)

Order multiple

Tag 1,000
Tack 1,000

Carton Weight

Tag 7.5kg (16.5lbs)
Tack 1.17kg (2.57lbs)

Ext. Carton Dims.

Tag .... 368 x 368 x 268mm
(14.5 x 14.5 x 10.6in)
Tack .... 140 x 75 x 75mm
(5.5 x 3 x 3in)

Ext. Carton Vol

Tag 0.0363m3 (1.28ft3)
Tack 0.0008m3 (0.028ft3)
Cartons Per Pallet .... Tag: 42

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.

Non-Deactivatable SuperTag VST-R

The Non-Deactivatable SuperTag VST-R is a Sensormatic visible source tag that is part of a low-cost-per-use recirculation program. This hard tag is applied to soft goods at the point of manufacturing to help reduce operational costs and eliminate in-store tagging labor. This tag also features a robust locking mechanism with 80lbs of pull-out force.

Retailer Values

· Merchandise arrives sales-floor ready for immediate product availability
· Reduces lost sales and eliminates labor costs associated within-store tagging, allowing store associates to better serve customers
· Improves tagging compliance with tagging at the point of manufacturing
· Substantiates/endorses green initiatives by reducing waste through recycling used tags for reapplication

Solution Application

Apparel, General Merchandise

Product Codes

· Tag: ZLAMT7100R-G,
· Metal TacK: MJ70-H

Product Compatibility

Detachers

· SuperTag Detacher
· SuperTag Manual Handheld Detacher

Detacher Type

SuperTag

Environmental Constraints

Temperature

Maximum storage temperature not to exceed 60°C (140°F) for 96 hours at 80% RH.

Humidity

Unaffected by 80% humidity at 60°C (140°F), up to 96 hours.

Materials of Construction

Tag Housing

High-Impact ABS

Label Housing

Low Density Polyethylene/Polyester/Polyethylene 0.127mm (0.0050in)

Tack

ABS Tack Head/Stainless-Steel Pin

Specifications

Color ....Gray
Length.................................... 62mm (2.44in)
Width 31mm (1.22in)
Depth 19mm (0.75in)
Weight withTack 8.67g (0.306oz)
Pullout Force......................... 36.29kg (80lbs)

Order multiple

Tag 1,000
Tack 1,000

Carton Weight

Tag 7.5kg (16.5lbs)
Tack 1.17kg (2.57lbs)

Ext. Carton Dims

Tag .... 368 x 368 x 268mm
(14.5 x 14.5 x 10.6in)
Tack .... 140 x 75 x 75mm
(5.5x 3 x 3in)

Ext. Carton Vol

Tag 0.0363m3 (1.28ft3)
Tack 0.0008m3 (0.028ft3)

Cartons Per Pallet

Tag 42

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.

MVST-R Tag

The Magnetic VST-R is a visible source tag that is part of a low-cost-per-use recirculation program. This hard tag is applied to soft goods at the point of manufacturing to help reduce operational costs and eliminate in-store tagging labor. This multi-use tag also features a robust locking mechanism with 106lbs of pull-out force.

Retailer Values

- Merchandise arrives sales-floor ready for immediate product availability
- Reduces lost sales and eliminates labor costs associated within-store tagging, allowing store associates to better serve customers
- Improves tagging compliance with tagging at the point of manufacturing
- Easy application and removal to help improve store operations
- Fulfills green initiatives by reducing waste through recycling used tags for reapplication

Solution Application

Apparel, General Merchandise

Product Codes

- New Tag: ZLAMT7400
- New Tack: MJ7400 (Gray)
- Re-Circulated Tag: ZLAMT7400R
- Re-Circulated Tack: MJ7400R (Gray)

Product Compatibility

Detachers

- Magnetic 9kG Detachers
- Magnetic 5kG Detachers
- Universal Magnetic Detacher

Detacher Type

Magnetic

Environmental Constraints

Temperature

Maximum storage temperature not to exceed 60°C (140° F) for 96 hours at 80% RH.

Humidity

Unaffected by 80% humidity at 60°C (140°F), up to 96 hours.

Materials of Construction

Tag Housing

High-Impact ABS

Tack

Nylon/Stainless-Steel Pin

Specifications

Color ....Gray
Length 56mm (2.2in)
Width 16mm (0.65in)
Depth 18mm (0.71in)

Weight

Tag 7.12g (0.251oz)
Tack 0.57g (0.020oz)
Pullout Force...................... 45.36kg (100lbs)
Lock Magnetic Strength 5kG

Order Multiple

Tag 1,000
Tack 1,000

Carton Weight

Tag 7.8kg (17.16lbs)
Tack 0.68kg (1.50lbs)

Ext. Carton Dims

Tag .... 370 x 370 x 155mm
(14.56 x 14.56 x 6.1in)
Tack .... 175 x 110 x 100mm
(6.09 x 4.3 x 3.94in)

Ext. Carton Vol.

Tag 0.0212m3 (0.75ft3)
Tack 0.0019m3 (0.068ft3)

Cartons Per Pallet

Tag ....Atlanta DC: No Pallet

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.

Ultra-GatorTag

This all-purpose hard tag is a highly visible shoplifting deterrent. The traditional lock design provides moderate defeat resistance for a wide range of merchandise. It can be attached via tack, lanyard, Versatie or VersaTack.

Retailer Values

- Standard EAS asset protection at an ffordable price
- Lightweight design ideal for protecting small or sensitive merchandise
- Promotes open merchandising for increased sales

Solution Application

Apparel, General Merchandise

Product Codes

- Tag: ZL92BXP
- Tack: MJ25-2P
- Tack: MJ31L-W
  (long tack use with thick apparel only)

Product Compatibility

- MXVT15: Versatie
- MJVT-2: Versa Tack
- MJVT-3B: Versa Tack
- MXGL: Lanyard-19cm (7.5in)

Detachers

- Power: Ultra-Gator Detacher
- Handheld: Ultra-Gator Manual
- Handheld Detacher

Detacher Type

Ultra-Gator

Environmental Constraints

Temperature

Maximum storage temperature not to exceed 60°C (140° F) for 96 hours at 80% RH.

Humidity

Unaffected by 80% humidity at 60°C (140°F), up to 96 hours.

Specifications

Color .... Tan
Length 95mm (3.7in)
Width 29mm (1.1in)
Depth 16.4mm (0.25in)
Weight 13.2g (0.46oz)
Pullout Force 54.43kg (120lbs)

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.

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SuperTag AM/RFID HardTag
This hard tag features a highly sensitive Radio Frequency Identification (RFID) inlay for item-level inventory visibility and an AM EAS element for asset protection. The RFID component stores information specific to the protected merchandise for near real-time merchandise visibility. Source tagging is available so retailers can receive floor-ready merchandise with consistent tag placement—expediting receiving and selling floor fulfillment.

Retailer Values
- Enables near real-time merchandise visibility
- RFID element offers an efficient way to track inventory, while the AM EAS element provides product protection
- Tagging at the point of manufacturing (source tagging) helps improve tag compliance and ensures consistent application
- Source tagged merchandise arrives floor-ready, enabling faster speed to sales floor

Solution Application
General Merchandise, Department Stores, Specialty Apparel

Product Codes
- New Dual Tag
  IDTM2200 - Medium Gray
- Re-Circulated Dual Tag
  IDTM2200R - Medium Gray
- In-Store Use
  IDTM2200N - Light Gray
- Tack: MJ2011B

Product Compatibility
Detachers
- AM/RFID Detachers:
- AM/RFID SuperTag Detacher
- For AM Detaching Only:
- SuperTag Detacher
- For AM Hand-Held Detaching Only:
- SuperTag Manual Handheld Detacher

Detacher Type
SuperTag

Environmental Constraints
Temperature
Maximum storage temperature not to exceed 60°C (140°F) for 96 hours at 80% RH.

Humidity
Unaffected by 80% humidity at 60°C (140°F), up to 96 hours

Materials of Construction
Tag Housing
High-Impact ABS

Label Housing
Low Density Polyethylene/Polyester/Polyethylene 0.127mm (0.0050in)

RFID inlay
Copper, Mylar, Silicon

Tack
ABS Tack Head/Stainless-Steel Pin

Specifications

Color .... Charcoal Gray
Length 61mm (2.4in)
Width 30.5mm (1.2in)
Depth 24.6mm (0.97in)
Weight 8.8g (0.31oz)
Pullout Force 36.29kg (80lbs)
EPC Memory .... 96 bits up to 128bits
 Operating Frequencies 860-928MHz

Order multiple

Tag 1,000
Tack 1,000

Carton Weight

Tag 8.48kg (18.72lbs)
Tack 1.17kg (2.57lbs)

Ext. Carton Dims

Tag 476 x 292 x 219mm (18.75 x 11.5 x 8.6in)
Tack .... 140 x 75 x 75mm
(5.5 x 3 x 3in)

Ext. Carton Vol

Tag 0.031m3 (1.07ft3)
Tack 0.0008m3 (0.028ft3)

Cartons Per Pallet

Tag
Atlanta DC 32
Echt DC 48

CE This product is in conformity with RoHS
Directive 2011/65/EU, 2015/863/EU and REACH
regulation as defined in EC No 1907/2006 and
subsequent amendments.
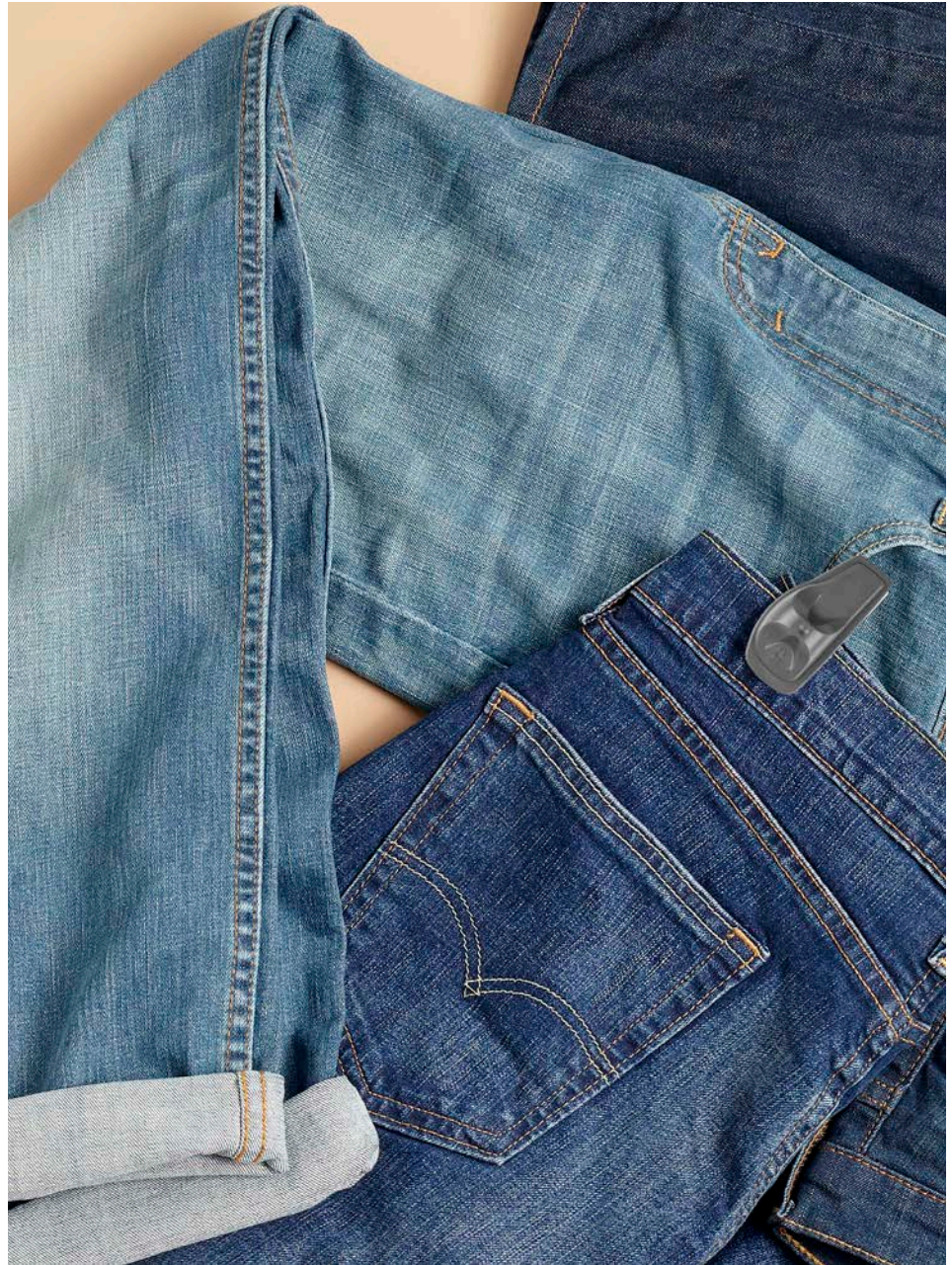
IDTM2220
IDTM2220R

IDTM2225
IDTM2225R

Magnetic AM/RFID Tag

The Magnetic AM/RFID hard tag features a highly sensitive Radio Frequency Identification (RFID) inlay for item-level visibility and inventory management, and an AM EAS element for asset protection. The RFID component stores information specific to the protected merchandise for item-level and near real-time merchandise visibility. Source Tagging is available so retailers can receive floor-ready merchandise with consistent tag placement – expediting receiving and selling floor fulfillment.

Retailer Values

· Enables near real-time merchandise visibility and improves inventory accuracy
· RFID element offers an efficient way to track inventory, while the AMEAS element protects products from theft
· Tagging at the point of manufacturing (Source Tagging) helps improve tag compliance
· Source tagged merchandise arrives floor-ready, enabling faster speed to sales floor

Solution Application

Apparel, General Merchandise

Product Codes

· 9kG New Tag: IDTM2220 (Medium Gray)
· 9kG Recirculated Tag: IDTM2220R (Medium Gray)
· 9kG In-Store Use Tag: IDTM2220N (Light Gray)
· 5kG New Tag: IDTM2225 (Charcoal)
· 5kG Recirculated Tag: IDTM2225R (Charcoal)
· 5kG In-Store Use Tag: IDTM2225N (Light Gray)

Tacks:

· MJ200-MG
  (use with IDTM2220, IDTM2220R)
· MJ200-G
  (use with IDTM2220N, IDTM2225N)
· MJ200-B
  (use with IDTM2225, IDTM2225R)

Product Compatibility

Detachers
· Sensormatic Magnetic 9kG Detachers
· Sensormatic Magnetic 5kG Detachers

Readers
Sensormatic Multipurpose RFID Readers

Detacher Type

Magnetic

Environmental Constraints

Temperature
Maximum storage temperature not to exceed 60°C (140°F) for 96 hours at 80% RH.

Humidity
Unaffected by 80% humidity at 60°C (140°F), up to 96 hours.

Materials of Construction

Tag Housing
High-Impact ABS

Label Housing
Low Density Polyethylene/Polyester/Polyethylene 0.127mm (0.0050in)

RFID Inlay
Aluminum, Mylar, Silicon

Tack
ABS Tack Head with Stainless-Steel Pin

Specifications

Color

9kG.........................Medium Gray, Light Gray
5kG................................ Charcoal, Light Gray
Length................................... 61.0mm (2.4in)
Width 30.5mm (1.20in)
Depth 19.9mm (0.78in)
Weight with Tack 8.8g (0.019lbs)
Pullout Force..........................56.8kg (125lbs)
EPC Memory ....96 bits up to 128bits
 Operating Frequencies.............860-960MHz
 Lock Magnetic Strength...................9kG,5kG

Carton Weight

IDTM2220, IDTM2220R, IDTM2225,
IDTM2225R..........................9.65kg (21.23lbs)

IDTM2220N,
IDTM2225N............................10.00kg (22lbs)

Tack 5.82kg (12.80lbs) (5000/box)

Ext. Carton Dims.

Tag ....370 x 370 x 280mm
(14.57 x 14.57 x 3.15in)

Tack: .... 370 x 370 x 195mm
(14.57 x 14.57 x 7.68in)

Cartons per Pallet Tag

Atlanta DC... 32
Echt DC 48

IDTM2225 5kG
New Tag Charcoal

IDTM2220 9kG
New Tag Medium Gray

IDTM2225N 5kG
In-Store Use Tag Light Gray

IDTM2220N 9kG
In-Store Use Tag Light Gray

IDTM2220 9kG
In-Store Use Tag marked
with S on top of tag
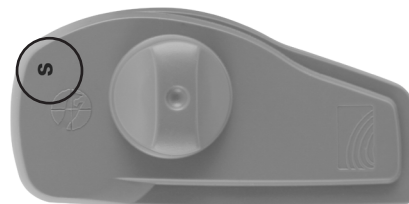
CE This product is in conformity with RoHS
Directive 2011/65/EU, 2015/863/EU and REACH
regulation as defined in EC No 1907/2006 and
subsequent amendments.

Magnetic AM/RFID 2D Barcode Tag

This Magnetic AM/RFID 2D hard tag combines trusted EAS protection with the item-level visibility and inventory manage-ment only RFID can provide. The tag's RFID component stores item-specific information directly on the tag – delivering near real-time item-level visibility while the AM EAS component delivers asset protection.

This durable tag features a laser-etched 2D barcode that allows retailers to program item-specific information directly onto the tag using a compatible mobile reader. The barcode is especially helpful when a swing ticket is missing from tagged merchandise, allowing store associates to quickly scan and retrieve point-of-sale (POS) data necessary to complete the checkout process.

With this tag retailers can continue using non-RFID barcode readers at POS to process transactions. This hard tag is intended for in-store application.

Retailer Values

- RFID component offers an efficient way to track inventory, while AM EAS component protects products from theft
- Item-specific information can be programmed directly on tag with compatible mobile reader, without investing in additional RFID hardware and infrastructure
- RFID element enables near real-time merchandise visibility and improves inventory accuracy
- Supports global frequencies and provides reliable RFID performance

Solution Application

Apparel, General Merchandise

Product Codes

- 9kG – IDTM2220N2D (Numeric)
- 5kG – IDTM2225N2D (Numeric)

Tack

MJ200-G

Product Compatibility

Detachers

- Magnetic 9kGDetacher
- Universal Magnetic Detacher
- Magnetic 5kG Detacher

Readers

Multipurpose RFID Reader
Compatible to industry EPC Gen2 Reader

Detacher Type

Magnetic

Environmental Constraints

Temperature
Maximum storage temperature not to exceed 60°C (140°F) for 96 hours at 80% RH

Humidity
Unaffected by 80% humidity at 60°C (140°F), up to 96 hours

Materials of Construction

Tag Housing
High-Impact ABS

Label Housing
Low Density Polyethylene/Polyester/Poly-ethylene 0.127mm (0.0050in)

RFID Inlay
Aluminum, Mylar, Silicon

Tack
ABS Tack Head/Stainless-Steel Pin

Specifications

Color ....Light Gray
Length................................... 61.0mm (2.4in)
Width 30.5mm (1.20in)
Depth 19.9mm (0.78in)
Weight with Tack 8.8g (0.019lbs)
EPC Memory ....96bits up to 128bits

Operating

RFID Frequencies 860–928MHz
Pullout Force..........................56.8kg (125lbs)
 Lock Magnetic Strength...................5kG,9kG

Order multiple

Tag 1,000
Tack 5,000

Carton Weight

Tags 10kg (22lbs)
Tack ....5.82kg (12.80lbs)(5,000/box)

Ext. Carton Dims.

Tag ....370 x 370 x 280mm
(14.57 x 14.57 x 3.15in)
Tack .... 370 x 370 x 195mm
(14.57 x 14.57 x 7.68in)

Cartons Per Pallet

Tag

Atlanta DC.. 32
Echt DC 48

CE This product is in conformity with RoHS
Directive 2011/65/EU, 2015/863/EU and REACH
regulation as defined in EC No 1907/2006 and
subsequent amendments.

IDTM2225N2D – 5kG

DTM2220N2D – 9kG

In-Store use tag marked with S on top of tag.

NOTE: IDTM2220N2D – 9kG –
In-Store Use Tag marked with **S** on
top of tag.
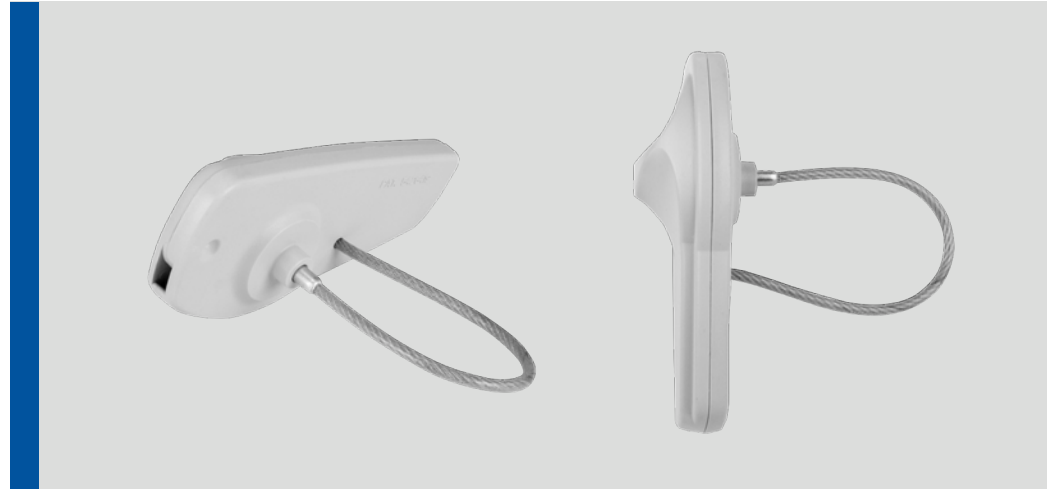
SuperTag AM/RFID 2D Barcode Lanyard

This AM/RFID lanyard hard tag, part of the Sensormatic SuperTag family, combines trusted EAS protection with the inventory visibility only RFID can provide. This dual-technology hard tag features a highly-sensitive RFID inlay that allows item-specific information to be programmed directly on the tag — delivering near real-time visibility and protection simultaneously. For retailers without RFID capabilities, this durable tag features a laser-etched 2D barcode that allows retailers to program item-specific information directly onto the tag using a compatible mobile reader. This barcode is especially helpful when a swing ticket is missing from tagged merchandise because it allows store associates to quickly scan and retrieve point-of-sale (POS) data necessary to reprint the ticket and complete the checkout process.

This SuperTag provides top-of-the-line protection for high-risk items unable to be secured with a pin-style hard tag. The integrated For retailers without RFID capa-

bilities, this durable tag features a pin offer superior defeat resistance in a light, easy-to-use format ideal for footwear, handbags and other high-risk merchandise. With this tag, retailers can continue using legacy AM readers at points-of-sale to process transactions without investing in additional RFID hardware and infrastructure. This hard tag is intended for in-store application.

Retailer Values

- Use a compatible mobile reader to program item-specific data directly on the tag without investing in RFID hardware and infrastructure
- Offers an efficient way to track inventory while using AM EAS to protect items from theft
- Allows application to a wider assortment of hard-to-tag,high-risk merchandise
- Minimizes impact to merchandise on display for a sleek, aesthetic design
- Helps enable near real-time visibility and improves inventory accuracy with built-in RFID element
- Supports global frequencies and reliable RFID performance

Solution Application
Shoes, handbags, sporting goods, accessories and luxury apparel

Product Codes
IDTM3030L4N2D
(this tag is strictly "made to order")
(Pin included with the lanyard)

Product Compatibility
SuperTag Detacher
SuperTag Detacher Platform

Detacher Type
SuperTag

Environmental Constraints
Temperature
Maximum storage temperature
-30°C to 60°C (-22°F to 140°F)

Humidity
Unaffected by 85% humidity at 30°C (-22°F)

Operating Temperature
-10°C to 50°C (14°F to 122°F)

Materials of Construction

Tag Housing
High-Impact ABS

Label Housing
Low Density Polyethylene/Polyester/
Polyethylene 0.127mm (0.0050in)

RFID Inlay
Mylar,Silicon

Lanyard
Stainless-Steel Cable
with Stainless-Steel Pin

Specifications

2D Barcode Format ....Data Matrix
Barcode Size 10 x10mm
Color ....Light Gray
Length..................................60.1mm (2.36in)
Width 28.5mm (1.12in)
Depth 24.6mm (0.97in)
Lanyard Length 9cm (3.5in)

Weight with Lanyard 11.9g (0.42oz)
Pullout Force 36.29kg (80lbs)

EPC Memory ....96 bits up to 128 bits

Operating Frequencies 860-928MHz
Order Multiple................................. Tag: 100

U.S. and Internationally
Patent Pending

Carton Weight.......................1.19kg (2.62lbs)

Ext. Carton Dimensions
Tag................................. 240 x 175 x 175mm
(9.45 x 6.89 x 6.89in)

Cartons per Pallet
Tag... 95 ct/pallet

CE This product is in conformity with RoHS
Directive 2011/65/EU, 2015/863/EU and REACH
regulation as defined in EC No 1907/2006 and
subsequent amendments.
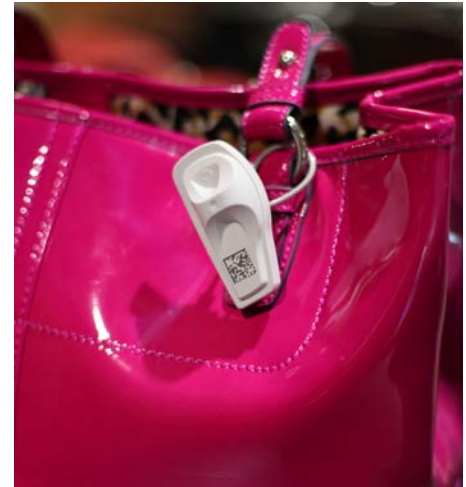
Magnetic Versatile Tag

The Magnetic Versatile hard tag features a defeat-resistant design with interchangeable tack and lanyard components to deliver a flexible, one-tag solution. This acousto-magnetic (AM) hard tag allows use of a tack or lanyard for a variety of applications. This unobtrusive, visible deterrent is ideal for protecting everything from heavy denim and apparel with the tack solution to merchandise such as shoes, handbags and sporting goods with the lanyard option.

Retailer Values

- Choice of tack or lanyard allows application to wide variety of products
- Small aesthetic design does not interfere with shopper experience or brand promotion
- Promotes open merchandising for increased sales

Suggested Solution Application

Apparel, Outerwear, Denim, Sportswear, Shoes, Luggage, Sporting Goods, Watches

Product Codes

Tag
- ZLAMT6021-5 (5kG)
- ZLAMT6021-9 (9kG)

Tack
- MJ6021-P MJ6021-S

Lanyard
- MX6021L-3 (76.2mm (3in))
- MX6021L-6 (152mm (6in))
- MX6021L-9 (228.6mm (9in))
- MX6021L-12 (304.8mm (12in))
- MX6021L-15 (381mm (15in))
- MX6021L-48 (1.21m (48in))
- MX6021L-60 (1.52m (60in))

Product Compatibility

Detachers
- Magnetic 9kG Detachers
- Magnetic 5kG Detachers
- Universal Magnetic Detacher

Detacher Type

Magnetic

Environmental Constraints

Temperature
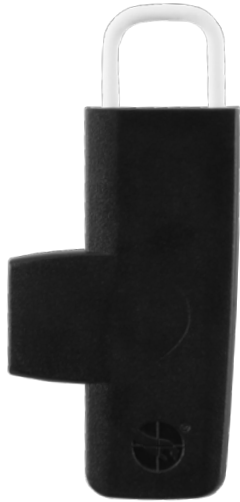Storage temperature range:
0-40°C (32-104°F)

Humidity
Unaffected by 20-85% humidity

Specifications

Color ....Gray
Length....................................45mm (1.77in)
Width 19mm (0.748in)
Depth 12mm (0.472in)
Weight 7.5g (0.264oz)
Pullout Force.......................≥ 45kg (99.2lbs)
Lock Magnetic Strength 5kG, 9kG

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.

Magnetic Accessory Tag

This hard tag provides versatile protection for jewelry, optical and small accessories. Four distinct clasp lengths and a 360-degree pivot provide a variety of application opportunities, helping protect more items without affecting aesthetics. The coated stainless steel clasp prevents abrasion and won't rust, stain or damage merchandise.

Retailer Values

- Flexible application to a wide variety of jewelry, optical and small accessories
- Will not rust, stain or damage merchandise
- Promotes open merchandising for increased sales

Solution Application

Belts, Handbags, Watches, Jewelry, Optical

Product Codes

- ZLAMT3210-B (Black)
- ZLAMT3210-G (Gray)

Product Compatibility

Detachers

- Magnetic 9kG Detachers
- Magnetic 5kG Detachers
- Universal Magnetic Detacher

Detacher Type

Magnetic

Environmental Constraints

Temperature
Maximum storage temperature not to exceed 60°C (140° F) for 96 hours at 80% RH.

Humidity
Unaffected by 80% humidity at 60°C (140°F), up to 96 hours.

Specifications

Color ....Gray, Black
Length.................................46.6mm (1.83in)
Width 18.5mm (0.73in)
Depth 6.0mm (0.24in)
Weight 5.9g (0.21oz)
Pullout Force...................... 45.35kg (100lbs)
Lock Magnetic Strength 5kG

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.

Magnetic Optical Tag

This optical tag offers maximum protection for eyewear without impacting the shopper experience. The tag is placed on the side arm of eyewear with the tag body on the outside, allowing customers to try on glasses without interference. Available in both AM and RF technology.

Retailer Values

- Protects eyewear without impacting the shopper "try-on" experience
- Small footprint minimizes impact to displayed merchandise
- Promotes open merchandising for increased sales
- Maximum security for high-theft eyewear

Solution Application

Optical, Sunglasses, Sporting Goods

Product Codes

AM Technology:

- ZLAMT6008-5 (5kG, Black)
- ZLAMT6008-9 (9kG, Black)
- ZLAMT6008W-5 (5kG, White)
- ZLAMT6008W-9 (9kG, White)

RF Technology:

- RFT6008-5 (5kG, Black)
- RFT6008-9 (9kG, Black)

Product Compatibility

Detachers

- Magnetic 9kG Detachers
- Magnetic 5kG Detachers
- Universal Magnetic Detacher

Detacher Type

Magnetic

Environmental Constraints

Temperature

Maximum storage temperature not to exceed 60°C (140°F) for 96 hours at 80% RH.

Humidity

Unaffected by 80% humidity at 60°C (140°F), up to 96 hours

Specifications

Color	White, Black
Length	50mm (1.97in)
Width	25mm (0.98in)
Depth	20mm (0.79in)
Weight	8.5g (0.30oz)
Pullout Force	>45kg (99lbs)
Lock Magnetic Strength	5kG, 9kG

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.
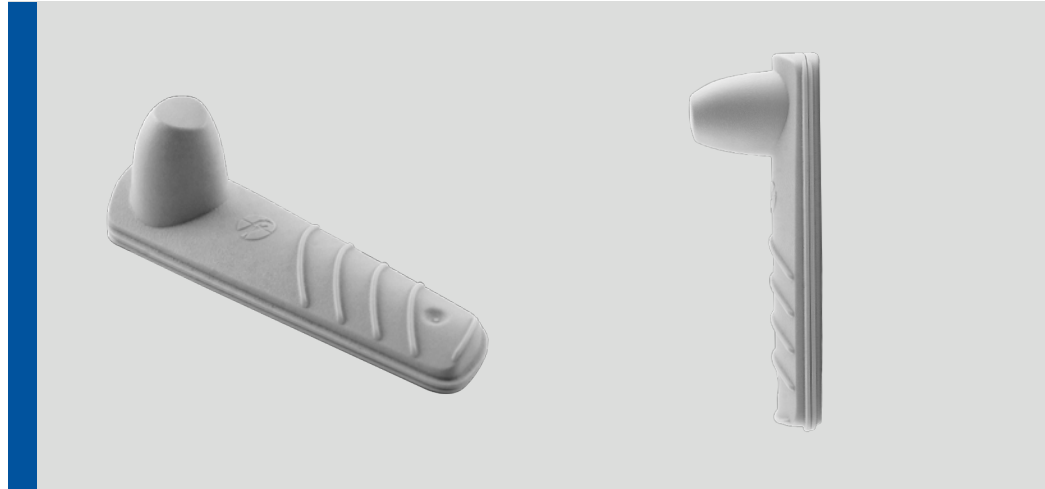
Magnetic 5kG Tack Tag

This hard tag provides application versatility for garments and most soft goods. Highly resistant to theft, this tag withstands slamming, crushing, bending and pulling defeat efforts. It is compatible with the Sensor-Ink Mini tag.

Product Features

- A versatile solution for garments and soft goods
- Tag is resistant to slamming, crushing, bending and pulling defeat efforts
- Promotes open merchandising for increased sales

Solution Application

Specialty Apparel, General Merchandise, Sporting Goods, DIY

Product Code

ZLAMT42-G

Product Compatibility

- MJAMT3200-G
- MJAMT3200-S
- MJAMT3200-B
- MJ31L-W

Detachers

- Magnetic 5kG Detachers
- Universal Magnetic Detacher

Detacher Type

Magnetic

Environmental Constraints

Temperature
Maximum storage temperature not to exceed 60°C (140°F) for 96 hours at 80% RH.

Humidity
Unaffected by 80% humidity at 60°C (140°F), up to 96 hours.

Specifications

Color	Gray
Length	60.54mm (2.38in)
Width	18.84mm (0.74in)
Depth	20.49mm (0.81in)
Weight	6.4g (0.23oz)
Pullout Force	>45.4kg (100lbs)
Lock Magnetic Strength	5kG

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.
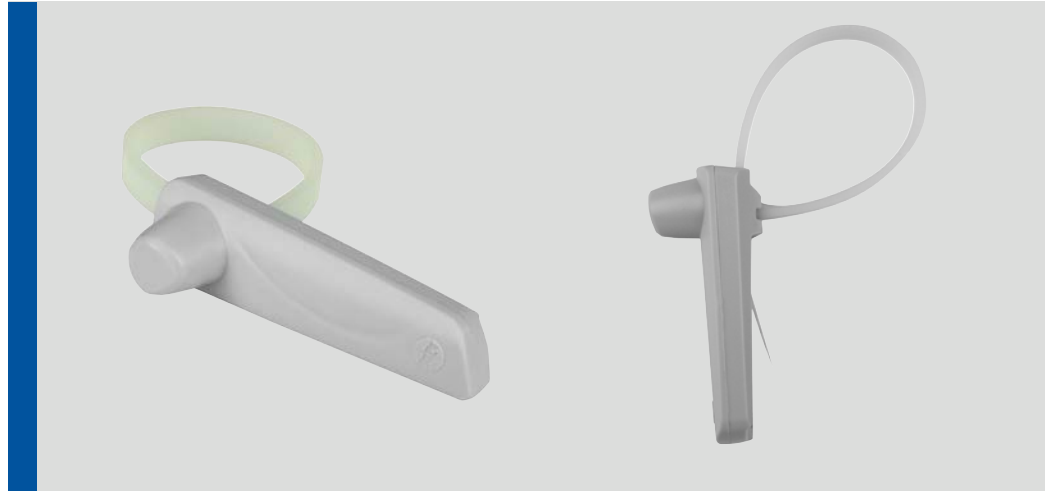
Magnetic 5kG Lanyard

This non-deactivatable hard tag features a sleek, lightweight design to minimize theft while preserving aesthetics. The small footprint and four-inch cable permits attachment to a wide variety of merchandise. With proven high-performance AM technology, this defeat-resistant tag is compatible with the Sensormatic suite of detachers.

Retailer Values

· Small footprint and cable allow secure attachment to a wide variety of merchandise
· Promotes open merchandising for increased sales

Solution Application

Belts, Shoes, Handbags, Watches, etc.

Product Codes

· ZLAMT3200L-G (Steel Lanyard; 100mm)
· ZLAMT3200PL-G (Plastic Lanyard; 155mm)

Product Compatibility

Detachers
· Magnetic 5kG Detacher
· Universal Magnetic Detacher

Detacher Type

Magnetic

Environmental Constraints

Temperature
Maximum storage temperature not to exceed 60°C (140° F) for 96 hours at 80% RH.

Humidity
Unaffected by 80% humidity at 60°C (140°F), up to 96 hours.

Specifications

Color ....Gray
Length....................................59.7mm (2.3in)
Cable Length 100mm (4in)
Width 19.5mm (0.76in)
Depth 17.3mm (0.68in)
Weight 6.4g (0.23oz)
Pullout Force........................45.4kg (100lbs)
Lock Magnetic Strength 5kG

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.

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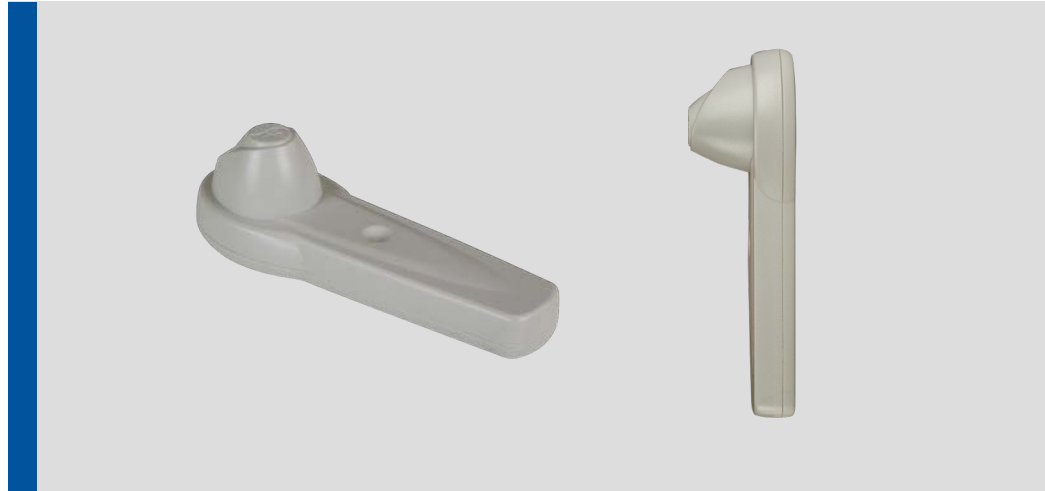
Magnetic 9kG Tack Tag

This hard tag is designed to protect everything from heavy denim to the lightest intimate apparel. The high- strength magnetic clamp prevents removal using common magnets by would-be shoplifters. The highly aesthetic design minimizes impact to merchandise on display.

Retailer Values

- Multi-purpose tag protects several merchandise categories
- High magnetic strength for superior protection
- Promotes open merchandising for increased sales

Solution Application

Apparel, Delicates, Accessories

Product Codes

- Tag: ZL400A-G (Gray)
- Tag: ZL400A-B (Black)
- Tack: MJ400-G (Gray)
- Tack: MJ400-B (Black)
- Tack: MJ31L-W (Long Tack)

Product Compatibility

Detachers
- Magnetic 9kG Detachers
- Universal Magnetic Detacher

Detacher Type

Magnetic

Environmental Constraints

Temperature

Maximum storage temperature not to exceed 60°C (140° F) for 96 hours at 80% RH.

Humidity

Unaffected by 80% humidity at 60°C (140°F), up to 96 hours.

Specifications

Color ....Gray, Black
Length................................. 60.8mm (2.4in)
Width 21.47mm (0.85in)
Depth 18.0mm (0.71in)
Weight 5.4g (0.19oz)
Pullout Force...................... 63.50kg (140lbs)
Lock Magnetic Strength 9kG

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.

Magnetic 9kG Steel Lanyard

This one-piece, hard tag has a four-inch multi-strand stainless-steel cable to protect high-theft footwear, handbags and high-end apparel. The flexible lanyard cable combined with a sleek, discreet look makes this tag a reliable solution for merchandise of all shapes and sizes.

Retailer Values

- Flexible lanyard attaches to merchandise of all shapes and sizes
- High magnetic strength for superior protection
- Protects several merchandise categories
- Promotes open merchandising for increased sales

Solution Application

Shoes, Handbags, Belts, Apparel

Product Codes

ZL400AL-4G ZL400AL-4B

Product Compatibility

Detachers

- Magnetic 9kG Detachers
- Universal Magnetic Detacher

Detacher Type

Magnetic

Environmental Constraints

Temperature

Maximum storage temperature not to exceed 60°C (140° F) for 96 hours at 80% RH.

Humidity

Unaffected by 80% humidity at 60°C (140°F), up to 96 hours.

Specifications

Color ....Gray,Black
Length.................................. 60.8mm (2.4in)
Cable Length 100mm (4in)
Width 21.47mm (0.85in)
Depth 18.0mm (0.71in)
Weight 7g (0.24oz)
Pullout Force........................ 63.5kg (140lbs)
Lock Magnetic Strength 9kG

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.
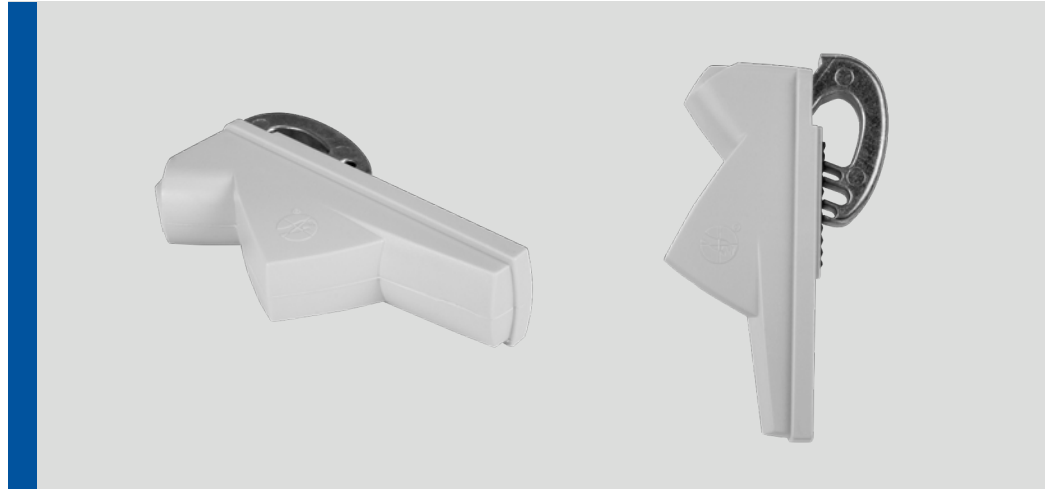
Magnetic 9kG Pinless Tag

This pinless, hard tag with adjustable clip provides exceptional protection for a variety of apparel and sporting goods. A versatile, one-piece solution, this tag attaches securely without damaging merchandise.

Retailer Values

- Adjustable spring-loaded metal clip for secure attachment without damaging merchandise
- Robust ABS plastic housing combined with a fortified metal clip keeps merchandise secure
- Small size provides the ideal visual deterrent without interfering with the shopper experience
- High magnetic strength for superior protection

Solution Application

Department Store, Specialty Apparel, Discount, General Merchandise, Sporting Goods, DIY

Product Codes

ZLAMT4100P-G

Product Compatibility

Detachers

- Magnetic 9kG Detachers
- Universal Magnetic Detacher

Detacher Type

Magnetic

Environmental Constraints

Temperature

Maximum storage temperature not to exceed 60°C (140° F) for 96 hours at 80% RH.

Humidity

Unaffected by 80% humidity at 60°C (140°F), up to 96 hours.

Specifications

Color ....Gray

Length

Closed position 63.5mm (2.5in)
Open position 76.0mm (3.0in)

Depth 14.5mm (0.57in)
Weight 23.8g (0.83oz)
Pullout Force....................... 45.35kg (100lbs)
Lock Magnetic Strength 9kG

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.

Magnetic 9kG- Multi-Purpose Tag

This multi-purpose hard tag secures products ranging from bottled wines and spirits to sporting goods and apparel. Featuring a multi-strand steel cable and nylon clamp, this versatile solution provides superior protection while minimizing impact on product merchandising.

Retailer Values

· Multi-purpose tag secures hard goods, soft goods and everything in between
· High magnetic strength for superior protection
· Promotes open merchandising for increased sales

Solution Application

Bottled Wines, Spirits, Sporting Goods, Luggage, Power Tools

Product Codes

ZL410B-G

Product Compatibility

Detachers
· Magnetic 9kG Detachers
· Universal Magnetic Detacher

Detacher Type

Magnetic

Environmental Constraints

Temperature
Maximum storage temperature not to exceed 60°C (140° F) for 96 hours at 80% RH.

Humidity
Unaffected by 80% humidity at 60°C (140°F), up to 96 hours.

Specifications

Color ....Gray
Length.................................... 54mm (2.1in)
Width 13mm (0.51in)
Weight 9g (0.31oz)
Pullout Force........................40.82kg (90lbs)
Lock Magnetic Strength 9kG

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.

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Magnetic Mini Alarming 2-ToneLanyard

The 2-Tone Mini Alarming Tag provides audible anti-theft protection for merchandise that cannot be protected with a pin-style tag. The integrated lanyard cable with a stainless-steel pin provides superior defeat resistance for items such as shoes, handbags, luggage and sporting goods. Its small size does not detract from high-end items, yet provides a strong visual deterrent. The alarming feature reduces risk of theft when protected merchandise is out of staff's view. Available with AM or RF technology, the tag will emit an audible alarm if defeat is attempted and will alarm the AM or RF pedestal system if a protected products pass through the detection zone. The tag alarm will stop once the battery is depleted or the tag is reset.

Retailer Values

- 2-tone alarming feature provides a high level of security to high-risk merchandise
- Small footprint does not interfere with the shopper experience
- Integrated lanyard allows application to items that cannot be protected with pin-style tags
- Promotes open merchandising for increased sales
- Battery life warranty reduces operational and replacement costs

Solution Application
Outerwear, Suits, Denim, Leather Goods, Footwear, Accessories, Handbags

Product Codes
AM Technology:
- ZLAMT2TL (10.16cm)
- ZLAMT2TL12 (120cm)
- ZLAMT2TL15 (150cm)

RF Technology:
- RFT2TL (10.16cm)

Product Compatibility
Detachers
- Magnetic 9kG Detachers
- Magnetic 5kG Detacher
- Universal Magnetic Detacher

Detacher Type
Magnetic

Environmental Constraints
Temperature
Maximum storage temperature not to exceed 66°C (150°F) for 96 hours at 80% RH.

Humidity
Unaffected by 80% humidity at 66°C (150°F), up to 96 hours

Specifications
Color ....Black
Length.....................................65mm (2.56in)
Cable Length 10.16cm (4in)
120cm (47.24in)
150cm (60in)
Width 33.2mm (1.3in)
Depth 18.2mm (0.72in)
Weight 30.39g (1.07oz)
Pullout Force.......................>36.28kg (80lbs)
Lock Magnetic Strength 5kG

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.

Magnetic Mini Alarming 3-Tone Lanyard

The 3-Tone Mini Alarming Lanyard provides audible anti-theft protection for merchandise that cannot be protected with a pin-style tag. The integrated lanyard cable with a stainless-steel pin provides superior defeat resistance for items such as shoes, handbags, luggage and sporting goods. Its small size does not detract from high-end items, yet provides a strong visual deterrent. The alarming feature reduces risk of theft when protected merchandise is out of staff's view. The tag will emit an audible alarm if defeat is attempted and will alarm the AM pedestal system if protected products pass through the detection zone. For additional security, the tag itself will alarm if removed from the store. The tag alarm will stop once the battery is depleted or the tag is reset.

Retailer Values
- 3-tone alarming feature provides the highest level of security for high-risk merchandise
- Small footprint does not interfere with the shopper experience
- Integrated lanyard secures items unable to be protected with pin-style tags
- Promotes open merchandising for increased sales
- Battery life warranty reduces operational and replacement costs

Solution Application
Outerwear, Suits, Denim, Leather Goods, Footwear, Accessories, Handbags

Product Codes
AM Technology:
- ZLAMT3TL (10.16cm)
- ZLAMT3TL12 (120cm)
- ZLAMT3TL15 (150cm)

Product Compatibility
Detachers
- Magnetic 9kG Detachers
- Universal Magnetic Detacher

Detacher Type
Magnetic

Environmental Constraints
Temperature
Maximum storage temperature not to exceed 66°C (150°F) for 96 hours at 80% RH.

Humidity
Unaffected by 80% humidity at 66°C (150°F), up to 96 hours

Specifications
Color ....Black
Length.....................................65mm (2.56in)
Cable Length 10.16cm (4in)
120cm (47.24in)
50cm (60in)
Width 33.2mm (1.3in)
Depth 18.2mm (0.72in)
Weight 30.39g (1.07oz)
Pullout Force.......................>36.28kg (80lbs)
Lock Magnetic Strength 5kG

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.

Magnetic Mini Square Tag

The Magnetic Mini Square Tag is a versatile shoplifting deterrent for a wide range of products. Its small form factor and simple design secures items without interfering with the shopper experience, merchandising or brand promotion. Compatible with magnetic detachers, this hard tag is a desirable addition to any existing RF EAS system.

Retailer Values

· Versatile shoplifting deterrent for a wide range of products
· Small form factor does not interfere with shopper experience or brand promotion
· Promotes open merchandising for increased sales

Solution Application

Apparel, Accessories, Hats Sportswear, Home Fashions

Product Codes

· RFT6018-5 (5kG) Tack Included
· RFT6018-9 (9kG) Tack Included

Product Compatibility

Detachers

· Magnetic 9kG Detachers
· Magnetic 5kG Detacher
· Universal Magnetic Detacher

Detacher Type

Magnetic

Environmental Constraints

Temperature

Storage temperature range:
0-40ºC (32-104ºF)

Humidity

Unaffected by 20-85% humidity

Specifications

Color ....Black
Length.................................... 48mm (1.89in)
Width 42mm (1.65in)
Weight ....11g (0.024oz) includes pin
Pullout Force...........................≥45kg (99lbs)
Lock Magnetic Strength 5kG, 9kG

$C\mathepsilon$ This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.

Magnetic Pencil Tag

This Pencil hard tag protects everything from heavy denim to delicate intimate apparel. Featuring a modern, defeat- resistant design and easy application/ removal at the point-of-sale, this ferrite hard tag is ideal for protecting a wide variety of merchandise. This unobtrusive, visible deterrent is a desirable addition to any existing AM, EAS or RF system.

Retailer Values

- Small aesthetic design minimizes impact to merchandise on display
- Promotes open merchandising for increased sales

Solution Application

Apparel, Delicates/Intimates, Outerwear, Denim, Sportswear

Product Codes

AM/Ferrite Technology:

- ZLAMT6016-5 (5kG, Gray) - with Tack
- ZLAMT6016-9 (9kG, Gray) - with Tack
- ZLAMT6016B-5 (5kG, Black)-with Tack
- ZLAMT6016B-9 (9kG, Black)-with Tack

RF Technology:

- RFT6016-5 (5kG)-Tack included
- RFT6016-9 (9kG)-Tack included

Replenishment Tack
MJ6016 - Gray version only

Product Compatibility

Detachers

- Magnetic 9kG Detachers
- Magnetic 5kG Detacher
- Universal Magnetic Detacher

Detacher Type
Magnetic

Environmental Constraints

Temperature
Storage temperature range:
0-40°C (32-104°F)

Humidity
Unaffected by 20-85% humidity

Specifications

Color ....Gray
Length....................................45mm (1.77in)
Width 19mm (0.748in)
Depth 12mm (0.472in)
Weight 7.5g (0.264oz)
Pullout Force........................ ≥ 45kg (99.2lbs)
Lock Magnetic Strength 5kG,9kG

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.

Magnetic Pencil Lanyard

This hard tag protects everything from accessories to sportswear. It features a modern, defeat-resistant design, and is easily applied and removed at the point-of-sale. The integrated lanyard allows application to a wide variety of hard-to- tag merchandise. This ferrite tag is an unobtrusive, yet visible deterrent and a desirable addition to any existing AM, EAS or RF system.

Retailer Values

- Small, aesthetic design minimizes impact to merchandise on display
- Integrated lanyard allows application to items that can not be protected with pin-style tags
- Promotes open merchandising for increased sales

Solution Application

Accessories, Footwear, Handbags, Hats, Luggage, Belts, Watches, Sportswear

Product Codes

AM/Ferrite Technology:
- ZLAMT6016L-5 (5kG, Gray)
- ZLAMT6016L-9 (9kG, Gray)
- ZLAMT6016LB-5 (5kG, Black)
- ZLAMT6016LB-9 (9kG, Black)

RF Technology:
- RFT6016L-5 (5kG)
- RFT6016L-9 (9kG)

Product Compatibility

Detachers
- Magnetic 9kG Detachers
- Magnetic 5kG Detacher
- Universal Magnetic Detacher

Detacher Type

Magnetic

Environmental Constraints

Temperature
Storage temperature range: 0-40°C (32-104°F)

Humidity
Unaffected by 20-85% humidity

Specifications

Color ....Gray,Black
Length....................................45mm (1.77in)
Width 19mm (0.748in)
Depth 12mm (0.472in)
Weight 9g (0.32oz)
Pullout Force.......................≥ 45kg (99.2lbs)
Lock Magnetic Strength 5kG,9kG

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.

Magnetic Super Pencil Tag

Thin and sleek, the Super Pencil tag adds a modern look to the traditional AM Ferrite EAS solution. Offering robust engineering, easy in-store application and removal at the point-of-sale, this hard tag provides a strong visual deterrent with reliable detection for optimal merchandise protection. Ideal for wide exit coverage areas, it is a seamless addition to any existing AM EAS detection environment.

Retailer Values

- Thin and sleek design adds amodern look to traditional AM Ferrite EAS protection
- Ideal for wide exit coverage areas
- Promotes open merchandising for increased sales

Solution Application

Outerwear, Suits, Denim, Footwear, Apparel

Product Codes

- ZLAMT6011-5 (5kG) - Tack included
- ZLAMT6011-9 (9kG) - Tack included

Product Compatibility

Detachers

- Magnetic 9kG Detachers
- Magnetic 5kG Detacher
- Universal Magnetic Detacher

Detacher Type

Magnetic

Environmental Constraints

Temperature

Maximum storage temperature not to exceed 60°C (140°F) for 96 hours at 80% RH.

Humidity

Unaffected by 80% humidity at 60°C (140°F), up to 96 hours

Specifications

Color .... Dark Gray
Length 61.6mm (2.43in)
Width 15.4mm (0.61in)
Depth 19.8mm (0.78in)
Weight 9.07g (0.32oz)
Pullout Force...........................>45kg (99lbs)
Lock Magnetic Strength 5kG,9kG

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.

SoftTag

The Soft Tag provides premier performance and merchandise protection. The reusable soft tag is sealed inside a flexible, clear plastic pouch for easy reuse without having to deactivate. It is attached to merchandise via a plastic cord typically supplied by the retailer or via a standard Ultra-Gator pin or micro clamp.

Retailer Values

- Sealed inside clear pouch for easy reuse without deactivating
- Small label footprint minimizes impact on brand promotion and important product information
- Robust construction provides optimal merchandise protection

Solution Application

General Merchandise, Apparel

Product Codes

- ZL60-1 - White
- ZL60-2 - Barcode

Product Compatibility

Sensormatic AM detection and deactivation devices.

Environmental Constraints

Temperature

Maximum storage temperature not to exceed 60°C (140°F) for 96 hours at 80% RH.

Humidity

Unaffected by 80% humidity at 60°C (140°F), up to 96 hours

Specifications

Color .... White, Barcode
Length 28.7mm (1.13in)
Width 61.72mm (2.43in)

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.

Bottle Cap Tag

The Bottle Cap Tag provides maximum anti-theft protection for wine and spirits. This innovative hard tag fits most bottle- neck sizes to prevent theft, in-store consumption or bottle content transfer. Its slim, transparent design provides a strong visual deterrent without interfering with merchandising or brand promotion. Containing both an AM non-deactivateable label and RF ferrite technology, this hard tag will alarm any EAS pedestal system if protected product passes through the detection zone.

Retailer Values

- Strong visual deterrent for high-theft, high-value wine and spirits
- Fits most bottle neck sizes
- Form factor minimizes impact on store merchandising and brand promotion
- Promotes open merchandising for increased sales

Solution Application

Spirits, Wine, Bottled Products

Product Codes

AM & RF Technology
Standard Bottle Cap

- ZLAMT6017-5 (5kG)
- ZLAMT6017-9 (9kG)

Large Bottle Cap

- ZLAMT6017L-5 (5kG)
- ZLAMT6017L-9 (9kG)

Product Compatibility

Detachers

- Magnetic 9kG Detachers
- Magnetic 5kG Detachers
- Universal Magnetic Detacher

Detacher Type

Magnetic

Environmental Constraints

Temperature
Storage temperature range: 0-40°C (32-104°F)

Humidity
Unaffected by 20-85% humidity

Specifications

Color ....Black

Length
Standard 47.5mm (1.87in)
Large...................................78.2mm (3.07in)

Width
Standard 41.5mm (1.63in)
Large...................................49.0mm (1.93in)

Depth
Standard 18mm (0.71in)
Large................................... 72.2mm (2.84in)

Weight
Standard 65g (0.144lbs)
Large.. 81g (0.18lbs)
Pullout Force.......................... 45kg (99.2lbs)
Lock Magnetic Strength 5kG,9kG

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.
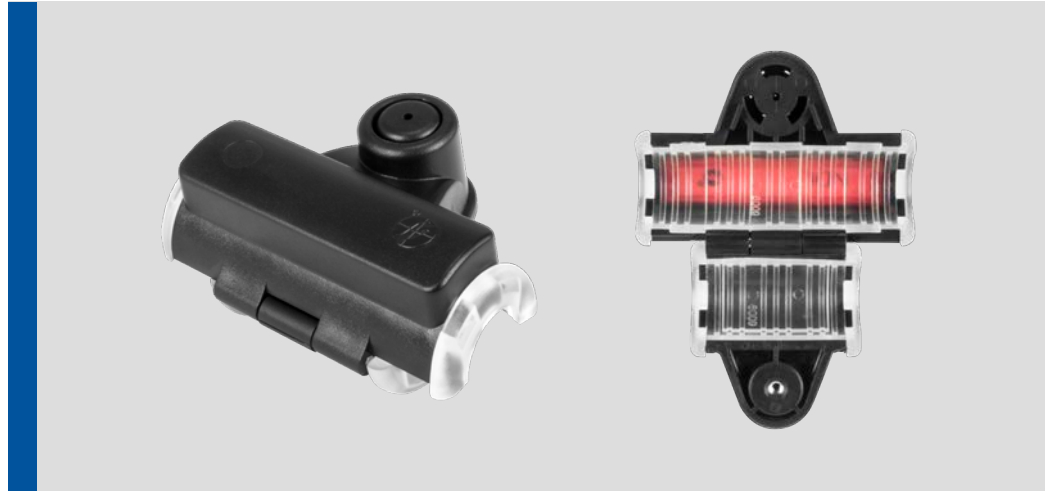
Magnetic Golf Tag

This sleek, lightweight design provides exceptional protection for high-value golf equipment. With placement on the shaft of the club and a modern look, this tag promotes a pleasant "try-out" experience with a strong visual deterrent to would-be shoplifters.

Retailer Values

- Secures high-value golf equipment with ease
- Promotes open merchandising for increased sales
- Visually appealing; does not affect shopper experience

Solution Application

Golf Clubs, Fishing Rods

Product Codes

- ZLAMT6009-5(5kG)
- ZLAMT6009-9(9kG)

Product Compatibility

Detachers

- Magnetic 9kG Detachers
- Magnetic 5kG Detacher
- Universal Magnetic Detacher

Detacher Type

Magnetic

Environmental Constraints

Temperature
Maximum storage temperature not to exceed 60°C (140°F) for 96 hours at 80% RH.

Humidity
Unaffected by 80% humidity at 60°C (140°F), up to 96 hours

Specifications

Color ....Black
Length 63.2mm (2.48in)
Width 20mm (0.79in)
Depth 43.7mm (1.72in)
Weight 36.28g (1.28oz)
Pullout Force ....>45kg (99lbs)
Lock Magnetic Strength 5kG, 9kG

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.

Magnetic Bat Tag

This unique, hard tag provides maximum protection for hard-to-tag sporting equipment including baseball bats, fishing rods and tennis rackets. With placement on the shaft of the merchandise, the tag does not interfere with customers' handling of equipment.

Retailer Values
- Provides maximum protection for hard-to-tag sporting equipment
- Reusable; the long shelf life helps reduce shrink and decrease operational costs
- Promotes open merchandising for increased sales
- Visually appealing, does not affect shopper experience

Solution Application
Baseball Bats, Fishing Rods, Tennis Rackets

Product Codes
- ZLAMT6010-5 (5kG)
- ZLAMT6010-9 (9kG)

Product Compatibility
Detachers
- Magnetic 9kG Detachers
- Magnetic 5kG Detacher
- Universal Magnetic Detacher

Detacher Type
Magnetic

Environmental Constraints
Temperature
Maximum storage temperature not to exceed 60°C (140°F) for 96 hours at 80% RH.

Humidity
Unaffected by 80% humidity at 60°C (140°F), up to 96 hours

Specifications
Color ....Black
Length..................................63.2mm (2.48in)
Width 20mm (0.79in)
Depth 43.7mm (1.72in)
Weight 36.28g (1.28oz)
Pullout Force........................... >35kg (77lbs)
Lock Magnetic Strength 5kG, 9kG

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.

Magnetic High-Heel Footwear Tag

This innovative, hard tag for high-heel pumps fastens to the back of the shoe with a lanyard cable and adjustable knob for protection without damage. Easy-to- remove with compatible Sensormatic detachers, the aesthetic tag design allows open merchandising with a strong visual deterrent that doesn't detract from the customer "try-on" experience. Available in AM or RF technology.

Retailer Values

- The first of its kind, this unique tag protects hard-to-tag high-heel pumps without causing cosmetic damage
- High magnetic strength for superior detection
- Reusable; the long shelf life helps reduce shrink and decrease operational costs
- Does not interfere with customer "trying-on" experience

Solution Application

High-Heel Pumps

Product Codes

AM Technology
- ZLAMT4300-5 (5kG)
- ZLAMT4300 (9kG)

RFTechnology
- RFT4300 (9kG)

Product Compatibility

Detachers
- Magnetic 9kG Detachers
- Universal Magnetic Detacher

Detacher Type

Magnetic

Environmental Constraints

Temperature
Maximum storage temperature not to exceed 60°C (140°F) for 96 hours at 80% RH.

Humidity
Unaffected by 80% humidity at 60°C (140°F), up to 96 hours

Specifications

Color ....Gray
Length................................... 99mm (3.89in)
Width 69mm (2.71in)
Depth 70mm (2.75in)
Weight 37.7g (1.32oz)
Lock Magnetic Strength 5kG, 9kG

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.
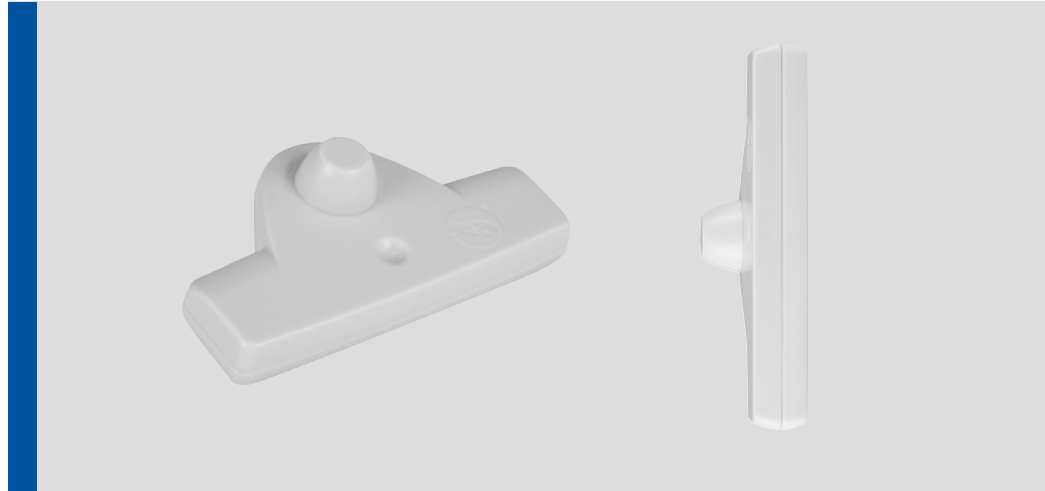
Magnetic Delicate Tag

The Delicate Tag protects easily damaged apparel and fine garments, without fear of rips or stretching from heavy tags with large pinholes. A strong visual deterrent, this tag delivers optimal merchandise protection to scarves, blouses, sarees, lingerie, bathing suits and other high- value, high-theft apparel.

Retailer Values

- Protects delicate fine merchandise with reduced risk of snags, rips or tears
- Small tag form allows easy stacking of garments for maximum merchandising flexibility
- Small size and neutral color for low impact to merchandise
- Promotes open merchandising for increased sales

Solution Application

Specialty Apparel, Delicate Apparel

Product Codes

- Tag (Gray): ZLAMT3220-G
- Tack (Gray): MJ3220-G
- Tag (Black): ZLAMT3220-B
- Tack (Black): MJ3220-B

Product Compatibility

Detachers

- Magnetic 9kG Detachers
- Magnetic 5kG Detacher
- Universal Magnetic Detacher

Detacher Type

Magnetic

Environmental Constraints

Temperature

Maximum storage temperature not to exceed 60°C (140°F) for 96 hours at 80% RH.

Humidity

Unaffected by 80% humidity at 60°C (140°F), up to 96 hours

Specifications

Color ....Gray, Black
Length....................................45mm (1.77in)
Width 25mm (0.98in)
Weight with tack...................... 4.0g (0.14oz)
Lock Magnetic Strength 5kG
Pullout Force..........................31.75kg (70lbs)

Material Thickness

0.1mm-0.3mm (0.0039in-0.012in)

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.

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Magnetic Clamp Tag

The Magnetic Clamp Tag combines ease of use and merchandise protection into a secure, one-piece hanging hard tag. The reusable tag keeps high-value, high-theft items secure and accessible, allowing retailers to open-merchandise with confidence.

Easy removal of the tag at the point-of-sale helps improve front-end checkout efficiencies. Available in either AM or RF technology, this visible deterrent is a desirable addition to any existing AM or RF EAS loss prevention program.

Retailer Values

- Promotes open merchandising for high-risk items allowing shoppers to easily view and purchase items
- Reduces time and labor required to apply and remove tags with one-piece design
- Speeds up front-end checkout efficiecies with easy tag removal at the point-of-sale

Suggested Solution Application

Ink Cartridges, Razor Blades, Batteries, Mobile Phone Accessories, Small Electronic Devices

Product Codes

AM Technology:
- ZLAMT6022B-5: Black (5kG)
- ZLAMT6022W-5: White (5kG)
- ZLAMT6022B-9: Black (9kG)
- ZLAMT6022W-9: White (9kG)

RF Technology:
- RFT6022B-5: Black (5kG)
- RFT6022W-5:White (5kG)
- RFT6022B-9: Black (9kG)
- RFT6022W-9: White (9kG)

Product Compatibility

Detachers
- Magnetic 9kG Detachers
- Magnetic 5kG Detacher
- Universal Magnetic Detacher

Detacher Type

Magnetic

Environmental Constraints

Temperature
Storage temperature range:
0°C to 40°C (32°F to 104°F)

Humidity
20-85%

Specifications

Color ....Black & White
Length....................................48mm (1.88n)
Width 36mm (1.41in)
Depth 16mm (0.629n)

Weight
AM & RF Technology 20g (0.705oz)

Lock Magnetic Strength 5kG, 9kG

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.

Sensormatic
by Johnson Controls

Magnetic Alarming 3-Tone Wrap

The 3-tone alarming wrap features adjustable cables that secure around merchandise of medium shape and size. The robust design offers a strong visual deterrent, while the low-profile footprint minimizes impact on brand promotion. When secured, the 3-tone wrap tag emits an audible alarm if defeat is attempted and alarms the pedestal system if protected products pass through the detection zone. For additional security, the wrap itself will alarm when tagged merchandise is removed from the retail store. The tag alarm will stop once the battery is depleted or the tag is reset.

Retailer Values

- Wraps securely around merchandise of medium shape and size
- 3-tone alarming feature provides the highest level of security to high-value, high-risk merchandise
- Promotes open merchandising for increased sales

Solution Application

Electronics, Laptops, Software, Power Tools, Video Games, Toys, Games

Product Codes

- ZLAMT6003-5 (5kG)
- ZLAMT6003-9 (9kG)

Product Compatibility

Detachers

- Magnetic 9kG Detachers
- Magnetic 5kG Detacher
- Universal Magnetic Detacher

Detacher Type

Magnetic

Environmental Constraints

Temperature

Maximum storage temperature not to exceed 66°C (150°F) for 96 hours at 80% RH.

Humidity

Unaffected by 80% humidity at 66°C (150°F), up to 96 hours

Specifications

Color ....Black
Length.................................... 57mm (2.24in)
Cable Length 720mm (28.3in)
Width 47mm (1.85in)
Weight 113.40g (4oz)
Lock Magnetic Strength 5kG,9kG

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.

2-Tone Medium

2-Tone Small

Magnetic Alarming 2-Tone Wrap

This 2-tone alarming wrap provides product security for a broad range of popular, high-valued merchandise. The adjustable cables secure packaging of all shapes and sizes, but still keep items accessible. When secured, the 2-tone wrap tag emits an audible alarm if defeat is attempted and alarms AM or RF pedestal systems if protected products pass through the detection field The wrap alarm will stop when the battery is depleted or when properly detached. The robust design provides a strong visual deterrent while the small form factor minimizes impact on brand promotion.

Retailer Values

- Wraps securely around merchandise of all shapes andsizes
- 2-tone alarming feature adds an extra layer of security to high-value,high-risk merchandise
- Small form factor minimizes impact on brand promotion

Solution Application

Small Wrap:

Video Games, Small Electronics, Hand Tools, Gift Box Sets, CD/DVD Collections, Software, E-Readers, Digital Cameras

Medium Wrap:

Electronics, Laptops, Software, Power Tools, Video Games, Toys, Games

Product Codes

Small Wrap:

- ZLAMT6001-5 (5kG)
- ZLAMT6001-9 (9kG)

Medium Wrap:

- ZLAMT6002-5(5kG)
- ZLAMT6002-9(9kG)

Product Compatibility

Detachers

- Magnetic 9kG Detachers
- Magnetic 5kG Detacher
- Universal Magnetic Detacher

Detacher Type

Magnetic

Environmental Constraints

Temperature

Maximum storage temperature not to exceed 66°C (150°F) for 96 hours at 80% RH.

Humidity

Unaffected by 80% humidity at 66°C (150°F), up to 96 hours

Specifications

Color ....Black

Length

Small 45mm (1.77in)
Medium................................. 47mm (1.85in)

Cable Length

Small 360mm (14.1in)
Medium............................... 720mm (28.3in)

Width

Small 45mm (1.77in)
Medium................................. 47mm (1.85in)

Weight

Small 58.96g (2.08oz)
Medium................................. 90.71g (3.2oz))
Lock Magnetic Strength 5kG, 9kG

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.

Magnetic Infant Formula Tag

This unique Sensormatic hard tag is designed to protect high-value, high-risk infant formula cans, while promoting open merchandising on the sales floor.

The robust tag attaches to the base of a formula can, or other similarly shaped item, for a strong visual deterrent. Its slim form factor minimizes impact to brand promotion and product instructions, and allows shoppers to access and purchase with ease. When secured, the tag will alarm an AM or RF detection system if a protected product passes through the detection zone.

Retailer Values

- Maximum security for high-value, high-risk infant formula
- Promotes open merchandising by allowing shoppers to easily access and purchase products
- Attractive design minimizes impact to product merchandising and allows stacking
- Robust tag is easy to attach and remove from merchandise

Solution Application

Infant formula, coffee cans

*Diameter size of merchandise to protect 128–132mm (5.03–5.19in)

Product Codes

- ZLAMT6020-5 (5kG, Black)
- ZLAMT6020-9 (9kG, Black)

Product Compatibility

- Magnetic 9kG Detachers
- Universal Magnetic Detacher
- Magnetic 5kG Detacher

Detacher Type

Magnetic

Environmental Constraints

Temperature
Storage temperature range
0°C-40°C (32°F–104°F)

Humidity
Unaffected by 20–85% humidity

Specifications

Color ....Black
Max Diameter 165mm (6.49in)
Height 32mm (1.25in)
Weight 108.86g (3.84oz)
Pullout Force.............................40kg (88lbs)
Lock Magnetic Strength..................9kG, 5kG

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.
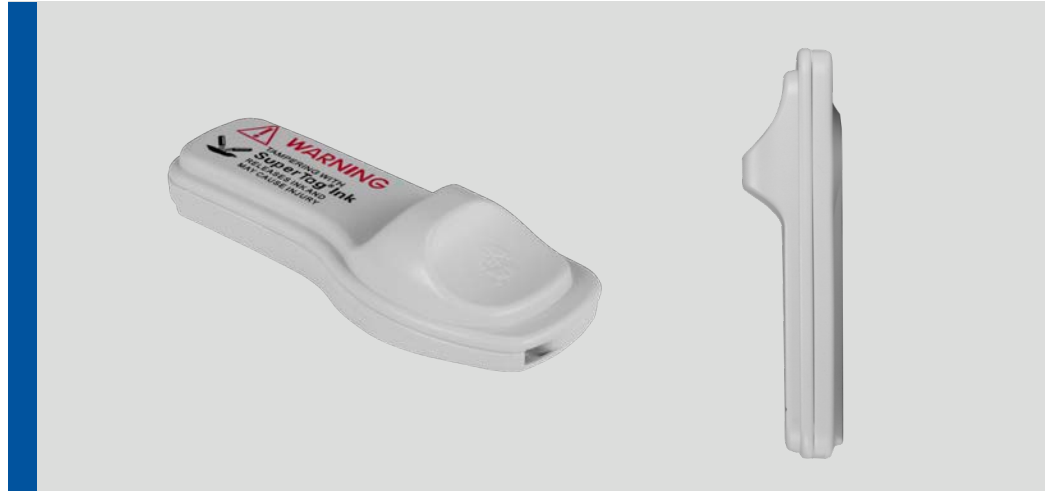
SuperTag Ink

The SuperTag Ink combines the superior defeat resistance of the SuperTag with the added deterrence of ink. The small, lightweight design provides a visual warning that complements other Sensormatic tagging solutions. If defeat is attempted, the non-freezable, non- toxic, non-flammable aggressive ink permanently stains garments, denying the benefit of shoplifting.

Retailer Values

- Features permanent, non-toxic,non-flammable, non-freezable ink
- SuperTag, the gold standard in asset protection, features a patented clamp design for superior defeat resistance
- Enhances existing SuperTag security platform without changing detachers
- Protects high-risk, high-value merchandise with an additional layer of security for the existing SuperTag platform

Solution Application

Apparel

Product Codes

- Tag (Gray with Yellow Ink and Universal Warning): ZL310Y-G
- Tack (Gray): MJ200-G

Product Compatibility

Detachers

- SuperTag Detacher
- SuperTag Manual Handheld Detacher

Detacher Type

SuperTag

Environmental Constraints

Temperature

Maximum storage temperature not to exceed 60°C (140°F) for 96 hours at 80% RH.

Humidity

Unaffected by 80% humidity at 60°C (140°F), up to 96 hours

Specifications

Color ....Gray
Length......................................79mm (3.1in)
Width 30.5mm (1.2in)
Depth 18.8mm (0.74in)
Weight 16.8g (0.59oz)
Pullout Force........................63.5kG (140lbs)

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.

Sensor-Ink Mini Tag

The Sensor-Ink Mini is the perfect benefit denial solution for protecting everything from heavy denims to delicate intimates. Small, lightweight and durable, the reusable non-EAS Sensor-Ink Mini meets the retailer demand for a high-integrity, cost-effective solution. It features a visible ink vial with a universal warning, providing a strong visual deterrent for would-be thieves. If defeat is attempted, the non-freezable, non-toxic, non- flammable aggressive ink permanently stains garments, denying the benefit of shoplifting. When paired with any SuperTag hard tag, the Sensor-Ink Mini provides both benefit denial and AM EAS protection.

Retailer Values

- Small design minimizes impact to displayed merchandise
- Features permanent, non-toxic,non-flammable, non-freezable ink
- Provides a visual deterrent against shoplifting
- Stainless-steel tack will not snag or tear garments and will not rust

Solution Application

General Merchandise, Apparel, Specialty Apparel

Product Codes

MJRMIN-G

Product Compatibility

Detachers

- SuperTag Detacher
- SuperTag Manual Handheld Detacher
- Ultra-Gator Detacher
- Ultra-Gator Manual Handheld Detacher
- Magnetic 5kG Detacher

Detacher Type

SuperClamp, all SuperTags, MicroClamp and Ultra-Gator

Specifications

Color .... White
Length 36.9mm (1.5in)
Width 23.9mm (0.9in)
Depth 12.9mm (0.5in)
Weight 5g (0.16oz)
Pullout Force..........................11.34kg (25lbs)

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.

Magnetic Saucer Ink Tag

The Saucer Ink tag provides double protection: dual ink vials for visual deterrence and a choice of AM Ferrite or RF technology. The slim design with visible ink vials provides maximum theft prevention. The tag secures a wide variety of high-risk merchandise, while allowing retailers to open merchandise with confidence.

Retailer Values

- Works with both AM Ferrite or RF technology
- Flat profile does not interfere with the shopper experience
- Visible ink vials for maximum theft deterrence

Solution Application

Denim, Designer Apparel, Footwear, Sportswear, Swimsuits, Home Fashions, Backpacks

Product Codes:

AM Technology:

- ZLAMT6015-5 (5kG)
- ZLAMT6015-9 (9kG)
- MJ6015 - Metal Tack

RF Technology:

- RFT6015-5 (5kG)
- RFT6015-9 (9kG)
- MJ6015 - Metal Tack

Product Compatibility

Detachers

- Magnetic 9kG Detachers
- Universal Magnetic Detacher
- Magnetic 5kG Detacher

Detacher Type

Magnetic

Environmental Constraints

Temperature

Maximum storage temperature not to exceed 60°C (140°F) for 96 hours at 80% RH.

Humidity

Unaffected by 80% humidity at 60°C (140°F), up to 96 hours

Specifications

Color .... White
Depth 18.5mm (0.73in)

Diameter

Tag: 50mm (1.97in)
Pin... 1.2mm (0.05in)

Weight ....17g (0.6oz) includes pin

Pullout Force....................... 58.96kg (130lbs)
Lock Magnetic Strength 5kG,9kG

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.

Sensormatic Solutions

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SuperClamp

The SuperClamp is designed to hold Ultra·Ink or Sensor-Ink to soft goods. This reusable clamp detaches via SuperTag detachers for an added benefit to customers who use SuperTag hard tags. This product must be used with a benefit denial tag to provide asset protection value.

Retailer Values

Locking device holds either Ultra·Ink or Sensor-Ink to soft goods

Solution Application

Apparel

Product Codes

ML50-G

Product Compatibility

Detachers
- SuperTag Detacher
- SuperTag Manual Handheld Detacher

Detacher Type

SuperTag

Specifications

Color ....Gray
Length..................................... 51mm (2.0in)
Width 30mm (1.18in)
Depth 18.75mm (0.73in)
Weight 9g (0.32oz)
Pullout Force........................63.5kG (140lbs)

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.
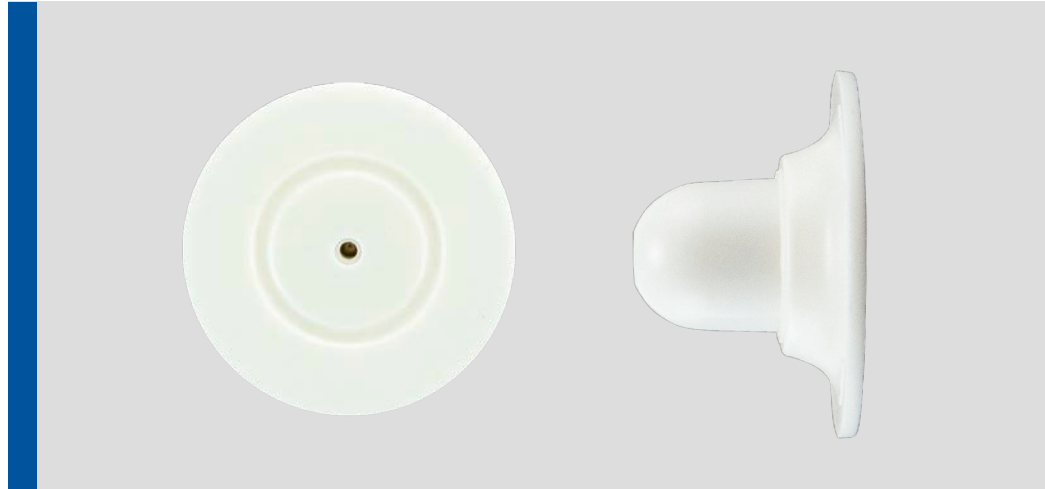
Clutch Retainer II

The Clutch Retainer II is a reusable magnetic locking device designed to hold Sensor-Ink or other benefit denial magnetic tags. This product must be used with a benefit denial tag to provide asset protection value.

Retailer Values

· Designed to hold Sensormatic benefit denial tags
· Protects ink tags if they are not installed through an active hard tag

Solution Application

Apparel

Product Codes

ST14594

Product Compatibility

Detachers

· Magnetic 9kG Detachers
· Universal Magnetic Detacher
· Magnetic 5kG Detacher

Detacher Type

Magnetic

Specifications

Color ....Gray
Depth 16.8mm (0.66in)
Diameter 28.6mm (1.12in)
Weight 5.67g (0.2oz)
Pullout Force...................... 54.43kg (120lbs)
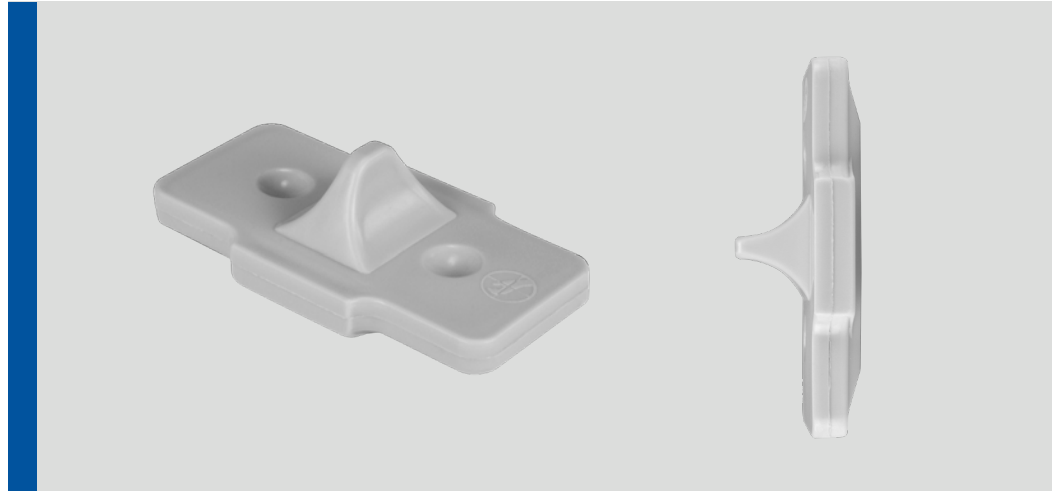
MicroClamp

The MicroClamp is designed to hold Ultra·Ink, InkTag III or Sensor-Ink for a reusable benefit denial solution. This reusable clamp detaches via Ultra-Gator hand or power detachers for an added benefit to customers who use Ultra-Gator hard tags. This product must be used with a benefit denial tag to provide asset protection value.

Retailer Values

· Protects ink tags if not installed through an active hard tag

Solution Application

Apparel

Product Codes

MX90

Product Compatibility

Detachers

· Ultra-Gator Detacher
· Ultra-Gator Manual Handheld Detacher

Detacher Type

Ultra-Gator

Specifications

Color ....Gray
Length..................................... 51mm (2.0in)
Width 28.5mm (1.12in)
Depth 16mm (0.63in)
Weight 8.45g (0.3oz)
Pullout Force...................... 54.43kg (120lbs)
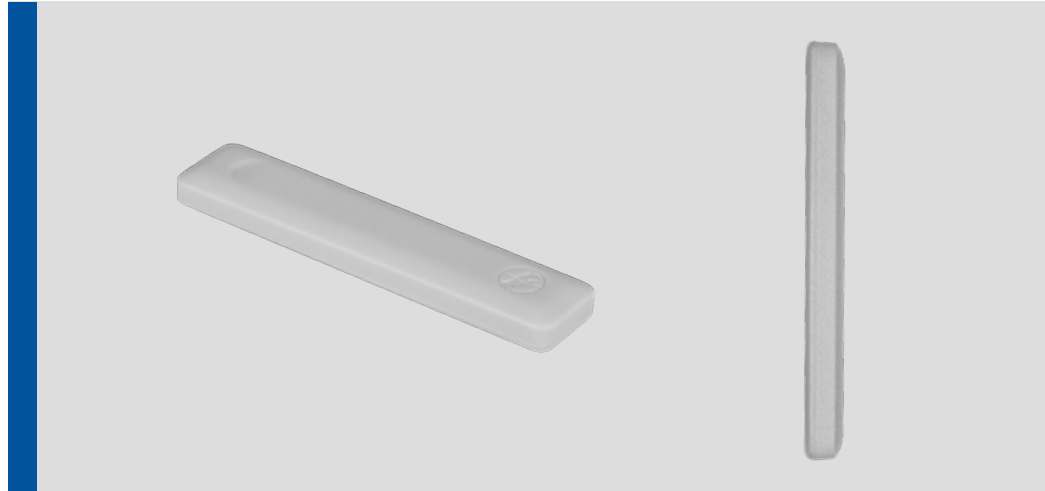
Non-Adhesive Hard Tag

The non-deactivatable, reusable Non-Adhesive Hard Tag delivers high-performance AM EAS technology in a small hard tag design. Ideal for drop in applications, such as handbags or wallets, this lightweight, compact tag provides a strong visual deterrent with low impact to merchandise display.

Retailer Values

- Non-adhesive for drop in applications such as handbags or wallets
- Non-deactivatable and reusable to help preserve the bottom line
- Lightweight design and small footprint provide the right visual deterrent for small or delicate merchandise
- Rigid ABS housing helps minimize tampering by would-be shoplifters

Solution Application

Apparel, General Merchandise, Specialty Apparel, Sporting Goods, DIY, Jewelry

Product Codes

ZLAMT5000-G

Product Compatibility

Sensormatic AM EAS detection systems

Environmental Constraints

Temperature

Maximum storage temperature not to exceed 60°C (140°F) for 96 hours at 80% RH.

Humidity

Unaffected by 80% humidity at 60°C (140°F), up to 96 hours.

Specifications

Color ....Gray
Length 42mm (1.65in)
Width 9mm (0.35in)
Height 4mm (0.16in)
Weight 1.4g (0.04oz)
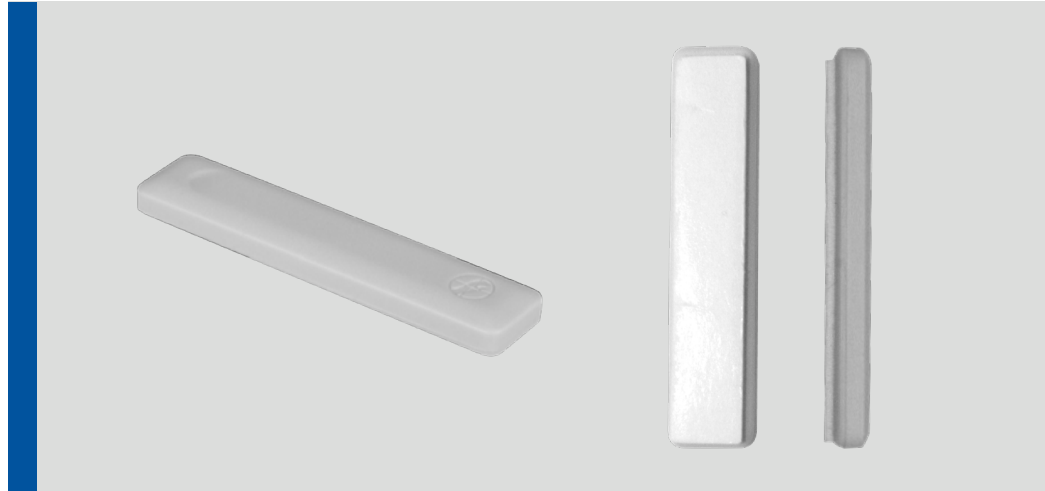
Adhesive HardTag

The non-deactivatable, reusable Adhesive Hard Tag delivers high-performance AM EAS technology in a small hard-tag design. The high-bond adhesive quickly attaches to any flat surface, making this tag ideal for protecting display items and assets that should not be removed from the store. The lightweight, compact tag provides a strong visual deterrent with low impact to merchandise on display.

Retailer Values

- Non-deactivatable tag is ideal for protecting display items and store
- assets that should not be removed from the store
- High-bond adhesive attaches quickly to any flat surface
- Rigid ABS housing helps minimize tampering by would-be shoplifters

Solution Application

Display Items, General Merchandise

Product Codes

ZLAMT5000A-G

Product Compatibility

Sensormatic AM EAS detection systems

Environmental Constraints

Temperature

Maximum storage temperature not to exceed 60°C (140°F) for 96 hours at 80% RH.

Humidity

Unaffected by 80% humidity at 60°C (140°F), up to 96 hours.

Specifications

Color ....Gray
Length....................................42mm (1.65in)
Width 9mm (0.35in)
Height 5mm (0.20in)
Weight 1.5g (0.05oz)

Eyelet HardTag

The non-deactivatable, reusable Eyelet Hard Tag delivers high-performance AM EAS technology in a small hard-tag design. It easily attaches to small, delicate merchandise, such as jewelry and accessories, with a cable tie or lanyard. Lightweight and compact, this tag provides a strong visual deterrent with low impact to merchandise on display.

Retailer Values

- Easily attaches to merchandise with a cable tie or lanyard
- Lightweight design and small footprint provide the right visual deterrent for small or delicate merchandise
- Rigid ABS housing helps minimize tampering by would-be shoplifters

Solution Application

Apparel, General Merchandise, Specialty Apparel, Sporting Goods, DIY, Jewelry

Product Codes

ZLAMT5000T-G

Product Compatibility

Sensormatic AM EAS detection systems

Environmental Constraints

Temperature

Maximum storage temperature not to exceed 66°C (150°F) for 96 hours at 80% RH.

Humidity

Unaffected by 80% humidity at 66°C (150°F), up to 96 hours.

Specifications

Color ....Gray
Length..52mm (2.0in)
Width 10mm (0.39in)
Height 4mm (0.16in)
Weight 1.7g (0.06oz)
Hole 1.......................2 x 2.5mm (0.08 x 0.10in)
Hole 2 .... 2.7 x 4.2mm
(0.11 x 0.17in)

Secure compatible hard tags to soft goods of various thickness for a strong, tamper–resistant fit.

Product Compatibility
- SuperTag Portfolio
- Magnetic AM/RFID Tag
- AM/RFID Hard Tag
- SuperTag Lanyard
- Versatie

Product Codes
- MJ200-G: Gray Tack
- MJ200-B: Black Tack
- MJ200L-W: White Long Tack
- MJ200-MG: Gray Tack for AM/RFID Magnetic Tag

Specifications
MJ200-G and MJ200-B
Tack Length................15mm (0.59in)
MJ200L-W
Tack Length................17mm (0.66in)
MJ200-MG
Tack Length................15mm (0.59in)

Product Compatibility
- Deactivatable SuperTag VST-R
- Non–Deactivatable SuperTag VST-R

Product Codes
- M70-H: Metal Tack

Specifications
Tack Length............. 14.5mm (0.57in)

Product Compatibility
- Ultra–Gator Tag
- Verstie
- Lanyard for Ultra–Gator Tag

Product Codes
- MJ25-2P: Beige Tack

Specifications
Tack Length................14mm (0.54in)

Product Compatibility
Magnetic 9kG Tack Tag

Product Codes
- MJ400-G: Gray Tack
- MJ400-B: Black Tack

Specifications
Tack Length................ 15mm (0.60in)

Product Compatibility
- MVST-R Tag

Product Codes
- MJ7400: New Gray Tack
- MJ7400R: Re-circulated Gray Tack

Specifications
Tack Length.............. 7.1mm (0.67in)

Product Compatibility
- Magnetic 5kG Tack Tag

Product Codes
- MJAMT3200-G: Gray Tack
- MJAMT3200-S: Steel Tack
- MJAMT3200-B: Black Tack

Specifications
MJAMT3200-G
Tack Length............ 17.9mm (0.70in)

MJAMT3200-S
Tack Length............ 17.9mm (0.70in)

MJAMT3200-B
Tack Length............ 17.9mm (0.70in)

Product Compatibility
- Magnetic 9kG Tack Tag
- Magnetic 5kG Tack Tag
- Ultra-Gator Tag

Product Codes
- MJ31L-W: Long White Tack

Specifications
Tack Length................ 19mm (0.74in)

Product Compatibility
- SuperTag Portfolio
- Ultra-Gator Portfolio
- Magnetic 9kG Tack Tag

Product Codes
Tack Only
- MJVT-2: Beige
- MJVT-3B: Beige
- MJVT-4B: Beige

Clip Only
- MXVC-1: Metal

Specifications
Tacks
MJVT-2
Tack Length............ 12.3mm (0.48in)
MJVT-3B
Tack Length............ 12.3mm (0.48in)
MJVT-4B
Tack Length............ 12.3mm (0.48in)

Clip
MXVC-1
0.30 x 0.20 x 2.4mm
(1.18 x 0.79 x 1in)

Unique, ultra-thin tack design minimizes risk of damage to delicate fabrics.

Product Compatibility
· Magnetic 5kG Tack Tag
· MVST-R Tag

Product Codes
· MJLT-1 (CE only): White Tack

Specifications
Tack Length................13mm (0.51in)
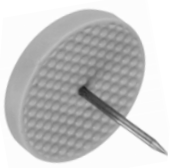
Product Compatibility
· Magnetic Delicate Tag

Product Codes
· MJ3220-G: Gray Tack
· MJ3220-B: Black Tack

Specifications
Tack Length.........0.318mm (0.012in)

Product Compatibility
· Magnetic Saucer Ink Tag

Product Codes
· MJ6015: Metal Tack

Specifications
Tack Length..............12.7mm (0.5in)

A flexible and secure way to attach compatible hard tags to a variety of merchandise, including hard-to-tag product categories.

Product Compatibility
· Magnetic 5kG Tack Tag

Product Codes
· MXETL: Loop on one end and unique eye on other end

Specifications
Length.....................................21cm (8.26in)

Product Compatibility
· Ultra-Gator Tag Portfolio

Product Codes
· MXGL: Loops on both ends

Specifications
Length............................0.318mm (0.012in)

Product Compatibility
· SuperTag Portfolio

Product Codes
· MXSTL
  Stainless-steel cable with loop on one end and eye on other end

Specifications
Length.....................................21cm (8.26in)

Adjustable, reusable plastic strap attaches compatible hard tags to a variety of merchandise.

Product Compatibility
- SuperTag Portfolio
- Ultra-Gator Portfolio
- Magnetic 9kG Tack Tag

Product Codes
- MXVT15: Gray

Specifications
Length.................................... 15.5cm (6.1in)

Labels
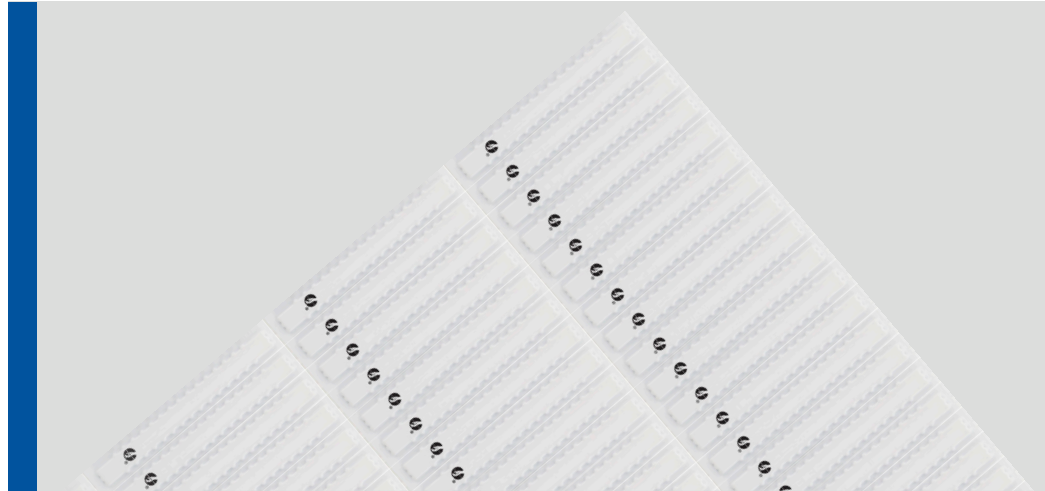
HBC Sheet Label

The Health, Beauty & Cosmetic (HBC) Sheet Label delivers merchandise protection using proven Sensormatic technology to fit the narrowest of merchandise. This AM EAS label design secures items small enough to quickly hide or those that may be taken without attracting attention. The HBC label provides consistent deactivation at the point-of-sale (POS) and reliable detection performance.

Available for in-store hand application, this label can also be applied to merchandise at the point of manufacture. This allows retailers to receive floor-ready merchandise with consistent label placement to help expedite receiving and selling floor fulfillment.

Retailer Values

- Utilizes proven Sensormatic AM technology and manufacturing processes
- Protects cylindrically-shaped merchandise too narrow for traditional EAS labels such as cosmetics, skin care and oral health products
- Permits open merchandising while still combatting theft

Suggested Solution Application

Cosmetics, Skin Care
Oral Health Products
Pain Relief

Product Codes

- ZLHBCS1: White
- ZLHBCS5: Black

Technology

Acousto-Magnetic (AM)

Product Compatibility

Sensormatic AM detection and deactivation devices

Detacher Type

SuperTag

Environmental Constraints

Temperature
Maximum storage temperature not to exceed 50°C (122°F) for 96 hours at 80% RH.

Humidity
Unaffected by 80% humidity at 50°C (122°F), up to 96 hours.

Shelf Life
Two years from date of manufacture when labels are stored between 15°C–32°C (60°F–90°F), 30–80% RH.

Mode of Application

Hand

Materials of Construction

Plastic Substrate
Polystyrene/Polyethylene 0.254mm (0.010in) thickness

Magnetic Acoustic Resonator
Proprietary resonant magnetic material. Amorphous alloy based on iron, containing nickel, cobalt, boron and silicon

Laminate
Low Density Polyethylene/Polyester Polyethylene 0.101mm (0.004in)

Bias
Proprietary semi-hard magnetic material containing iron and nickel

Adhesive
Double-coated, rubber-based adhesive:
- 2.4 mil thick per side
- Minimum peel strength of 2.27kg/5lbs

Release Liner
Double-sided, silicon-coated 80 lb bleached Kraft liner 0.114mm (0.0045in)

Specifications
Color .... White, Black
Length ....45.21mm + 0.5mm (1.78 + 0.020in)
Width . 6.0mm + 0.25mm (0.236in + 0.010in)

Label Thickness
(excluding liner) ..Maximum 1.6mm (0.063in)
(including liner) ...Maximum 1.8mm (0.070in)

Labels Per Sheet 192

Note:
Warranty terms and conditions are as specified in the applicable Sales Agreement.

$C\epsilon$ This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.

SPECIFICATIONS

	Sheet
PRODUCT CODES	ZLHBCS1, ZLHBCS5
Case Weight	2.380kg (5.24lbs)
External Carton Dimensions	27.9 x 20 x 11cm | (11 x 8 x 4.5in)
External Cubic Ft. Per Case	0.23
Cases Per Pallet	160
Order Multiple	8,864-unit case

APX Sheet Label
The premier choice in label performance and merchandise protection.

The Advanced Performance Xtreme (APX) Sheet Label delivers top-of-the-line performance and superior merchandise protection using proven Sensormatic technology. The APX Label provides exceptional range, sensitivity, tamper-resistance, detection and consistent deactivation at the point-of-sale (POS) with virtually no nuisance alarms. This robust and stable AM EAS label operates efficiently after exposure to environmental stresses, including shipping and handling. Available for in-store hand application, this label can also be applied to merchandise at the point of manufacturing so retailers can receive floor-ready merchandise with consistent label placement-expediting receiving and selling floor fulfillment.

Retailer Values
- Utilizes proven Sensormatic AM technology and manufacturing process to provide reliable detection performance
- Quality materials and precision manufacturing help deliver consistent deactivation at the POS

- Small label footprint minimizes impact on brand promotion andimportant product information
- Robust construction provides optimal merchandise protection
- Works well on liquids, foils and in metal shopping carts
- Reactivatable for unlimited reuse

Product Codes
- ZLAPXS1: White
- ZLAPXS2: Mock barcode
- ZLAPXS5: Black

Technology
Acousto-Magnetic (AM)

Product Compatibility
Sensormatic AM detection and deactivation devices.

Environmental Constraints
Temperature
Maximum storage temperature not to exceed 50°C (122°F) for 96 hours at 80% RH.

Humidity
Unaffected by 80% humidity at 50°C (122°F), up to 96 hours.

Shelf Life
Two years from date of manufacture when labels are stored between 15°C–32°C (60°F–90°F), 30–80% RH.

Mode of Application
Hand

Materials of Construction
Plastic Substrate
Polystyrene/Polyethylene 0.254mm (0.010in) thickness

Magnetic Acoustic Resonator
Proprietary resonant magnetic material Amorphous alloy based on iron, containing nickel, cobalt, boron and silicon

Laminate
Low Density Polyethylene/Polyester 0.101mm (0.004in)

Bias
Proprietary semi-hard magnetic material containing iron and nickel

Adhesive
Double-coated, rubber-based adhesive:
- 2.4 mil thick each side
- Minimum peel strength of 2.27kg/5lbs/in

Release Liner
Double-sided, silicon-coated 80lb. bleached Kraft liner 0.114mm (0.0045in) thick.

Dimensions
Color .... White, Mock Barcode, Black
Length............................ 45.21mm ± 0.5mm
                                    (1.78in ± 0.020in)
Width .... 10.67mm ± 0.5mm
                                    (0.420in ± 0.020in)

Label Thickness
(excluding liner) Maximum ... 89mm (0.074in)
(including liner) Maximum 2.00mm (0.079in)

Labels Per Sheet 108

Sheet Specs	
	Sheet
PRODUCT CODES	ZLAPXS1,ZLAPXS2 ZLAPXS5
Case Weight	2.486kg (5.48lbs)
External Carton Dimensions	27.9 x 20 x 11cm (11 x 8 x 4.5in)
External Cubic Ft. Per Case	0.23
Cases Per Pallet	160
Order Multiple	5,000-unit case

Note:
Warranty terms and conditions are as specified in the applicable Sales Agreement.

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.

APX Roll Label

The premier choice in label performance and merchandise protection

The Advanced Performance Xtreme (APX) Roll Label delivers top-of-the-line performance and superior merchandise protection using proven Sensormatic technology. The APX Label provides exceptional range, sensitivity, tamper resistance, detection and consistent deactivation at the point-of-sale (POS) with virtually no nuisance alarms. This robust and stable AM EAS label operates efficiently after exposure to environmental stressors, including shipping and handling. This label design is for automatic application to merchandise at the point of manufacturing so retailers can receive floor-ready merchandise with consistent label placement, expediting receiving and selling floor fulfillment.

Retailer Values

· Utilizes proven Sensormatic AM technology andmanufacturing process to provide reliable detection performance
· Applied at the source allows merchandise to arrive tagged and shelf ready, moving faster from receiving to sales floor
· Better label adhesion ensures durability and longevity on merchandise during shipping, storage and handling

· Permits open merchandising while still combatting theft
· Quality materials and precision manufacturing help deliver consistent deactivation at the POS
· Small label footprint minimizes impact on brand promotion and important product information
· Works well when placed on liquids, foils and in metal shopping carts
· Reactivatable for unlimited reuse

Product Codes

Small Roll
· ZLAPX1K71: White
· ZLAPX1K75:Black

Large Roll
· ZLAPX7K51: White
· ZLAPX7K55:Black

Technology
Acousto-Magnetic (AM)

Product Compatibility
Sensormatic AM detection and deactivation devices.

Environmental Constraints
Temperature
Maximum storage temperature not to exceed 50°C (122° F) for 96 hours at 80% RH.

Humidity
Unaffected by 80% humidity at 50°C (122°F), up to 96 hours.

Shelf Life Small Roll:
Two years from date of manufacture when labels are stored between 15°C –32°C (60°F–90°F), 30–80% RH.

Large Roll:
One year from date of manufacture when labels are stored between 15°C–32°C (60°F–90°F), 30–80%RH.

Mode of Application
Small Roll:
Hand or Tabletop

Large Roll:
Automatic

Materials of Construction
Plastic Substrate Polystyrene/Polyethylene 0.254mm (0.010in) thick

Magnetic Acoustic Resonator Proprietary resonant magnetic material. Amorphous alloy based on iron, containing nickel, cobalt, boron andsilicon

Materials of Construction
Laminate
Low Density Polyethylene/Polyester Poly-ethylene 0.101mm (0.0040in)

Bias
Proprietary semi-hard magnetic material containing iron and nickel

Adhesive
Double-coated, rubber-based adhesive:
- 2.4mil thick per side
- Minimumpee strength of 2.27kg/5lbs

Release Liner
PET (Polyethylene) film silicone treated 0.0508mm + - 10% thick

Dimensions
Color .... White, Black
Length............................. 44.6mm ± 0.15mm
(1.76in ± 0.006in)
Width ....10.16mm ± 0.15mm
(0.40in ± 0.006in)

Label Thickness
(excluding liner) . Maximum 173mm (0.068in)
(including liner) . Maximum 1.78mm (0.070in)

Liner Width .... 48.64mm ± 0.75mm
(1.915in ± 0.030in)

Label Repeat ....14.73mm ± 0.75mm
(0.580in ± 0.030in)

Label to Liner Spacing
Large............................... 2.02mm ± 0.75mm
Small.................± 2.0mm (0.080in ±0.030in)

Note:
Warranty terms and conditions are as specified in the applicable Sales Agreement.

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.

Roll Specifications

	Small Roll	Large Roll
PRODUCT CODES	ZLAPX1K71 – ZLAPX1K75	ZLAPX7K51 – ZLAPX7K55
Diameter Of Core	76.2mm (3in) core	152.4mm (6in) core*
Max Roll Diameter	240mm (9.45in)	500mm (19.7in)
Number Splices	3 splices, 1 leader splice	5 splices, 1 leader splice
Roll Weight	0.743kg (1.63lbs)	3.376kg (7.44lbs)
Case Weight	4.63kg (10.20lbs)	15.49kg (34.15lbs)
External Carton Dimensions	27.6 x 24.5 x 30.5cm (10.88 x 9.63 x 12in)	51.8 x 51.8 x 25.4cm (20.38 x 20.38 x 10in)
External Cubic Ft. Per Case	0.73	2.4
Roll Size	1,700-unit roll	7,500-unit roll
Rolls Per Case	5	4
Cases Per Pallet	48	16

APX Low Profile Roll Label

The premier choice in label performance and merchandise protection

The Advanced Performance Xtreme (APX) Roll Label delivers top-of-the-line performance and superior merchandise protection using proven Sensormatic technology. The APX Label provides exceptional range, sensitivity, tamper resistance, detection and consistent deactivation at the point-of-sale (POS) with virtually no nuisance alarms. This robust and stable AM EAS label operates efficiently after exposure to environmental stressors, including shipping and handling. This label design is for automatic application to merchandise at the point of manufacturing so retailers can receive floor-ready merchandise with consistent label placement, expediting receiving and selling floor fulfillment.

Retailer Values

- Utilizes proven Sensormatic AM technology andmanufacturing process to provide reliable detection performance
- Applied at the source allows merchandise to arrive tagged andshelf ready, moving faster from receiving to sales floor
- Better label adhesion ensures durability and longevity on merchandise during shipping, storage and handling

- Permits open merchandising while still combatting theft
- Quality materials and precision manufacturing help deliver consistent deactivation at the POS
- Small label footprint minimizes impact on brand promotion and important product information
- Works well when placed on liquids, foils and in metal shopping carts
- Reactivatable for unlimited reuse

Product Codes

Large Roll:
ZLAPX9K1: White

Technology

Acousto-Magnetic (AM)

Product Compatibility

Sensormatic AM detection and deactivation devices.

Environmental Constraints

Temperature
Maximum storage temperature not to exceed 50°C (122° F) for 96 hours at 80% RH.

Humidity
Unaffected by 80% humidity at 50°C (122°F), up to 96 hours.

Shelf Life

One year from date of manufacture when labels are stored between 15°C-32°C (60°F-90°F), 30-80%RH.

Mode ofApplication

Automatic

Materials of Construction

Plastic Substrate
Polystyrene/Polyethylene 0.254mm (0.010in) thick

Magnetic Acoustic Resonator
Proprietary resonant magnetic material. Amorphous alloy based on iron, containing nickel, cobalt, boron andsilicon

Laminate
Low Density Polyethylene/Polyester Polyethylene 0.101mm (0.0040in)

Bias
Proprietary semi-hard magnetic material containing iron and nickel

Adhesive
Double-coated, rubber-based adhesive:
- 2.4mil thick per side
- Minimum peel strength of 2.27kg/5lbs

Sensormatic Solutions

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Release Liner
PET (Polyethylene) film silicone treated
0.0508mm + – 10% thick

Dimensions
Color .... White
Length .... 44.6mm ± 0.15mm
(1.76in ± 0.006in)
Width .... 10.16mm ± 0.15mm
(0.4in ± 0.006in)

Label Thickness
(excluding liner) .... 1.20mm ± 0.13mm
(0.047in ± 0.005in)
Liner Width .... 48.64mm ± 0.75mm
(1.915in ± 0.030in)
Label Repeat .... 14.73mm ± 0.75mm
(0.58in ± 0.03in)

Label to Liner Spacing.
2.02mm ± 0.75mm
(0.080in ± 0.03in)

Additional Consideration:
Must be applied to a rigid substrate.

Note:
Warranty terms and conditions are as
specified in the applicable Sales Agreement.

CE This product is in conformity with RoHS
Directive 2011/65/EU, 2015/863/EU and REACH
regulation as defined in EC No 1907/2006 and
subsequent amendments.

Roll Specifications

	Roll
PRODUCT CODE	ZLAPX9K1
Diameter Of Core	152.4mm (6in) core*
Max Roll Diameter	485mm (19in)
Number Splices	5 splices,1 leader splice
Roll Weight	4.04kg (8.90lbs)
Case Weight	18.20kg (40.12lbs)
External Carton Dimensions	51.8 x 51.8 x 25.4cm (20.38 x 20.38 x 10in)
External Cubic Ft.Per Case	2.4
Roll Size	9,000-unit roll
Rolls Per Case	4
Cases Per Pallet	16

*Includes 3in core adapter

APX Non-Reactivatable Label

The APX Non-Reactivatable Sheet Label delivers top-of-the-line performance and superior merchandise protection.

This label provides exceptional range, sensitivity, detection and consistent deactivation at the point-of-sale (POS) with virtually no nuisance alarms.

This robust and stable AM EAS label operates efficiently after exposure to environmental stressors, including shippingandhandling. Thislabeldesignis for automatic application to merchandise at the point of manufacturing, and remains with the product after purchase. The non-reactivatable design prevents inadvertent reactivation after customer purchase.

Retailer Values

- Utilizes proven Sensormatic AM technology and manufacturing process to provide the highest detection performance
- Non-reactivatable format helps prevent inadvertent reactivation, reducing nuisance EAS alarms at the store entrance
- Merchandise arrives sales-floor ready, enabling immediate product availability

Solution Application

Footwear

Product Codes

- ZLAML-APXDBS6: Sheet
- ZLAML-APXDBS6-S: Bag (Singulated)

Technology

Acousto-Magnetic (AM)

Product Compatibility

Sensormatic AM detection and deactivation devices

Environmental Constraints

Temperature

Maximum storage temperature not to exceed 50°C (122°F) for 96 hours at 80% RH

Humidity

Unaffected by 80% humidity at 50°C (122°F), up to 96 hours.

Shelf Life

Two years from date of manufacture when labels are stored between 15°C-32°C (60°F-90°F), 30-80% RH.

Mode of Application

Automatic

Materials of Construction

Plastic Substrate
Polystyrene/Polyethylene 0.254mm (0.010in) thickness

Magnetic Acoustic Resonator
Proprietary resonant magnetic material. Amorphous alloy based on iron, containing nickel, cobalt, boron and silicon

Laminate

Low Density Polyethylene/Polyester 0.101mm (0.004in)

Bias

Proprietary semi-hard magnetic material containing iron and nickel

Adhesive

Double-coated, rubber-based adhesive:

- 2.4 mil thick per side
- Minimum peel strength of 2.27kg/5lbs

Release Liner

Double-sided, silicon-coated 2 mil polyster

Dimensions

Color .... White
Length..... 45.21mm + 0.5mm (1.78 + 0.020in)
Width . 10.67mm + 0.5mm (0.420in + 0.020in)

Label Thickness

(excluding liner) Maximum .. 0.89mm (0.074in)
(including liner) Maximum ... 2.00mm (0.079in)

Labels per Sheet 108

Labels per Bag 1,000

Specifications

	Sheet	Bag
PRODUCT CODE	ZLAML-APXDBS6	ZLAML-APXDBS6-S
Case Weight	3.44kg (7.58lbs)	3.52kg (7.76lbs)
External Carton Dimensions	275X197X97 mm (10.8 x 7.8 x 3.8in)	275X197X197 mm (10.8 x 7.8 x 7.8in)
External Cubic Ft. Per Case	0.23	0.38
Cases Per Pallet	144	80
Order Multiple	5,000-unit case	5,000pcs/case

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.

Note:

Warranty terms and conditions are as specified in the applicable Sales Agreement.

APX Non-Deactivatable Sheet Label (NDL)

The APX Non-Deactivatable Label delivers the stability and resistance to deactivation similar to a Sensormatic hard tag. This reusable anti-shoplifting label provides the highest anti-theft protection option for safers and asset protection solutions. The label remains active in a typical point-of-sale environment where it may come in close proximity to deactivators and magnetic detachers.

Retailer Values

- Non-deactivatable format designed to protect safers and other asset protection solutions
- Utilizes the proven Sensormatic AM technology to provide the highest detection performance available
- Works well on liquids, foils and in metal shopping carts
- Robust construction provides optimal merchandise protection

Product Codes

ZLAPX-NDL

Technology

Acousto-Magnetic (AM)

Environmental Constraints

Temperature

Maximum storage temperature not to exceed 50°C (122°F) for 96 hours at 80% RH.

Humidity

Unaffected by 80% humidity at 50°C (122°F), up to 96 hours.

Shelf Life

Two years from date of manufacture when labels are stored between 15°C–32°C (60°F–90°F), 30–80% RH.

Product Compatibility

Sensormatic AM detection and deactivation devices.

Mode of Application

Hand

Dimensions

Color ....Red
Length............................ 45.21mm ± 0.5mm
                          (1.786in ± 0.020in)
Width .... 10.67mm ± 0.5mm
                          (0.420in ± 0.020in)

Label Thickness

(excluding liner) ..Maximum 2.1mm (0.082in)
(including liner) ...Maximum 2.3mm (0.090in)

Labels Per Sheet.....................................108

Sheet Specs

	Sheet
PRODUCT CODE	ZLAPX-NDL
Case Weight	2.85kg (6.28bs)
External Carton Dimensions	27.9 x 20 x 11cm (11 x 8 x 4.5in)
Cases Per Pallet	160
Order Multiple	4000-unit case

Note:
Warranty terms and conditions are as specified in the applicable Sales Agreement.

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.
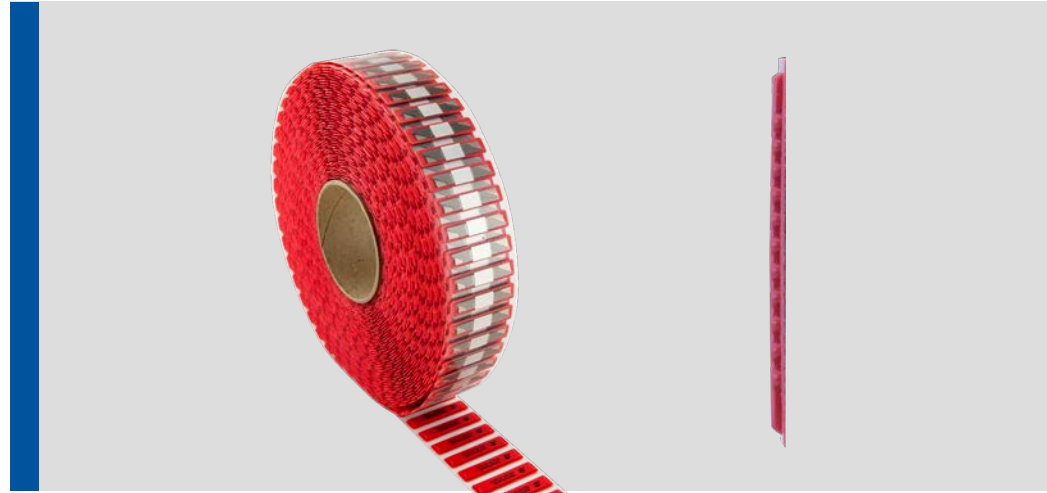
APX Microwavable Roll Label

The APX Microwavable Label offers the highest level of anti-shoplifting protection in the smallest possible footprint. Tagging high shrink merchandise such as high-end meats, fish and shell fish can help reduce shrink and positively impact the retailer's bottom line. This label features a precautionary warning text and is configured for hand application to external product packaging.

Retailer Values

- Configured for hand application to external product packaging
- Designed for food products that will be microwaved
- Utilizes proven Sensormatic AM technology and manufacturing process to provide reliable detection performance
- No detection interference caused by meat or fish products
- Robust construction provides optimal merchandise protection

Product Codes
Small Roll:
ZLAPXM1K43

Technology
Acousto-Magnetic (AM)

Product Compatibility
Sensormatic AM detection and deactivation devices

Environmental Constraints
Temperature
Maximum storage temperature not to exceed 50°C (122°F) for 96 hours at 80% RH.

Humidity
Unaffected by 80% humidity at 50°C (122°F), up to 96 hours.

Shelf Life
Two years from date of manufacture when labels are stored between 15°C-32°C (60°F-90°F), 30-80% RH.

Mode of Application
Small Roll: Hand or Tabletop

Materials of Construction
Plastic Substrate
Polystyrene/Polyethylene 0.254mm (0.010in) thick

Magnetic Acoustic Resonator
Proprietary resonant magnetic material Amorphous alloy based on iron, containing nickel, cobalt, boron and silicon

Laminate
Low Density Polyethylene/Polyester Polyethylene 0.101mm (0.0040in)

Bias
Proprietary semi-hard magnetic material containing iron and nickel

Adhesive
Double-coated, rubber-based adhesive:
- 2.4 mil thick per side
- Minimum peel strength of 2.27kg/5lbs

Release Liner
PET (Polyethylene) film silicone treated 0.0508mm + - 10% thick

Dimensions

Color ....Red
Length........................... 44.60mm ± 0.15mm
(1.76in ± 0.006in)
Width ....10.16mm ± 0.15mm
(0.40in ± 0.006in)

Label Thickness

(excluding liner) Maximum 1.73mm (0.068in)
(including liner) . Maximum 1.78mm (0.070in)

Liner Width .... 48.64mm ± 0.75mm
(1.915in ± 0.030in)
Label Repeat ....14.73mm ± 0.75mm
(0.580in ± 0.030in)

Label to Liner Spacing

....2.0mm ±0.75mm
(0.080in ±0.030in)

Additional Consideration:

The label must be applied to packaging containing meat weighing at least 227 grams (0.5lbs) or greater to be microwavable

Roll Specifications

	Small Roll
PRODUCT CODE	ZLAPXM1K43
Diameter Of Core	76.2mm (3in) core
Max Roll Diameter	240mm (9.45in)
Number Splices	3 splices, 1 leader splice
Roll Weight	0.743kg (1.63lbs)
Case Weight	4.63kg (10.20lbs)
External Carton Dimensions	27.6 x 24.5 x 30.5cm (10.88 x 9.63 x 12in)
External Cubic Ft.per Case	0.73
Roll Size	1,400-unit roll
Rolls per Case	5
Cases per Pallet	48

*Includes 3in core adapter

Note:

Warranty terms and conditions are as specified in the applicable Sales Agreement.

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.

APX Microwavable Roll Label

The APX Microwavable Label offers the highest level of anti-shoplifting protection in the smallest possible footprint. Tagging high shrink merchandise such as high-end meats, fish and shell fish can help reduce shrink and positively impact the retailer's bottom line. This label is designed for high speed application in meat soaker pads, trays and under prime labels for inconspicuous protection.

Retailer Values

- Configured for high speed application, this label is embedded in meatsoaker pads, trays and under prime labels for inconspicuous protection
- Designed for food products that will be microwaved
- Utilizes proven Sensormatic AM technology and manufacturing process to provide reliable detection performance
- No detection interference caused by meat or fish products
- Robust construction provides optimal merchandise protection

Product Codes

- Small Roll: ZLAPXM1K41
- Large Roll: ZLAPXM7K3

Technology

Acousto-Magnetic (AM)

Product Compatibility

Sensormatic AM detection and deactivation devices

Environmental Constraints

Temperature

Maximum storage temperature not to exceed 50°C (122°F) for 96 hours at 80% RH.

Humidity

Unaffected by 80% humidity at 50°C (122°F), up to 96 hours.

Shelf Life
Small Roll

Two years from date of manufacture when labels are stored between 15°C-32°C (60°F-90°F), 30-80% RH.

Large Roll

One year from date of manufacture when labels are stored between 15°C-32°C

Mode of Application

Small Roll: Hand or Tabletop
Large Roll: Automatic

Materials of Construction

Plastic Substrate
Polystyrene/Polyethylene 0.254mm (0.010in) thick

Magnetic Acoustic Resonator

Proprietary resonant magnetic material Amorphous alloy based on iron, containing nickel, cobalt, boron andsilicon

Laminate

Low Density Polyethylene/Polyester Polyethylene 0.101mm (0.0040in)

Bias

Proprietary semi-hard magnetic material containing iron and nickel

Adhesive

Double-coated, rubber-based adhesive:
- 2.4 mil thick per side
- Minimum peel strength of 2.27kg/5lbs

Release Liner

PET (Polyethylene) film silicone treated 0.0508mm + - 10% thick

Dimensions

Color .... White
Length........................... 44.60mm ± 0.15mm
(1.76in ± 0.006in)
Width .... 10.16mm ± 0.15mm
(0.40in ± 0.006in)

Label Thickness

(excluding liner) Maximum 1.73mm (0.068in)
(including liner) . Maximum 1.78mm (0.070in)

Liner Width .... 48.64mm ± 0.75mm
(1.915in ±0.030in)
Label Repeat .... 14.73mm ± 0.75mm
(0.580in ±0.030in)

Label to Liner Spacing

Large .... 2.02mm ± 0.75mm
Small .... ± 2.0mm (0.080in ± 0.030in)

Additional Consideration

The label must be applied to packaging
containing meat weighing at least 227
grams (0.5lbs) or greater to be
microwavable

Note:

Warranty terms and conditions are as
specified in the applicable Sales Agreement.

CE This product is in conformity with RoHS
Directive 2011/65/EU, 2015/863/EU and REACH
regulation as defined in EC No 1907/2006 and
subsequent amendments.

Roll Specifications

	Sheet	Bag
PRODUCT CODE	ZLAPXM1K41	ZLAPXM7K3
Diameter Of Core	76.2mm (3in) core	152.4mm (6in) core*
Max Roll Diameter	240mm (9.45in)	500mm (19.7in)
Number Splices	3 splices, 1 leader splice	5 splices, 1 leader splice
Roll Weight	0.743kg (1.63lbs)	3.376kg (7.44lbs)
Case Weight	4.63kg (10.20lbs)	15.49kg (34.15lbs)
External Carton Dimensions	27.6 x 24.5 x 30.5cm (10.88 x 9.63 x 12in)	51.8 x 51.8 x 25.4cm (20.38 x 20.38 x 10in)
External Cubic Ft. Per Case	0.73	2.4
Roll Size	1,400-unit roll	7,000-unit roll
Rolls Per Case	5	4
Cases Per Pallet	48	16
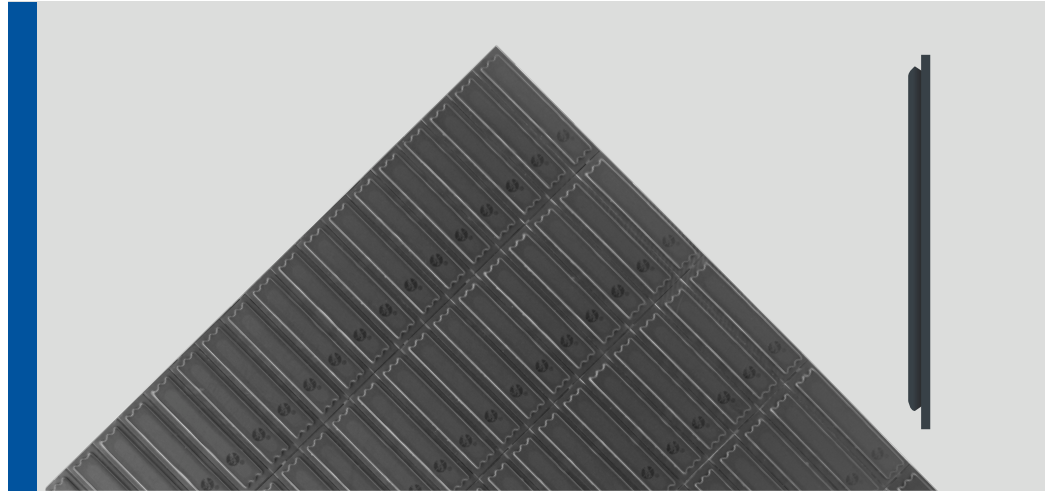
APX Book Label

The APX Book Label provides premier performance and merchandise protection for paperback and/or hardcover books. Intended for manual application, this widely used security label is applied to a book's spine or behind the dust jacket for inconspicuous protection. This application makes the label less prone to tampering or removal, helping to reduce lost sales due to theft.

Retailer Values

- Utilizes proven Sensormatic AM technology and manufacturing process to provide the highest in detection performance
- Quality materials and precision manufacturing help deliver consistent deactivation at the POS
- Small label footprint minimizes impact on brand promotion and important product information
- Robust construction provides optimal merchandise protection

Product Codes

ZLAPXSLT5

Technology

Acousto-Magnetic (AM)

Product Compatibility

Sensormatic AM detection and deactivation devices.

Environmental Constraints

Temperature
Maximum storage temperature not to exceed 50°C (122°F) for 96 hours at 80% RH.

Humidity
Unaffected by 80% humidity at 50°C (122°F), up to 96 hours.

Shelf Life
Two years from date of manufacture when labels are stored between 15°C-32°C (60°F-90°F), 30-80% RH.

Mode of Application

Hand

Materials of Construction

Plastic Substrate Polystyrene/Polyethylene 0.254mm (0.010in) thickness

Magnetic Acoustic Resonator Proprietary resonant magnetic material Amorphous alloy based on iron, containing nickel, cobalt, boron and silicon

Laminate

Low Density Polyethylene/Polyester 0.101mm (0.004in)

Bias

Proprietary semi-hard magnetic material containing iron and nickel

Adhesive

Self-wound tape with removable adhesive

Dimensions

Color ....Black
Length............................ 45.21mm ± 0.5mm
(1.78in ± 0.020in)
Width .... 10.67mm ± 0.5mm
(0.420in ± 0.020in)

Label Thickness

(excluding liner) Maximum 1.89mm (0.074in)
(including liner) Maximum 2.00mm (0.079in)

Labels Per Sheet.....................................108

Sheet Specs

	Sheet
PRODUCT CODE	ZLAPXSLT5
Case Weight	2.638kg (5.82lbs)
Per Case	27.9 x 20 x 10.6cm (11 x 8 x 4.2in)
Cases Per Pallet	144
Order Multiple	5,000-unit case

Note:
Warranty terms and conditions are as specified in the applicable Sales Agreement.

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.
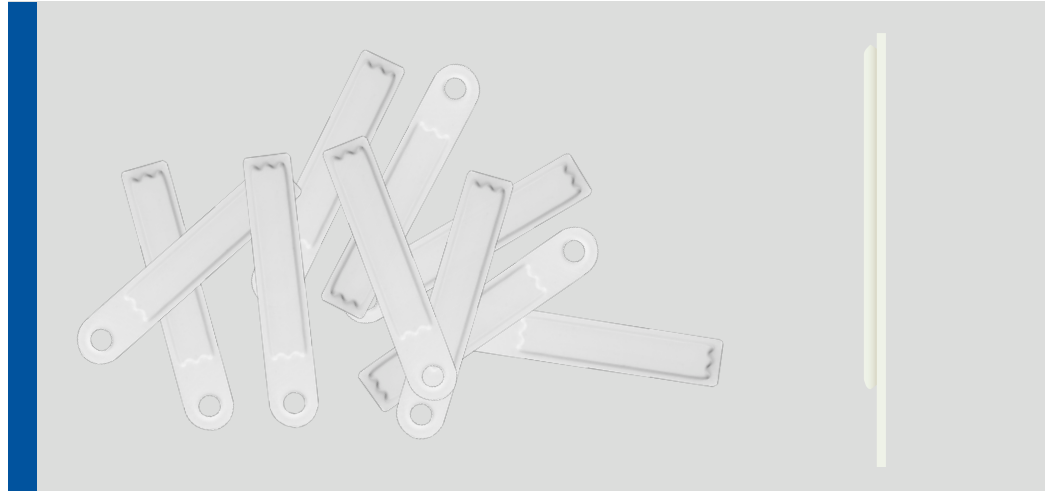
APX Hang Label

The APX Hang Label offers the highest level of anti-shoplifting protection in the smallest possible footprint for accessory items such as costume jewelry, watches and sunglasses. The label attaches to merchandise via a plastic or string lanyard supplied by the retailer or manufacturer. It can be used once or multiple times. The label format is intended for source tagging accessory items.

Retailer Values
· Designed to protect high-theft accessories
· Utilizes proven Sensormatic AM technology and manufacturing process to provide the highest in detection performance
· Small label footprint minimizes impact on brand promotion and important product information
· Reactivatable for unlimited reuse
· Works well on liquids, foils and in metal shopping carts
· Robust construction provides optimal merchandise protection

Product Codes
ZLAPXHT1

Technology
Acousto-Magnetic (AM)

Product Compatibility
Sensormatic AM detection and deactivation devices

Environmental Constraints
Temperature
Maximum storage temperature not to exceed 50°C (122°F) for 96 hours at 80% RH.

Humidity
Unaffected by 80% humidity at 50°C (122°F), up to 96 hours.

Shelf Life
Two years from date of manufacture when labels are stored between 15°C-32°C (60°F-90°F), 30-80% RH.

Mode of Application
Hand

Materials of Construction
Plastic Substrate
Polystyrene/Polyethylene 0.254mm (0.010in) thick

Magnetic Acoustic Resonator
Proprietary resonant magnetic material Amorphous alloy based on iron, containing nickel, cobalt, boron and silicon

Laminate
Low Density Polyethylene/Polyester Polyethylene 0.101mm (0.004in)

Bias
Proprietary semi-hard magnetic material containing iron and nickel

Adhesive
Double-coated, rubber-based adhesive:
· 2.4 mil thick per side
· Minimum peel strength o f2.27kg/5lbs

Release Liner
Double-sided, silicon-coated 80lb. bleached Kraft liner 0.114mm (0.0045in) thick.

Dimensions
Color .... White
Length..... 58mm ± 0.5mm (2.28in ± 0.020in)
Width ....10mm ± 0.5mm (0.394in ± 0.020in)

Length Thickness
(including liner). ..Maximum 2.0mm (0.078in)

Labels per Bag 100

Bag Specifications

	APX Hang Label
PRODUCT CODE	ZLAPXHT1
Case Weight	0.68kg (1.49lbs)
External Carton Dimensions	279 x 202 x 95mm (10.9 x 7.95 x 3.74in)
External Cubic Ft. Per Case	0.19
Internal Carton Dimensions	275 x 197 x 90mm (10.83 x 7.76 x 3.54in)
Internal Cubic Ft. Per Case	0.17
Cases Per Pallet	144
Order Multiple	1,000-unit case (10 bags of 100 labels each)

Note:

Warranty terms and conditions are as specified in the applicable Sales Agreement.

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.

APX Indvidual Sheet Label

The Advanced Performance Xtreme (APX) Sheet Label delivers top-of-the-line performance and superior merchandise protection using proven Sensormatic technology.

The APX Individual Sheet Label is a permanent source tagged label intended for manual application directly to the product or product packaging. This label is not designed to be "dropped" into product or product packaging.

Retailer Values

· Permanent source tag label is manually applied to product/product packaging
· Utilizes proven Sensormatic AM technology and manufacturing process to provide reliable detection performance
· Quality materials and precision manufacturing help deliver consistent deactivation at the POS
· Small label footprint minimizes impact on brand promotion and important product information
· Robust construction provides optimal merchandise protection

Product Codes

ZLAPXSING1

Technology

Acousto-Magnetic (AM)

Product Compatibility

Sensormatic AM detection and deactivation devices.

Environmental Constraints

Temperature
Maximum storage temperature not to exceed 50°C (122°F) for 96 hours at 80% RH.

Humidity
Unaffected by 80% humidity at 50°C (122°F), up to 96 hours.

Shelf Life
Two years from date of manufacture when labels are stored between 15°C–32°C (60°F–90°F), 30-80% RH.

Mode of Application

Hand

Materials of Construction

Plastic Substrate Polystyrene/Polyethylene 0.254mm (0.010in) thickness

Magnetic Acoustic Resonator Proprietary resonant magnetic material Amorphous alloy based on iron, containing nickel, cobalt, boron and silicon

Laminate

Low Density Polyethylene/Polyester 0.101mm (0.004in)

Bias

Proprietary semi-hard magnetic material containing iron and nickel

Adhesive

Self-wound tape with removable adhesive

Dimensions

Color .... White
Length............................ 45.21mm ± 0.5mm
(1.78in ± 0.020in)
Width .... 10.67mm ± 0.5mm
(0.420in ± 0.020in)

Label Thickness

(excluding liner) Maximum 1.89mm (0.074in)
(including liner) Maximum 2.00mm (0.079in)

Labels Per Sheet 54

Sheet Specs

	Sheet
PRODUCT CODE	ZLAPXSING1
Case Weight	2.372kg (5.23lbs)
External Carton Dimensions	27.9 x 20 x 10.6cm (11 x 8 x 2in)
External Cubic Ft. Per Case	0.21
Cases Per Pallet	144
Order Multiple	5,000-unit case

Note:
Warranty terms and conditions are as specified in the applicable Sales Agreement.

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.

APX Insertable Label

The APX Insertable Label deliver stop-of-the- line performance and superior merchandise protection using proven Sensormatic AM technology. This AM EAS label provides exceptional range, sensitivity, tamper- resistance, consistent deactivation at the point-of-sale (POS) with virtually nonuiance alarms detected at the exit. The APX Insertable label is designed to be inserted into plastic shrink wrapped packaging such as skin care and perfume boxes. It should not be inserted into products intended for children's use. The design is intended for hand application.

Retailer Values

- Ideal for skin care and perfume boxes or other plastic shrink wrapped packages
- Utilizes proven Sensormatic AM technology and manufacturing process to provide the highest in detection performance
- Quality materials and precision manufacturing help deliver consistent deactivation at the POS
- Reactivatable for unlimited reuse
- Works well on liquids, foils and in metal shopping carts
- Robust construction provides optimal merchandise protection

Product Codes

ZLAPXCl5K2

Technology

Acousto-Magnetic (AM)

Product Compatibility

Sensormatic AM detection and deactivation devices

Environmental Constraints

Temperature

Maximum storage temperature not to exceed 50°C (122°F) for 96 hours at 80% RH.

Humidity

Unaffected by 80% humidity at 50°C (122°F), up to 96 hours.

Shelf Life

Two years from date of manufacture when labels are stored between 15°C-32°C (60°F-90°F), 30-80% RH.

Mode of Application

Hand

Materials of Construction

Plastic Substrate

Polystyrene/Polyethylene 0.254mm (0.010in) thick

Magnetic Acoustic Resonator Proprietary resonant magnetic material Amorphous alloy based on iron, containing nickel, cobalt, boron and silicon

Laminate

Low Density Polyethylene/Polyester Polyethylene 0.101mm (0.004in)

Ridged Point

Acetal
0.39 - 0.40mm (0.015 -0.0155 in)

Bias

Proprietary semi-hard magnetic material containing iron and nickel

Dimensions

Color ....White with barcode
Length..................................52mm ± 0.5mm
(2.04in ± 0.019in)
Width ....10.85mm ± 0.5mm
(0.425in ± 0.020in)

Labels Per Bag 1,000

Specifications

	APX Insertable Label
PRODUCT CODE	ZLAPXCl5K2
Case Weight	4.01kg (8.84lbs)
External Carton Dimensions	279 x 202 x 207mm (10.98 x 7.95 x 8.15in)
External Cubic Ft.Per Case	0.41
Internal Carton Dimensions	275 x 197 x 202mm (10.83 x 7.76 x 7.95in)
Internal Cubic Ft.Per Case	0.39
Cases Per Pallet	80
Order Multiple	5,000-unit case (5 bags of 1,000 labels per case)

Additional Consideration
· Product is for the European market only. Not for use in the USA
· Placement of labels is to be in accordance with the Product Usage Guidelines located in each box

Note:
Warranty terms and conditions are as specified in the applicable Sales Agreement.

$C\epsilon$ This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.

AP Roll Label

The Advanced Performance (AP) Roll Label delivers reliable performance and merchandise protection using proven Sensormatic technology. This AM EAS label features a robust design for consistent deactivation at the point-of-sale (POS) and reliable performance, even when exposed to environmental stressors including shipping and handling. This label design is for automatic application to merchandise at the point of manufacturing so retailers can receive floor-ready merchandise with consistent label placement, expediting receiving and selling floor fulfillment.

Retailer Values

- Utilizes proven Sensormatic AM technology and manufacturing process to provide reliable detetion performance
- Applied at the source allows merchandise to arrive tagged and shelf ready, moving faster from receiving to sales floor
- Better label adhesion ensures durability and longevity on merchandise during shipping, storage and handling
- Permits open merchandising while still combatting theft

- Quality materials and precision manufacturing help deliver consistent deactivation at the POS
- Small label footprint minimizes impact on brand promotion andimportant product information
- Works well when placed on liquids, foils and in metal shopping carts
- Reactivatable for unlimited reuse

Product Codes

- Small Roll: ZLAP2K1: White
- Large Roll: ZLAP85K1: White

Technology

Acousto-Magnetic (AM)

Product Compatibility

Sensormatic AM detection and deactivation devices.

Environmental Constraints

Temperature
Maximum storage temperature not to exceed 50°C (122°F) for 96 hours at 80% RH.

Humidity
Unaffected by 80% humidity at 50°C (122°F), up to 96 hours.

Shelf Life
Small Roll
Two years from date of manufacture when labels are stored between 15°C–32°C (60°F–90°F), 30-80% RH.

Large Roll:
One year from date of manufacture when labels are stored between 15°C–32°C (60°F–90°F), 30-80%RH.

Mode of Application

Small Roll: Hand or Tabletop
Large Roll: Automatic

Materials of Construction

Plastic Substrate
Polystyrene/Polyethylene 0.254mm (0.010in) thick

Magnetic Acoustic Resonator
Proprietary resonant magnetic material. Amorphous alloy based on iron, containing nickel, cobalt, boron andsilicon

Laminate
Low Density Polyethylene/Polyester Polyethylene 0.101mm (0.0040in)

Bias
Proprietary semi-hard magnetic material containing iron and nickel

Adhesive
Double-coated, rubber-based adhesive:
- 2.4mil thick per side
- Minimum peel strength of 2.27kg/5lbs

Release Liner
PET (Polyethylene) film silicone treated 0.0508mm + - 10% thick

Dimensions
Color .... White
Length . 44.6mm ± 0.15mm (1.76in ± 0.006in)
Width 10.16mm ± 0.15mm (0.40in ± 0.006in)

Label Thickness
(excluding liner) .... Maximum 0.32mm (0.052in)
(including liner) .... Maximum 1.37mm (0.054in)

Liner Width .... 48.64mm ± 0.75mm (1.915in ± 0.030in)
Label Repeat .... 14.73mm ± 0.75mm (0.580in ± 0.030in)

Label to Liner Spacing
Large .... 02mm ± 0.75mm
Small .... ± 2.0mm (0.080in ± 0.030in)

Note:
Warranty terms and conditions are as specified in the applicable Sales Agreement.

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.

Roll Specifications

	Small Roll	Large Roll
PRODUCT CODE	ZLAP2K1	ZLAP85K1
Diameter Of Core	76.2mm (3in) core	152.4mm (6in) core*
Max Roll Diameter	230mm (9.05in)	470mm (18.5in)
Number Splices	3 splices, 1 leader splice	5 splices, 1 leader splice
Roll Weight	0.78kg (1.71lbs)	3.40kg (7.62lbs)
Case Weight	4.72kg (10.40lbs)	15.42kg (33.92lbs)
External Carton Dimensions	27.6 x 24.5 x 30.5cm (10.88 x 9.63 x 12in)	51.8 x 51.8 x 25.4cm (20.38 x 20.38 x 10in)
External Cubic Ft. Per Case	0.73	2.4
Roll Size	2,000-unit roll	8,500-unit roll
Rolls Per Case	5	4
Cases Per Pallet	45	16

*Includes 3in core adapter
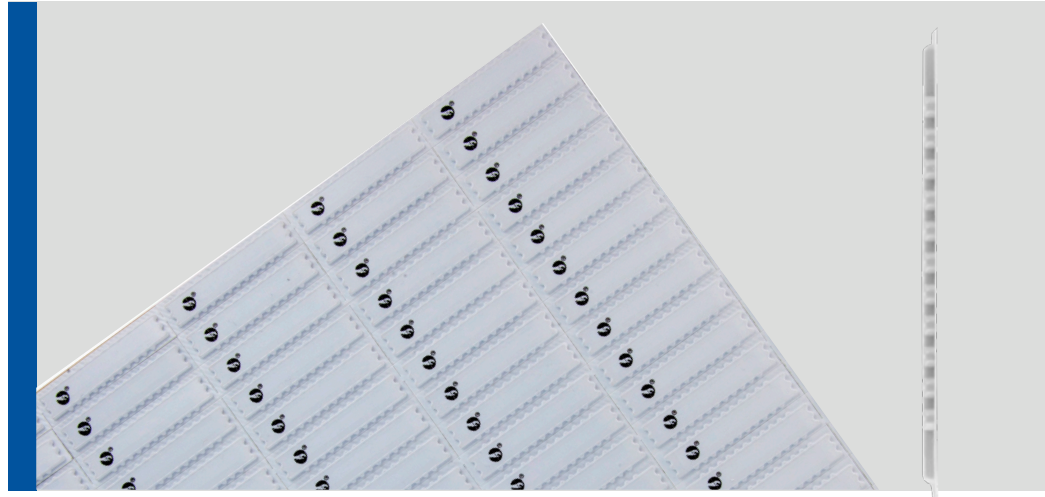
AP Sheet Label

The Advanced Performance (AP) Sheet Label delivers reliable performanceand merchandise protection using proven Sensormatic technology. This AM EAS label features a robust design for consistent deactivation at the point-of-sale (POS) and reliable performance, even when exposed to environmental stressers including shipping and handling.

Available for in-store hand application, this label can also be applied to merchandise at the point of manufacture so retailers can receive floor-ready merchandise with consistent label placement-expediting receiving and selling floor fulfillment.

Retailer Values
- Utilizes proven Sensormatic AM technology and manufacturing process to provide reliable detection performance
- Quality materials and precision manufacturing help deliver consistent deactivation at the POS
- Small label footprint minimizes impact on brand promotion and important product information
- Robust construction provides optimal merchandise protection
- Works well on liquids, foils and in metal shopping carts
- Reactivatable for unlimited reuse

Product Codes
- ZLAPS1: White
- ZLAPS2: Mock Barcode
- ZLAPS5: Black

Technology
Acousto-Magnetic (AM)

Product Compatibility
Sensormatic AM detection and deactivation devices.

Environmental Constraints
Temperature
Maximum storage temperature not to exceed 50°C (122° F) for 96 hours at 80% RH.

Humidity
Unaffected by 80% humidity at 50°C (122°F), up to 96 hours.

Shelf Life
Two years from date of manufacture when labels are stored between 15°C-32°C (60°F-90°F), 30-80% RH.

Mode of Application
Hand

Materials of Construction
Plastic Substrate
Polystyrene/Polyethylene 0.254mm (0.010in) thick.

Magnetic Acoustic Resonator
Proprietary resonant magnetic material. Amorphous alloy based on iron, containing nickel, cobalt, boron and silicon

Laminate
Low Density Polyethylene/Polyester Polyethylene 0.101mm (0.0040in)

Bias
Proprietary semi-hard magnetic material containing iron and nickel

Adhesive
Double-coated, rubber-based adhesive:
- 2.4mil thick per side
- Minimum peel strength of 2.27kg/5lbs

Release Liner
Double-sided, silicon-coated 80 lb. bleached Kraft liner 0.114mm

Dimensions

Color ....White, Mock barcode, Black
Length.45.21mm ± 0.5mm (1.78in ± 0.020in)
Width10.67mm ± 0.5mm (0.420in ± 0.020in)

Label Thickness

(excluding liner) .... Maximum .89mm
(0.074in)
(including liner) Maximum 2.00mm (0.079in)

Labels Per Sheet 108

Additional Consideration

This label is not recommended for use with
the Sensormatic Contact Pad deactivator.

Note:

Warranty terms and conditions are as
specified in the applicable Sales Agreement.

CE This product is in conformity with RoHS
Directive 2011/65/EU, 2015/863/EU and REACH
regulation as defined in EC No 1907/2006 and
subsequent amendments.

Sheet Specs

	Sheet
PRODUCT CODE	ZLAPS1, ZLAPS2
Case Weight	2.205kg (4.86lbs)
External Carton Dimensions	27.9 x 20 x 11cm (11 x 8 x 4.5in)
External Cubic Ft. Per Case	0.23
Cases Per Pallet	160
Order Multiple	5,000-unit case

AP Singular Label

The Advanced Performance (AP) Singular Label delivers reliable performance and merchandise protection using proven Sensormatic technology. This AM EAS label features a robust design for consistent deactivation at the point-of- sale (POS) and reliable performance, even when exposed to environmental stressers including shipping and handling. Ideal for drop-in applications such as handbags or wallets, this singular label can also be sourced at the point of manufacturing so retailers can receive floor-ready merchandise with consistent label placement-expediting receiving and selling floor fulfillment.

Retailer Values

- Utilizes proven Sensormatic AM technology and manufacturing process to provide reliable detection performance
- Quality materials and precision manufacturing help deliver consistent deactivation at the POS
- Robust construction provides optimal merchandise protection
- Reactivatable for unlimitedreuse

Product Codes

ZLAPSING1: White

Technology

Acousto-Magnetic (AM)

Product Compatibility

Sensormatic AM detection and deactivation devices.

Environmental Constraints

Temperature
Maximum storage temperature not to exceed 50°C (122° F) for 96 hours at 80% RH.

Humidity
Unaffected by 80% humidity at 50°C (122°F), up to 96 hours.

Shelf Life
Two years from date of manufacture when labels are stored between 15°C – 32°C (60°F–90°F), 30-80% RH.

Mode of Application

Hand

Materials of Construction

Plastic Substrate
Polystyrene/Polyethylene 0.254mm (0.010in) thick.

Magnetic Acoustic Resonator
Proprietary resonant magnetic material. Amorphous alloy based on iron, containing nickel, cobalt, boron and silicon

Laminate
Low Density Polyethylene/Polyester Polyethylene 0.101mm (0.0040in)

Bias
Proprietary semi-hard magnetic material containing iron and nickel

Adhesive
Double-coated, rubber-based adhesive:
- 2.4mil thick perside
- Minimum peel strength of2.27kg/5lbs

Release Liner
Double-sided, silicon-coated 80 lb. bleached Kraft liner 0.114mm

Dimensions

Color .... White
Length............................. 45.21mm ± 0.5mm
(1.78in ± 0.020in)
Width .... 10.67mm ± 0.5mm
(0.420in ± 0.020in)

Label Thickness

(excluding liner) .... Maximum .89mm
(0.074in)
(including liner) .... Maximum 2.00mm
(0.079in)

Labels Per Bag 1,000

Note:

Warranty terms and conditions are as specified in the applicable Sales Agreement.

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.

Case Specs

	Singular
PRODUCT CODE	ZLAPSING1
Case Weight	2.372kg (5.23lbs)
External Carton Dimensions	27.5 x 19.7 x 19.7cm (10.82 x 7.75 x 7.75in)
External Cubic Ft. Per Case	0.37
Cases Per Pallet	80
Order Multiple	5,000-unit case (5 bags of 1,000 labels per case)

Value Performance Label (VPL)
Sheet Format

The Value Performance Label (VPL) delivers reliable performance and merchandise protection using proven Sensormatic technology. This AM EAS label is designed for consistent deactivation at the point-of-sale (POS) and reliable performance, even when exposed to environmental stressers including shipping and handling. Available for in-store hand application, this label can also be applied to merchandise at the point of manufacturing so retailers can receive floor-ready merchandise with consistent label placement to help expedite receiving and selling floor fulfillment.

Retailer Values
- Utilizes proven Sensormatic AM technology and manufacturing process to provide reliable detection performance
- Helps deliver consistent deactivation at the POS with quality materials and precision manufacturing
- Minimizes impact on brand promotion and important product information
- Features robust construction for reliable merchandise protection
- Works well on liquids, foils and in metal shopping carts
- Reactivatable for unlimited reuse

Product Codes
- ZLVPLS1: White
- ZLVPLS2: Mock Barcode
- ZLVPLS5: Black

Technology
Acousto-Magnetic (AM)

Product Compatibility
Sensormatic AM detection and deactivation devices.

Environmental Constraints
Temperature
Maximum storage temperature not to exceed 50°C (122°F) for 96 hours at 80% RH.

Humidity
Unaffected by 80% humidity at 50°C (122°F), up to 96 hours.

Shelf Life
Two years from date of manufacture when labels are stored between 15°C – 32°C (60°F-90°F), 30-80% RH.

Mode of Application
Hand

Materials of Construction
Plastic Substrate
Polystyrene/Polyethylene 0.254mm (0.010in) thick.

Magnetic Acoustic Resonator
Proprietary resonant magnetic material. Amorphous alloy based on iron, containing nickel, cobalt, boron and silicon

Laminate
Low Density Polyethylene/Polyester 0.101mm (0.0040in)

Bias
Proprietary semi-hard magnetic material containing iron and nickel

Adhesive
Double-coated, rubber-based adhesive:
- 2.4 mil thick perside
- Minimum peel strength of 2.27kg/5lbs

Release Liner
Double-sided, silicon-coated 80lb bleached Kraft liner 0.114mm (0.0045in) thick

Dimensions

Color ....White, Mock Barcode and Black
Length............................ 45.21mm ± 0.5mm
(1.78in ± 0.020in)
Width .... 10.67mm ± 0.5mm
(0.420in ± 0.020in)

Label Thickness
(excluding liner) ....Maximum 1.89mm
(0.074in)
(including liner) .... Maximum 2.00mm
(0.079in)

Labels Per Sheet 108

Note:

Warranty terms and conditions are as
specified in the applicable Sales Agreement.

CE This product is in conformity with RoHS
Directive 2011/65/EU, 2015/863/EU and REACH
regulation as defined in EC No 1907/2006 and
subsequent amendments.

Sheet Specs

	Sheet
PRODUCT CODE	ZLVPLS1, ZLVPLS2
Case Weight	2.76kg (6.07lbs)
External Carton Dimensions	27.9 x 20 x 11cm (11 x 8 x 4.5in)
External Cubic Ft. Per Case	0.23
Cases Per Pallet	255
Order Multiple	5,000-unit case
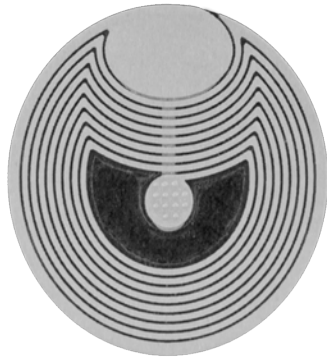
RF 33mm Round Roll Label

The RF 33mm round label delivers dependable performance and merchandise protection using RF technology. The label's small footprint minimizes impact on brand promotion and important product information, allowing application on virtually any package size.

This label is designed for automatic application at the point of manufacturing. When applied to merchandise at the point of manufacturing, retailers receive floor-ready merchandise with consistent label placement to expedite receiving and selling floor fulfillment.

Retailer Values

- Provides visual deterrence while minimizing impact on brand promotion and important product information
- Protects merchandise by tagging at the point of manufacturing so merchandise arrives shelf-ready
- Permits open merchandising while still combatting theft

Product Codes

- Small Roll: XL33R-CLR2KLU2 - Clear
- Large Roll: XL33R-CLR8KLU - Clear

Technology
Radio Frequency (RF)

Environmental Constraints
Temperature
12°-25°C (54°-77°F)

Humidity
55% maximum

Shelf Life
Small and Large Rolls
Two years from date of manufacture when labels are stored between 12°-25°C (54°-77°F).

Mode of Application
Small Roll: Hand or Tabletop
Large Roll: Automatic

Materials of Construction
70μm AL+8μm CPP+10μmAL

Hot Melt Adhesive
934E Henkel

Dimensions
Color ....Clear
Diameter ....33mm ± 0.5mm
(1.30in ± 0.0197in)
Thickness ....0.20mm ± 0.015mm
(0.0078in ± 0.0006in)
Liner Width .... 35.5mm ± 1.0mm
(1.40in ± 0.0394in)

Label to Liner Spacing
....2.9mm ± 0.5mm
(0.114in ± 0.0197)

Note:
Warranty terms and conditions are as specified in the applicable Sales Agreement.

$C\epsilon$ This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.

Roll Specifications

	Small Roll	Large Roll
PRODUCT CODE	XL30R-CLR2KLU2	XL30R-CLR8KLU
Diameter Of Core	76mm (2.9in) core	76mm (2.9in) core
Max Roll Diameter	171mm (6.73in)	171mm (6.73in)
Number Splices	10 maximum	10 maximum
Roll Weight	0.067kg (1.477lbs)	2.50kg (5.511lbs)
Case Weight (gross)	7.45kg (16.42lbs)	13.70kg (30.195lbs)
External Carton Dimensions	40 x 21 x 24cm (17.32 x 8.26 x 9.44in)	33 x 33 x 21cm (12.99 x 12.99 x 8.26in)
External Cubic Ft. Per Case	0.653	0.808
Labels per Roll	2,000	8,000
Rolls per Case	10	5
Cases per Pallet	50	54

RF 30x30mm Roll Label

The RF 30x30mm label delivers dependable performance and merchandise protection using RF technology. The label's small foot-print minimizes impact on brand promotion and important product information, allowing application on virtually any package size. This label is available in two sizes. The small rolls are designed for hand and tabletop application and the large roll is for auto-matic application at the point of manufac-turing. When applied to merchandise at the point of manufacturing, retailers receive floor-ready merchandise with consistent label placement to expedite receiving and selling floor fulfillment.

Retailer Values

- Provides visual deterrence while mini-mizing impact on brand promotion and important product information
- Protects merchandise by tagging at the point of manufacturing so merchandise arrives shelf-ready
- Permits open merchandising while still combatting theft

Product Codes

Small Roll
- XL30-DPW2KLU2: White
- XL30-DBC2KLU2: Mock Barcode

Large Roll
- XL30-DPW8KLU: White

Technology

Radio Frequency (RF)

Environmental Constraints

Temperature
12°-25°C (54°-77°F)

Humidity
55% maximum

Shelf Life
Small and Large Rolls
Two years from date of manufacture when labels are stored between 12°-25°C (54°-77°F).

Mode of Application

Small Roll: Hand or Tabletop
Large Roll: Automatic

Materials of Construction

Small & Large Rolls
70µm AL+8µm CPP+10µm AL
Hot Melt Adhesive
934E Henkel

Dimensions

Color .... White, Mock Barcode
Length ....30mm ± 0.5mm
(1.18in ± 0.0197in)
Width ....30mm ± 0.5mm
(1.18in ± 0.0197in)
Thickness .... 0.19mm ± 0.015mm
(0.007in ± 0.0006in)
Liner Width ....34mm ± 1.0mm
(1.34in ± 0.0394in)

Label to Liner Spacing
....2.mm ± 0.5mm
(0.079in ± 0.0197)

Note:

Warranty terms and conditions are as specified in the applicable Sales Agreement.

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.

Roll Specifications

	Small Roll	Large Roll		Small Roll	Large Roll
PRODUCT CODE	XL30-DPW2KLU2 XL30-DBC2KLU2	XL30-DPW8KLU	PRODUCT CODE	XL30-DPW2KLU2 XL30-DBC2KLU2	XL30-DPW8KLU
Diameter Of Core	76mm (2.9) core	152.4mm (6.0) core	External Carton Dimensions	40 x 21 x 24cm (15.74 x 8.26 x 9.44in)	36 x 36 x 21cm (14.17 x 14.17 x 8.26in)
Max Roll Diameter	171mm (6.73in)	345mm (13.58in)	External Cubic Ft. per Case	0.70	.96
Number Splices	10 maximum	10 maximum	Labels per Roll	2,000	8,000
Roll Weight	0.67kg (1.47lbs)	2.77kg (6.11lbs)	Rolls per Case	10	5
Case Weight (gross)	7.45kg (16.42lbs)	14.85kg (32.73lbs)	Cases per Pallet	50	54

RF 40x40mm Roll Label

The RF 40x40mm label delivers dependable performance and merchandise protection using RF technology. The label's small foot-print minimizes impact on brand promotion and important product information, allowing application on virtually any package size.

This label is available in two sizes. The small rolls are designed for hand and tabletop application and the large rolls are for auto-matic application at the point of manufac-turing. When applied to merchandise at the point of manufacturing, retailers receive floor-ready merchandise with consistent label placement to expedite receiving and selling floor fulfillment.

Retailer Values
- Provides visual deterrence while mini-mizing impact on brand promotion and important product information
- Protects merchandise by tagging at the point of manufacturing so merchandise arrives shelf-ready
- Permits open merchandising while still combatting theft

Product Codes
Small Roll
- XL40-DPW2KLU2: White
- XL40-DBC2KLU2: Mock Barcode

Large Roll
- XL40-DPW8KLU: White

Technology
Radio Frequency (RF)

Environmental Constraints
Temperature
12°-25°C (54°-77°F)

Humidity
55% maximum

Shelf Life
Small and Large Rolls:
Two years from date of manufacture when labels are stored between 12°-25°C (54°-77°F).

Mode of Application
Small Roll
Hand or Tabletop
Large Roll
Automatic

Materials of Construction
Small & Large Rolls
70µm AL+15µm CPP+10µm AL

Hot Melt Adhesive
934E Henkel

Dimensions
Color ....White, Mock Barcode
Length.................................40mm ± 0.5mm
(1.57in ± 0.0197in)
Width...................................40mm ± 0.5mm
(1.57in ± 0.0197in)
Thickness.....................0.20mm ± 0.015mm
(0.0078in ± 0.0006in)
Liner Width.........................43mm ± 1.0mm
(1.69in ± 0.0394in)

Label to Liner Spacing
3.mm ±0.5mm (0.12in ± 0.0197)

Note:
Warranty terms and conditions are as specified in the applicable Sales Agreement.

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.

Roll Specifications

	Small Roll	Large Roll		Small Roll	Large Roll
PRODUCT CODE	XL40-DPW2KLU2 XL40-DBC2KLU2	XL40-DPW8KLU	PRODUCT CODE	XL40-DPW2KLU2 XL40-DBC2KLU2	XL40-DPW8KLU
Diameter Of Core	76mm (2.9) core	76mm (2.9) core	External Carton Dimensions	48 x 21 x 22cm (18.89 x 8.26 x 8.66in)	39 x 39 x 26cm (15.35 x 15.35 x 10.23in)
Max Roll Diameter	185mm (7.28in)	360mm (14.16in)	External Cubic Ft. Per Case	0.78	1.22
Number Splices	10 maximum	10 maximum	Labels per Roll	2,000	8,000
Roll Weight	1.09kg (4.40lbs)	3.89kg (8.582lbs)	Rolls Per Case	10	5
Case Weight (gross)	11.63kg (25.64lbs)	20.45kg (45.06lbs)	Cases Per Pallet	50	30

RF 44x24mm Roll Label

The RF 44x24mm label delivers dependable performance and merchandise protection using Radio Frequency (RF) technology. The printed copy on the face of the label is designed to visually inform potential thieves that items are protected by a security label and that carrying protected merchandise through the detection zone will alarm the pedestal system.

The label's small footprint minimizes impact on brand promotion and important product information, allowing application on virtually any package size.

Available for in-store hand application, this label can also be applied to merchandise at the point of manufacturing. This allows retailers to receive floor-ready merchandise with consistent label placement to help expedite receiving and selling floor fulfillment.

Retailer Values

- Provides visual deterrence while minimizing impact on brand promotion and important product information
- Protects merchandise by tagging at the point of manufacturing so merchandise arrives shelf-ready
- Permits open merchandising while still combatting theft

Product Codes

XL4424-DCP2KAL: White; Custom Print Technology
RF (8.2MHz +/- 5%)

Product Compatibility

Sensormatic RF detection and deactivation devices.

Environmental Constraints

Temperature
12°-25°C (54°-77°F)

Humidity
55% maximum

Shelf Life
Two years from date of manufacture when labels are stored between 12°-25°C (54°-77°F).

Mode of Application

Hand or Tabletop

Materials of Construction

Small Roll
70µm AL+15µm CPP+10µm AL

Hot Melt Adhesive
934E Henkel

Dimensions

Color .... White, Custom Print
Length .... 24mm ± 0.5mm
(0.94in ± 0.0197in)
Width .... 44mm ± 0.5mm
(1.73in ± 0.0197in)
Thickness .... 0.20mm ± 0.015mmm
(0.0078in ± 0.0006in)
Liner Width .... 48mm ± 1.0mm
(1.89in ± 0.0394in)
Liner to Liner Spacing .... 3mm ± 0.5mm
(0.12in ± 0.0197)

Note:

Warranty terms and conditions are as specified in the applicable Sales Agreement.

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.

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Roll Specifications

	Small Roll		Small Roll
PRODUCT CODE	XL4424-DCP2KAL	PRODUCT CODE	XL4424-DCP2KAL
Diameter of Core	76mm (3in) core	External Carton Dimensions	44 x 23 x 16cm (17.32 x 9.06 x 6.30in)
Max Roll Diameter	150mm (5.91in)	External Cubic Ft. Per Case	0.60
Number Splices	6 maximum	Labels per Roll	2,000
Roll Weight	0.77kg (1.69lbs)	Rolls Per Case	10
Case Weight (gross)	8.45kg (18.64lbs)	Cases Per Pallet	80

RF Food Label

The RF Food label delivers dependable performance and merchandise protection for high value foods such as meat, small-goods, and seafood increasingly targeted by thieves. This label helps food retailers to improve on-shelf availability and increase sales.

Hidden under the price weigh label, if undeactivated protected merchandise goes through an RF electronic article surveillance (EAS) pedestal it will activate the alarm and alert personnel of an attempted theft. The label is food safe so there is no concern about whether it will damage food product. Available for in-store hand application, the RF Food Label can also be applied to merchandise at the point of manufacturing. This allows retailers to receive floor-ready merchandise with consistent label place-ment to help expedite receiving and selling floor fulfillment.

Retailer Values

- Provides dependable protection enabling food retailers to improve on-shelf avail-ability and increase sales
- Protects merchandise by tagging at the point of manufacturing so merchandise arrives shelf-ready
- Permits open merchandising while combatting theft
- Microwave (SGS) Certified
- Indirect Food Contact (ISEGA) Certified

Product Codes

- XL40FL-CLR1KAL: Small Roll
- XL40FL-CLR4KAL: Large Roll

Technology

RF (8.2MHz +/- 5%)

Product Compatibility

Sensormatic RF detection and deactivation devices.

Certifications

Microwave (SGS)
Indirect Food Contact (ISEGA)

Environmental Constraints

Temperature
18°-30°C (64°-86°F)

Humidity
55% maximum

Shelf Life
Two years from date of manufacture when labels are stored between 18°-30°C (64°-86°F).

Mode of Application

Small Roll:
Hand or Tabletop
Large Roll:
Automatic

Materials of Construction

50µm AL+13µm CPP+10µm AL
Hot Melt Adhesive
H4185-adv Bostik

Dimensions

Color .... Clear
Length................................. 40mm ± 0.5mm
(1.57in ± 0.0197in)

Width .... 40mm ± 0.5mm
(1.57in ± 0.0197in)

Thickness .... 0.20mm ± 0.015mmm
(0.0078in ± 0.0006in)

Liner Width .... 42mm ± 1.0mm
(1.65in ± 0.0394in)

Liner to Liner Spacing ....2.45mm ± 0.5mm
(0.096in ± 0.0197in)

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.

Roll Specifications

	Small Roll	Large Roll		Small Roll	Large Roll
PRODUCT CODE	XL40FL–CLR1KAL	XL40FL–CLR4KAL	PRODUCT CODE	XL40FL–CLR1KAL	XL40FL–CLR4KAL
Diameter of Core	76.2mm (3in) core	76.2mm (3in) core	External Carton Dimensions	31.9X31.8X23cm (12.56X12.52X9.06in)	23X23X23cm (9.06X9.06X9.06in)
Max Roll Diameter	136mm (5.35in)	228mm (8.98in)	External Cubic Ft. Per Case	0.82	0.43
Number Splices	3 maximum	6 maximum	Labels per Roll	1,000	4,000
Roll Weight	0.44Kg (0.97lbs)	1.75Kg (3.86lbs)	Rolls Per Case	20	5
Case Weight (gross)	9.77Kg (21.53lbs)	9.77Kg (21.53lbs)	Cases Per Pallet	42	84

RF Food Label

Safers

Adjustable Multi-Purpose Safers

The Sensormatic AM or RF EAS Adjustable Multi-Purpose Safers are the ideal solution for open merchandising high-theft products such as perfumes, cosmetics, iPods, MP3 players, razor blades and ink cartridges. The reusable safers protect products in secure housing, integrated with Sensormatic Non-Deactivatable EAS labels, providing the highest anti-theft protection. These transparent, height-adjustable locking devices keep high-value, high-theft items secure and accessible, letting retailers' open-merchandise products with confidence. The safers alarm the Sensormatic AM pedestal system if protected products pass through the detection zone.

Retailer Values

- Promotes open merchandising for perfume, cosmetics, iPods, MP3 players, ink cartridges, razor blades and more for increased sales
- Provides superior protection and optimal merchandising, allowing shoppers to easily view and purchase items
- Easy application and removal helps improve store operations

- Constructed of clear high-grade polycarbonate, the material is scratch-resistant and will not become cloudy or yellow over time, ensuring attractive product displays
- Built from recyclable materials

Application

Perfume, MP3 Players, Memory Sticks, Computer Hardware, Digital Cameras, iPods, Ink Cartridges, Cosmetics, Batteries, Small Electronics, Razor Blades

RF Technology

See sales associates for details.

Product Compatibility

EAS Detection Systems

Detachers:
- Magnetic 9kG Detachers
- Magnetic 5kG Detacher
- Universal Magnetic Detacher

Specifications

Color ....Clear
Magnetic Strength 5kG, 9kG
Blister Hooks...................................Included

Note:

Sensormatic safers are sold by the carton. Cartons can not be split. Quantities per carton vary by safer model.

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.

Specifications

PRODUCT CODES	MSAMT-5100-PRFL: 5kG MSAMT-9100-PRFL: 9kG	MSAMT-5100-PRFS: 5kG MSAMT-9100-PRFS: 9kG
Internal Dimensions HxWxD	115-175 x 100 x 60mm (4.53-6.9 x 3.94 x 2.36in)	115-165 x 66 x 51mm (4.53 - 6.5 x 2.6 x 2.01in)
External Dimensions HxWxD	133-200 x 113 x 80mm (5.24-7.87 x 4.45 x3.15in)	125-200 x 79 x 70mm (4.92-7.87 x 3.11 x 2.76in)
Per Carton	48	72
Carton Weight	8.1kg (17.85lbs)	8.4kg (18.511lbs)

Specifications

PRODUCT CODES	MSAMT-5100-PRFA: 5kG MSAMT-9100-PRFA: 9kG	MSAMT-5100-PRFC: 5kG MSAMT-9100-PRFC: 9kG
Internal Dimensions HxWxD	100-145 x 120 x 90mm (4-5.75 x 4.75 x 3.50in)	140-230 x 65 x 60mm (5.50 -9 x 2.50 x 2.37in)
External Dimensions HxWxD	125-175 x 132 x 111mm (5-6.87 x 5.25 x 4.37in)	162-268 x 78.5 x 80mm (6.37-10.5 x 3 x 3.12in)
Per Carton	25	60
Carton Weight	5.5kg (12.12lbs)	8.2kg (18.07lbs)

Specifications

PRODUCT CODES	MSAMT-9100-PRFB: 9kG	MSAMT-9100-PRFD: 9kG	MSAMT-9100-PRFK: 9kG
Internal Dimensions HxWxD	132-223 x 78 x 70mm (5.20-8.78 x 3.07 x 2.76in)	83-143 x 114 x 114mm (3.28-5.63 x 4.49 x 4.49in)	83-143 x 114 x 114mm (3.28-5.63 x 4.49 x 4.49in)
External Dimensions HxWxD	191-282 x 91 x 91mm (7.51-11.1 x 3.58 x 3.58in)	141-203 x 134 x 128mm (5.55-7.99 x 5.27 x 5.03in	101-145 x 67 x 55mm (3.97-5.70 x 2.63 x 2.16in)
Per Carton	25	25	25
Carton Weight	5.1kg (11.24lbs)	6.4kg (14.11lbs)	2.3kg (5.07lbs)

Designed to secure items that cannot be protected by alarming wraps or hard tags, the Sensormatic Flexible Safer is a reusable and transparent way to open-merchandise with confidence. Available in AM Ferrite or RF technology, the Flexible Safer will alarm EAS pedestal systems if protected products pass through the detection zone Scientifically engineered to be clean and strong for all environments, this safer is an ideal solution for protecting high-theft products such as SD Cards, cosmetics, HD cables, razor blades, box apparel and ink cartridges. Its slim design also helps maximize selling space and allow shoppers to freely view and purchase items.

Flexible Safers are available in three sizes and constructed from three clear, strong and lightweight plastics laminated together to form a strong, yet flexible, composite product. It is extremely easy to use and available in various magnetic strengths to work with the full line of Sensormatic magnetic detachers.

Retailer Values
· Constructed from PET, Polyethylene (PE) and nylon materials to form a strong, yet flexible, product
· Slim design helps maximize retail selling space for increased sales

· Easy application and removal helps improve store operations
· Available in 3 sizes and 2 technologies for an adaptable solution
· Reusable design helps maximize your Return on Investment (ROI)

Solution Applications
Small Bag
SD Cards, Razor Blades, Cosmetics, Ear Buds, Batteries, Boxed Apparel

Medium Bag
Printer Ink Cartridges, Cosmetic Moisturizer, Baby Formula, Perfumes

Large Bag
HDMI Cables, Stereo Headphones, Game Controllers, Health & Beauty

Technology
Acousto-Magnetic (AM)
Small O indicator under the word "Alarm"

Radio Frequency (RF)
No indicator under the word "Alarm"

Product Codes
AM Technology
· ZLAMT-ZIPS5 - 5kG Small Bag
· ZLAMT-ZIPS9 - 9kG Small Bag
· ZLAMT-ZIPM5 - 5kG Medium Bag
· ZLAMT-ZIPM9 - 9kG Medium Bag
· ZLAMT-ZIPL5 - 5kG Large Bag
· ZLAMT-ZIPL9 - 9kG Large Bag

RF Technology
· RFT-ZIPS5 - 5kG Small Bag
· RFT-ZIPS9 - 9kG Small Bag
· RFT-ZIPM5 - 5kG Medium Bag
· RFT-ZIPM9 - 9kG Medium Bag
· RFT-ZIPL5 - 5kG Large Bag
· RFT-ZIPL9 - 9kG Large Bag

Product Compatibility
· Magnetic 9kG Detachers
· Magnetic 5kG Detachers
· Universal Magnetic Detachers

Detacher Type
Magnetic

Product Codes

Small Bag
Height 208mm 8.19in)
Width 200mm (7.87in)

Medium Bag
Height 260mm (10.24in)
Width 250mm (9.84in)

Large Bag
Height 338mm (13.3in)
Width 325mm (13.85in)

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.

Examples

AM Technology
Small **O** indicator under the word "Alarm"

AM Technology
Small O indicator under the word "Alarm"

Green Lock
9kG Magnetic
Strength

Gray Lock
5kG Magnetic
Strength

Green Lock
9kG Magnetic
Strength

Secure New Categories

MICROPHONES

HEADPHONES

RAZORS

MEDICINES

MEMORY CARDS

BATTERIES

PERFUMES

T-SHIRTS
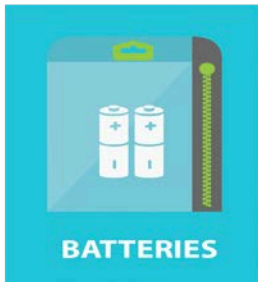
Electronic Article Surveillance (EAS)

Delivering next-generation store performance for wide or multiple exits in a sleek, transparent design.

The Sensormatic Synergy 2.5m Acrylic Pedestal is a key element of the Sensormatic Synergy suite. Its thin, narrow, open-frame design is constructed of high-quality acrylic, preserving store aesthetics and delivering the right look for virtually any retail setting. Ideal for wide or multiple exits, this detection system uses Sensormatic AM EAS technology to provide the highest level of theft detection with up to 2.5m (8ft 2in) of coverage between pedestals to maximize customer flow. The integrated audio and visual alarms notify staff personnel if protected merchandise passes through the detection zone. The multiple audio and visual alarms can be customized for different event types, mapping the audio and ambient lighting options to reflect the source of the alert, such as foil-lined bags and jammer devices.

The pedestal features embedded, multiple-beam people-counting sensors designed for optimal accuracy. With the Synergy network card, these sensors provide visibility into shopper visits to enhance store performance and increase conversion rates.

Integrating directional traffic information with EAS alarm events allows the sensors to discern between inbound and outbound traffic, virtually eliminating unintended alarms triggered by shoppers carrying protected merchandise near the pedestals. People-counting sensors also enable a "power-on-demand" feature that puts the system into low-power standby mode during periods of low or no traffic activity to reduce power consumption up to 90%.

To effectively combat Organized Retail Crime, the AMS9060 Controller – part of this flexible and modular system – can be enhanced with the optional integrated Metal-Foil Detection plug-in card. The network plug-in card, standard with this pedestal system, delivers remote management, EAS and Traffic Intelligence.

Through system configuration, "tags-too-close" is an offered feature developed to help retailers maximize valuable selling floor space near the pedestals. This feature helps reduce unnecessary and costly service calls and decreases nuisance alarms to enhance the shopper experience. Another standard system-configured feature is Jammer Detection which triggers a pedestal alarm as soon as an electronic signal from a jammer device is detected, helping eliminate the threat of would-be thieves attempting to defeat the system.

Retailer Values

- Transparent acrylic form factor preserves store aesthetics
- Consistent 2.5m (8ft 2in) global detection performance protects critical assets
- Embedded people-counting sensors capture shopper visits to help maximize store performance
- Optional Metal-Foil Detection alerts staff when foil-lined bags or clothing enter the store environment, helping combat shrink and ORC
- Standard network plug-in card delivers store-front alarm event and Traffic Intelligence to enhance loss prevention efforts and increase shopper visibility
- "Tags-too-close" feature helps reduce unnecessary and costly service calls and maximizes valuable selling floor space near the pedestals
- Jammer detection helps reduce shrink by notifying staff of attempts to disable the EAS system using a separate audible alarm

- Customizable alarm tones and LED alarm light identify unique events to help reduce shrink
- Remote alarm option alerts staff of alarm events anywhere in store
- Service connection port allows remote diagnostics to help reduce in-store service time

Required Choices

ZSSB-E1180-SS
Stainless Steel (Qty. 1=1 pair)

ZSSB-E1180-SB
Stainless Steel Black (Qty. 1=1 pair)

ZSSB-E1190CG
Cool Gray (Qty 1 = 1 pair)

ZSSB-E1190CH
Charcoal (Qty 1 = 1 pair)

Base Cover Accent Band
ZPS-ACCENT-1
(Qty. 1=1 pair)

Product Compatibility

- Sensormatic AM Sensors
- Ranger Antenna
- Satellite Antenna
- Amorphous Core Antenna
- Stereo Overhead Traffic Sensor
- Mono Overhead Traffic Sensor
- Wireless Device Manager
- Wireless Module
- Shrink Management as a Service (SMaaS)
- Metal Foil Detection Plug-In Card
- Digital Remote Alarm

Specifications

Height 164cm (64.6in)
Width 41.9cm (16.5in)
Depth 8.6cm (3.4in)
(at base w/o covers)
Weight 20.0kg (44lbs)
(w/o cover)
Base cover 1.7kg (2.6lbs)
Accent band..............................3.4kg (7.6lbs)

Electrical

Power Supply
Primary input
100-120Vac or 220-240Vac@50 60Hz

Primary power fuse
3.15A, 25OV slo-blow, hi-breaking

(One pedestal only)
Current draw (120V).....................<0.75Arms
Current draw (240V) ....<0.37Arms
Input power (120V) ....<57WI
Input power (240V)..............................<57W

Transmitter
Operating
Frequency .... 58kHz +/-200Hz
(sync pulse) 56kHz
Transmit Burst Duration 1.6ms
Transmit Current mzx.....................20A peak

Burst Repetition Rate
Based on 50Hz ac .... 75Hz or 37.5Hz
Based on 60Hz ac ....90Hz or 45Hz

Receiver
Center Frequency.................................58kHz

Environmental Constraints

Ambient Temperature
0°C to 50°C (32°F to 122°F)

Relative Humidity
0 to 90%, non-condensing

Enclosure Rating
IPXO
Evaluated for altitudes less than 3000m (9800ft)

Declarations

EMC
47 CFR, Part 15
EN 300 330-2
EN 301 489-3
EN 301 489-1
EN55022
EN55024
ICES-003
RSS-210

Safety
UL 60950-1 (second edition)
CSA C22.2.60950-1
EN 60950-1

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.

Configurations

Measurements – meters (feet)

Single

1 (3.3)

1 (3.3)   1 (3.3)

1.8 (5.1)

2 (6.6)   Normal Mode

1.6 (5.3)

Dual

2.5 (8.2)

2 (6.6)   Alternate Mode

Split

1 (3.3)   2.5 (8.2)   2.5 (8.2)   1 (3.3)

Quad

1 (3.3)   2.5 (8.2)   2.5 (8.2)   2.5 (8.2)   1 (3.3)

Pedestal   Rangers   Satellite

Product Codes	Primary 2.5m Antenna	Single 2.5m Antenna	Dual 2.5m Antennas	Split 2.5m Antennas	Quad 2.5m Antennas	AMS9060 Controller	Cool Gray	Charcoal
ZS1190-CG	●						●	
ZASE-E25GIA1-12M (12M interconnect)		●				●	●	
ZASE-E25GIA2-12M (12M interconnect)			●			●	●	
ZASE-E25GIA3-12M (12M interconnect)				●		●	●	
ZASE-E25GIA4-12M (12M interconnect)					●	●	●	
ZS1190-CH	●							●
ZASE-E25BIA1-12M (12M interconnect)		●				●		●
ZASE-E25BIA2-12M (12M interconnect)			●			●		●
ZASE-E25BIA3-12M (12M interconnect)				●		●		●
ZASE-E25BIA4-12M (12M interconnect)					●	●		●

Please see hardware add-on options in the Accessory section

Delivering next-generation store performance.

The Sensormatic Synergy 2.5m Pedestal combines the power of AM and RFID technology to enable comprehensive store performance. Its thin, narrow, open-frame design is constructed of high-impact ABS, preserving aesthetics and delivering the right look for virtually any retail setting. This detection system features Sensormatic AM EAS technology for the highest level of theft detection with up to 2.5m (8ft 2in) coverage for wide or multiple exits. The integrated audio and visual alarms notify store personnel if protected merchandise passes through the detection zone. The multiple audio and visual alarms can be customized for different event types, mapping the audio and ambient lighting options to reflect the source of the alert, such as foil-lined bags and jammer devices.

The pedestal features embedded, multiple-beam people-counting sensors designed for optimal accuracy. With the Synergy network card, these sensors enable Traffic Intelligence reports that provide visibility into shopper traffic to enhance store performance and increase conversion rates. Integrating directional traffic information

with EAS alarm events allows the sensors to discern between inbound and outbound traffic, virtually eliminating unintended alarms triggered by shoppers carrying protected merchandise near the pedestals. People-counting sensors also enable a "power-on-demand" feature that puts the system into low-power standby mode during periods of low or no traffic activity to reduce power consumption up to 90%.

Compatible with the Sensormatic Synergy RFID Retrofit Panel, this pedestal provides a cost-effective migration to advanced Radio Frequency Identification (RFID) functionality. The easy-to-install upgrade panel delivers an optimal combination of proven Sensormatic AM loss prevention technology with RFID-enabled inventory and shrink visibility. When leveraging RFID technology, these flexible and modular pedestals can integrate with surveillance cameras for video verification of EAS alarm events.

To effectively combat Organized Retail Crime, the AMS9060 Controller – part of this flexible and modular system – can be enhanced with the optional integrated Metal-Foil Detection plug-in card. The network plug-in card, standard with this

pedestal system, delivers remote management, EAS and Traffic Intelligence.

Through system configuration, "tags-too-close" is an offered feature developed to help retailers maximize valuable selling floor space near the pedestals. This feature helps reduce unnecessary and costly service calls and decreases nuisance alarms to enhance the shopper experience. Another system-configured feature is Jammer Detection which triggers a pedestal alarm as soon as an electronic signal from a jammer device is detected, helping eliminate the threat of would-be thieves using this method.

The optional Advertising Upgrade Kit leverages valuable pedestal real estate at the store entrance to reach a large number of shoppers on-the-move. The easy-to-install poster helps draw shoppers with advertisements, modern designs or simple, low-cost printed graphics. This add-on also provides an opportunity to generate additional marketing co-op profit by bidding out this valuable advertising space to vendors.

Retailer Values

- Compatible RFID Retrofit Panel provides an easy, cost-effective migration path to advanced RFID functionality to provide inventory and shrink visibility
- Consistent 2.5m (8ft 2in) global detection performance protects critical assets
- Embedded people-counting sensors provide Traffic Intelligence and directionality to calculate conversion rates and maximize store performance
- Optional Metal-Foil Detection alerts staff when foil-lined bags or clothing enter the store environment, helping combat shrink and ORC
- Standard network plug-in card delivers store-front alarm event and Traffic Intelligence to enhance loss prevention efforts and increase shopper visibility
- "Tags-too-close" feature helps reduce unnecessary and costly service calls and maximizes valuable selling floor space near the pedestals
- Jammer detection helps reduce shrink by notifying staff of attempts to disable the EAS system using a separate audible alarm
- Add-on surveillance cameras provide video verification of EAS alarm events for enhanced shrink visibility
- Optional Advertising Upgrade Kit offers a flexible medium to reach a large number of shoppers where most purchasing decisions are made
- Customizable alarm tones and LED alarm light identify unique events to help reduce shrink
- Remote alarm option alerts staff of alarm events anywhere in store
- Service connection port allows full system software control at any antenna, helping reduce in-store service time

Required Choices

Base Covers
ZSSB-E1180CG
Cool Gray (Qty. 1=1 pair)
ZSSB-E1180CH
Charcoal (Qty. 1=1 pair) (Qty. 1=1 pair)

ZSSB-E1180-SS
Stainless Steel (Qty 1 = 1 pair)
ZSSB-E1180-SB
Stainless Steel Black (Qty 1 = 1 pair)

Base Cover Accent Plate
ZPS-ACCENT-1 With Sensormatic Logo
ZPS-ACCENT-4 No Logo

Product Compatibility

- Sensormatic AM Sensors
- Ranger Antenna
- Satellite Antenna
- Amorphous Core Antenna
- Stereo Overhead Traffic Sensor
- Mono Overhead Traffic Sensor
- Wireless Device Manager
- Wireless Module
- Shrink Management as a Service (SMaaS)
- Metal Foil Detection Plug-In Card
- Digital Remote Alarm
- Advertising Upgrade Kit
- Sensormatic Synergy RFID Retrofit Panel

Specifications

Height 165cm (65in)
Width 41.9cm (16.5in)
Depth 8.6cm (3.4in)
(at base w/o covers)
Weight 7.1kg (15.85lbs)
(w/o cover)
Base cover 1.7kg (2.6lbs)
Accent band 3.4kg (7.6lbs)

Electrical
Power Supply
Primary input .... 100-120Vac or 220-240Vac@50-60Hz
Primary power fuse
3.15A, 25OV slo-blow, hi-breaking

(One pedestal only)
Current draw (120V 0.75Arms
Current draw (240V 0.37Arms
Input power (120V .... < 57W
Input power (240V .... < 57W

Transmitter
Operating Frequency .... 58kHz +/-200Hz
(sync pulse) 56kHz
Transmit Burst Duration 1.6ms

Transmit Current mzx .... 20A peak

Burst Repetition Rate
Based on 50Hz ac .... 75Hz or 37.5Hz
Based on 60Hz ac .... 90Hz or 45Hz

Receiver
Center Frequency 58kHz

Environmental Constraints
Ambient Temperature
0°C to 50°C (32°F to 122°F)

Relative Humidity
0 to 90%, non-condensing

Enclosure Rating
IPXO
Evaluated for altitudes less than 3000m (9800ft)

Declarations
EMC
47 CFR, Part 15
EN 300 330-2
EN 301 489-3
EN 301 489-1
EN55022
EN55024
ICES-003
RSS-210

Safety
UL 60950-1 (second edition)
CSA C22.2.60950-1
EN 60950-1

Configurations

Measurements – meters (feet)

Single

1 (3.3)   1 (3.3)   1 (3.3)

1.8 (5.1)   2 (6.6) Normal Mode   1.6 (5.3)

Dual

2.5 (8.2)   1.8 (5.1) Backfield Reduction Mode

2 (6.6) Alternate Mode

Split

1 (3.3)   2.5 (8.2)   2.5 (8.2)   1 (3.3)

Quad

1 (3.3)   2.5 (8.2)   2.5 (8.2)   2.5 (8.2)   1 (3.3)

Product Codes	Primary 2.5m Antenna	Single 2.5m Antenna	Dual 2.5m Antennas	Split 2.5m Antennas	Quad 2.5m Antennas	AMS9060 Controller	Cool Gray	Charcoal
ZS1180-CG	●						●	
ZASE-E25G1-12M (12M interconnect)		●				●	●	
ZASE-E25G2-12M (12M interconnect)			●			●	●	
ZASE-E25G3-12M (12M interconnect)				●		●	●	
ZASE-E25G4-12M (12M interconnect)					●	●	●	
ZS1180-CH	●							●
ZASE-E25B1-12M (12M interconnect)		●				●		●
ZASE-E25B2-12M (12M interconnect)			●			●		●
ZASE-E25B3-12M (12M interconnect)				●		●		●
ZASE-E25B4-12M (12M interconnect)					●	●		●

Please see hardware add-on options in the Accessory section

Consumer Awareness

Although this anti-theft system complies with all applicable safety standards, advertising inserts must be designed to avoid creating any delay in customer movement through the system. Medical implant wearers are instructed by their physicians not to linger near, or lean on, anti-theft pedestals. Inserts should not encourage them to linger or lean.

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.

Pedestal   Rangers   Satellite

Delivering next-generation store performance.

The Sensormatic Synergy 2.0m Pedestal combines the power of AM and RFID technology to enable comprehensive store performance. Its thin, narrow, open-frame design is constructed of high-impact ABS, preserving aesthetics and delivering the right look for virtually any retail setting. This detection system features Sensormatic AM EAS technology for the highest level of theft detection with up to 2m (6ft 6in) coverage for wide or multiple exits. The integrated audio and visual alarms notify store personnel if protected merchandise passes through the detection zone. The multiple audio and visual alarms can be customized for different event types, mapping the audio and ambient lighting options to reflect the source of the alert, such as foil-lined bags and jammer devices.

The pedestal features embedded, multiple-beam people-counting sensors designed for optimal accuracy. With the Synergy network card, these sensors enable Traffic Intelligence reports that provide visibility into shopper traffic to enhance store performance and increase conversion rates. Integrating directional traffic information with EAS alarm events allows the sensors to discern between inbound and outbound traffic, virtually eliminating unintended alarms triggered by shoppers carrying protected merchandise near the pedestals. People-counting sensors also enable a "power-on-demand" feature that puts the system into low-power standby mode during periods of low or no traffic activity to reduce power consumption up to 90%.

Compatible with the Sensormatic Synergy RFID Retrofit Panel, this pedestal provides a cost-effective migration to advanced Radio Frequency Identification (RFID) functionality. The easy-to-install upgrade panel delivers an optimal combination of proven Sensormatic AM loss prevention technology with RFID-enabled inventory and shrink visibility. When leveraging RFID technology, these flexible and modular pedestals can integrate with surveillance cameras for video verification of EAS alarm events.

To effectively combat Organized Retail Crime, the AMS9060 Controller — part of this flexible and modular system — can be enhanced with the optional integrated Metal-Foil Detection plug-in card. The network plug-in card, standard with this pedestal system, delivers remote management, EAS and traffic intelligence.

Through system configuration, "tags-too-close" is an offered feature developed to help retailers maximize valuable selling floor space near pedestals. This feature helps reduce unnecessary and costly service calls and decreases nuisance alarms to enhance the shopper experience. Another system-configured feature is Jammer Detection which triggers a pedestal alarm as soon as an electronic signal from a jammer device is detected, helping eliminate the threat of would-be thieves using this method.

The optional Advertising Upgrade Kit leverages valuable pedestal real estate at the store entrance to reach a large number of shoppers on-the-move. The easy-to-install poster helps draw shoppers with advertisements, modern designs or simple, low-cost printed graphics. This add-on also provides an opportunity to generate additional marketing co-op profit by bidding out this valuable advertising space to vendors.

Retailer Values

- Compatible RFID Retrofit Panel provides an easy, cost-effective migration path to advanced RFID functionality to provide inventory and shrink visibilit
- Consistent 2m (6ft 6in) global detection performance protects critical assets
- Embedded people-counting sensors provide Traffic Intelligence and directionality to calculate conversion rates and maximize store performance
- Optional Metal-Foil Detection alerts staff when foil-lined bags or clothing enter the store environment, helping combat shrink and ORC
- Standard network plug-in card delivers store-front alarm event and traffic intelligence to enhance loss prevention efforts and increase shopper visibility
- "Tags-too-close" feature helps reduce unnecessary and costly service calls and maximizes valuable selling floor space near the pedestals
- Jammer Detection helps reduce shrink by notifying staff of attempts to disable the EAS system using a separate audible alarm
- Add-on surveillance cameras provide video verification of EAS alarm events for enhanced shrink visibility
- Optional Advertising Upgrade Kit offers a flexible medium to reach a large number of shoppers where most purchasing decisions are made
- Customizable alarm tones and LED alarm light identify unique events to help reduce shrink
- Remote alarm option alerts staff of alarm events anywhere in store
- Service connection port allows full system software control at any antenna, reducing in-store service time.

Required Choices

Base Covers

ZSSB-E1180CG
Cool Gray (Qty. 1=1 pair)

ZSSB-E1180CH
Charcoal (Qty. 1=1 pair) (Qty. 1=1 pair)

ZSSB-E1180-SS
Stainless Steel (Qty 1=1 pair)

ZSSB-E1180-SB
Stainless Steel Black (Qty 1=1 pair)

Base Cover Accent Band

ZPS-ACCENT-1
With Sensormatic Logo

ZPS-ACCENT-4: No Logo

Product Compatibility

- Sensormatic AM Sensors
- Ranger Antenna
- Satellite Antenna
- Amorphous Core Antenna
- Stereo Overhead Traffic Sensor
- Mono Overhead Traffic Sensor
- Wireless Device Manager
- Wireless Module
- Shrink Management as a Service (SMaaS)
- Metal Foil Detection Plug-In Card
- Digital Remote Alarm
- Advertising Upgrade Kit
- Sensormatic Synergy RFID Retrofit Panel

Specifications

Height 165cm (65in)
Width 41.9cm (16.5in)
Depth 8.6cm (3.38in)
(at base w/o covers)
Weight 7.1kg (15.85lbs)
(w/o cover)
Base cover 1.7kg (2.6lbs)
Accent band.............................3.4kg (7.6lbs)

Electrical

Power Supply
Primary input .... 100-120Vac or
220-240Vac@50-60Hz
Primary power fuse...................3.15A, 25OV
slo-blow, hi-breaking

(One pedestal only)
Current draw (120V).....................<0.75Arms
Current draw (240V) .... .37Arms
Input power (120V) ....<57W
Input power (240V)..............................<57W

Transmitter
Operating
Frequency .... 58kHz +/-200Hz
(sync pulse) 56kHz
Transmit Burst Duration 1.6ms
Transmit Current mzx..................... 16A peak

Burst Repetition Rate
Based on 50Hz ac ....75Hz or 37.5Hz
Based on 60Hz ac ....90Hz or 45Hz

Receiver
Center Frequency 58kHz

Environmental Constraints

Ambient Temperature
0°C to 50°C (32°F to 122°F)

Relative Humidity
0 to 90%, non-condensing

Enclosure Rating
IPXO
Evaluated for altitudes less than 3000m (9800ft)

Declarations

EMC
47 CFR, Part 15
EN 300 330-2
EN 301 489-3
EN 301 489-1
EN55022
EN55024
ICES-003
RSS-210

Safety
UL 60950-1 (second edition)
CSA C22.2.60950-1
EN 60950-1

Configurations

Measurements – meters (feet)

Single

0.9 (3.0) | 0.9 (3.0) 0.9 (3.0)

1.7 (5.6) | 1.6 (5.3)

Dual

2 (6.6) | 1.6 (5.3) — Backfield Reduction Mode

2 (6.6) — Alternate Mode | 1.7 (5.6) 2 (6.6) 1.7 (5.6)

Split

0.9 3.0)   2 (6.6)   2 (6.6)   0.9 (3.0)

Quad

0.9 (3.0)   2 (6.6)   2 (6.6)   2 (6.6)   0.9 (3.0)

Product Codes	Primary 2.0m Antenna	Single 2.0m Antenna	Dual 2.0m Antennas	Split 2.0m Antennas	Quad 2.0m Antennas	AMS9060 Controller	Cool Gray	Charcoal
ZS1175-CG	●						●	
ZASE-E20G1-12M (12M interconnect)		●				●	●	
ZASE-E20G2-12M (12M interconnect)			●			●	●	
ZASE-E20G3-12M (12M interconnect				●		●	●	
ZASE-E20G4-12M (12M interconnect)					●	●	●	
ZS1175-CH	●							●
ZASE-E20B1-12M (12M interconnect)		●				●		●
ZASE-E20B2-12M (12M interconnect)			●			●		●
ZASE-E20B3-12M (12M interconnect)				●		●		●
ZASE-E20B4-12M (12M interconnect)					●	●		●

Please see hardware add-on options in the Accessory section

Consumer Awareness

Although this anti-theft system complies with all applicable safety standards, advertising inserts must be designed to avoid creating any delay in customer movement through the system. Medical implant wearers are instructed by their physicians not to linger near, or lean on, anti-theft pedestals. Inserts should not encourage them to linger or lean.
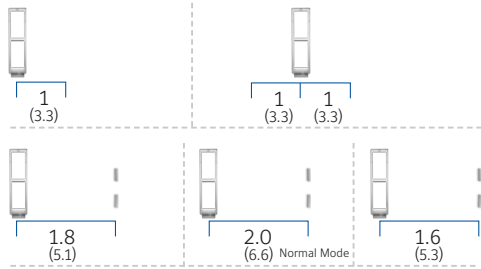
CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.
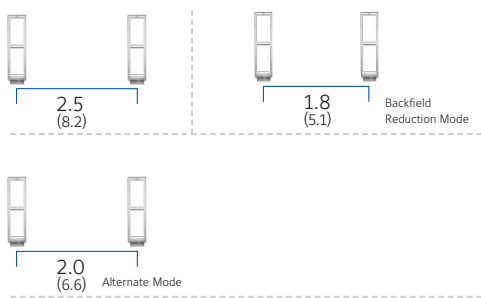

Pedestal   Rangers   Satellite

Durable, all-weather solution for outdoor retail settings.

The Sensormatic Synergy 2.5m Outdoor ABS pedestal combines all-weather durability and superior Electronic Article Surveillance (EAS) detection performance in an attractive aesthetically pleasing package. This thin sturdy frame detection solution is constructed of high-impact ABS material and is ideal for outdoor garden centers.

As part of the family of Sensormatic Synergy product line, this pedestal is packed with powerful features to help retailers manage shrink while offering a contemporary design to match the installed detection systems within the internal store environment. The Synergy Outdoor pedestal, designed specifically for outdoor installations, meets the IP44 water resistance rating that protects it from splashing water.

Along with its unique outdoor design, this system provides theft detection with up to 2.5m (8ft 2in) coverage for wide exits. The integrated audio and visual alarms can be customized for different event types, mapping the audio and ambient light options to reflect the source of the alarm, such as foil-lined bag or Jammer detection devices.

This pedestal also includes embedded, multiple-beam people-counting sensors which provide directional traffic information. This allows the sensors to discern between inbound and outbound traffic, virtually eliminating unintended alarms associated with shoppers carrying protected merchandise near the pedestal. These built-in sensors also enable a 'power-on-demand' feature that places the system into a low power standby mode during periods of low or no traffic activity to reduce power consumption up to 90%.

Through system configuration, Jammer detection can be enabled which triggers a pedestal alarm as soon as an electronic signal from a Jammer device is detected, helping eliminate the threat of would-be thieves.

Synergy 2.5m Outdoor ABS Pedestals can be connected to the Sensormatic Shrink Management as a Service (SMaaS) reporting platform. This cloud based platform provides retailers with shoplifting insights, predictive analytics, and remote management of their EAS system to help retailers manage their loss prevention programs.

Retailer Values
- Designed to withstand exposure to outdoor temperatures and splashing water—ideal for outdoor installations such as garden centers
- Contemporary open-frame style provides a consistent look and feel across the entire store environment
- Full suite of features combines durability and superior detection performance including built-in people counting sensors, customizable alarm tones and lighting, and jammer detection
- Includes a service connection port for full software control at any antenna which helps reduce in-store service time

Required Choices
Note: Base covers are installed at the manufacturing location.

Base Cover Accent Plate
- ZPS-ACCENT-1 with Sensormatic Logo
- ZPS-ACCENT-4 No Logo

Product Compatibility

· Sensormatic AM Sensors
· Ranger Antenna
· Satellite Antenna
· Amorphous Core Antenna
· Wireless Device Manager
· Wireless Module
· Metal Foil Detection Plug-In Card
· Digital Remote Alarm
· Shrink Management as a Service (SMaaS)

Specifications

Height 165cm (65in)
Width 41.9cm (16.5in)
Depth 8.6cm (3.4in)
(at base w/o covers)
Weight 7.1kg (15.85lbs)
(w/o cover)
Base cover 1.7kg (2.6lbs)
Accent band.............................3.4kg (7.6lbs)

Electrical

Power Supply
AMS9060 Controller
Primary input .... 100-120Vac or
220-240Vac@50-60Hz
Primary power fuse....................3.15A, 25OV
slo-blow, hi-breaking

(One pedestal only)
Current draw (120V).....................<0.75Arms
Current draw (240V) ....<0.37Arms
Input power (120V) .... <57W
Input power (240V).............................. <57W

Transmitter
Operating Frequency ....58kHz +/-200Hz
(sync pulse) 56kHz
Transmit Burst Duration 1.6ms
Transmit Current mzx.....................20A peak

Burst Repetition Rate
Based on 50Hz ac ....75Hz or 37.5Hz
Based on 60Hz ac .... 90Hz or 45Hz

Receiver
Center Frequency 58kHz

Environmental Constraints

Ambient Temperature
-50°C to 50°C (-58°F to 122°F)

Relative Humidity
0 to 90%, non-condensing

Enclosure Rating
IP44

Declarations

EMC (with AMS-9060 Controller)
47 CFR, Part 15
EN 300 330-2
EN 301 489-3
EN 301 489-1
EN55022
EN55024
ICES-003
RSS-210

Safety
UL/CSA/EN 60950-1
UL/CSA/EN 62368-1
UL/CSA/EN 60950-22
Approved for outdoor installations

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.

Configurations

Measurements – meters (feet)

Single

| 1 (3.3) | 1 (3.3) 1 (3.3) |
| 1.8 (5.1) | 2.0 (6.6) Normal Mode | 1.6 (5.3) |

Dual

| 2.5 (8.2) | 1.8 (5.1) Backfield Reduction Mode |
| 2.0 (6.6) Alternate Mode |

Split

1 (3.3) 2.5 (8.2) 2.5 (8.2) 1 (3.3)

Quad

1 (3.3) 2.5 (8.2) 2.5 (8.2) 2.5 (8.2) 1 (3.3)
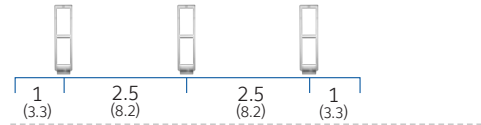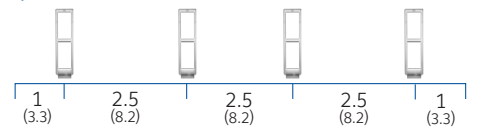
Product Codes	Primary 2.5m Outdoor Receiver	Primary 2.5m Outdoor Emitter	Single 2.5m Outdoor Antenna	Dual 2.5m Outdoor Antennas	Split 2.5m Outdoor Antennas	Quad 2.5m Outdoor Antennas	Cool Gray	Charcoal
ZSO1180-CGCR (Capacitor Board Receiver)	●						●	
ZSO1180-CGCE (Capacitor Board Emitter)		●					●	
ZASEO-E25G1-12M (12M interconnect)			●				●	
ZASEO-E25G2-12M (12M interconnect)				●				
ZASEO-E25G3-12M (12M interconnect)					●		●	
ZASEO-E25G4-12M (12M interconnect)						●	●	
ZSO1180-CHCR (Capacitor Board Receiver)	●							●
ZSO1180-CHCE) (Capacitor Board Emitter)		●						●
ZASEO-E25B1-12M (12M interconnect)			●					●
ZASEO-E25B2-12M (12M interconnect)				●				●
ZASEO-E25B3-12M (12M interconnect)					●			
ZASEO-E25B4-12M (12M interconnect)						●		●

Please see hardware add-on options in the Accessory section

Delivering next-generation store performance.

The Sensormatic Synergy 2.5m Self-Contained Pedestal provides superior Sensormatic AM EAS anti-theft protection with up to 2.5m (8.2ft) of coverage between pedestals. The on-board electronics are mounted in the primary pedestal, eliminating the need for an external controller. The integrated audio and visual alarms notify store personnel if protected merchandise passes through the detection zone. The multiple audio and visual alarms can be customized for different event types, mapping the audio and ambient lighting options to reflect the source of the alert such as foil-lined bags and Jammer devices.

The pedestal features embedded, multiple-beam people-counting sensors designed for optimal accuracy. With the Synergy network card, these sensors provide visibility into shopper visits to enhance store performance and increase conversion rates. Integrating directional traffic information with EAS alarm events allows the sensors to discern between inbound and outbound traffic, virtually eliminating unintended alarms triggered by shoppers carrying protected merchandise near the pedestals. People-counting

sensors also enable a "power-on-demand" feature that puts the system into low-power standby mode during periods of low or no traffic activity to reduce power consumption up to 90%.

The onboard controller can be enhanced with the optional integrated Metal-Foil Detection plug-in card to effectively combat Organized Retail Crime, or the network plug-in card to deliver remote management, EAS and Traffic Intelligence.

Through system configuration, "tags-too-close" is an offered feature developed to help retailers maximize valuable selling floor space near the pedestals. This feature decreases nuisance alarms to enhance the shopper experience and reduce unnecessary and costly service calls. Another system-configured feature is Jammer Detection, which triggers a pedestal alarm as soon as an electronic signal from a Jammer device is detected, helping eliminate the threat of would-be thieves using this method.

The optional Advertising Upgrade Kit leverages valuable pedestal real estate at the store entrance to reach a large number of shoppers on-the-move. The easy-to-install poster helps draw shoppers into the

retail environment with advertisements, modern designs or simple, low-cost printed graphics. This add-on also provides an opportunity to generate additional marketing co-op profit by bidding out this valuable advertising space to vendors.

Retailer Values

· Consistent 2.5m (8.2ft) global detection performance protects critical assets
· Embedded people-counting sensors capture shopper visits to help maximize store performance
· Optional Metal-Foil Detection alerts staff when foil-lined bags or clothing enter the store environment, helping combat shrink and ORC
· Optional network plug-in card delivers store-front alarm event and Traffic Intelligence to enhance loss prevention efforts and increase shopper visibility
· "Tags-too-close" feature helps reduce unnecessary and costly service calls and maximizes valuable selling floor space near the pedestals
· Jammer Detection helps reduce shrink by notifying staff of attempts to disable the EAS system using a separate audible alarm

- Optional Advertising Upgrade Kit offers a flexible medium to reach a large number of shoppers where most purchasing decisions are made
- Customizable alarm tones and LED alarm light identify unique events to help reduce shrink
- Remote alarm option alerts staff of alarm events anywhere in store
- Service connection port allows full system software control at any antenna, helping reduce in-store service time

Required Choices

Base Covers
- ZSSB-E1170CG Cool Gray (Qty. 1=1 pair)
- ZSSB-E1170CH Charcoal (Qty. 1=1 pair)

Base Cover Accent Band
- ZPS-ACCENT-1 with Sensormatic Logo
- ZPS-ACCENT-4 No Logo

Product Compatibility
- Sensormatic AM Sensors
- Ranger Antenna
- Satellite Antenna
- Amorphous Core Antenna
- Stereo Overhead Traffic Sensor
- Mono Overhead Traffic Sensor
- Wireless Device Manager
- Wireless Module
- Shrink Management as a Service (SMaaS)
- Metal Foil Detection Plug-In Card
- Network Plug-In Card
- Digital Remote Alarm
- Sensormatic Synergy Upgrade Advertising Kit

Specifications (without covers)

Height 165cm (65in)
Width 41.9cm (16.5in)
Thickness/Depth ....8.6cm (3.4in (w/o base covers)
Weight ....7.18kg (15.85lbs) (w/o base covers)
Base cover 4.3kg (9.5lbs)
2C Controller Board.................1.2kg (2.75lbs)
4C Controller Board 1.4kg (3.25lbs)
Accent Band.............................3.4kg (7.6lbs)

Electrical

Power Supply

Primary input .... 100-120Vac or 220-240Vac@50-60Hz
Primary Power fuse....3.15A, 25OV slo-blow, hi-breaking
Current draw (120V).......................<0.6Arms
Current draw (240V) ....<0.3Arms
Input power (120V). .... <45W
Input power (240V)........................... <45W

Transmitter

Operating
Frequency ....58kHz (+200Hz) (sync pulse) 56kHz
Transmit Burst Duration 1.6ms
Transmit Current mzx.....................20A peak

Burst Repetition Rate

Based on 50Hz ac ....75Hz or 37.5Hz
Based on 60HZ zc ....90Hz or 45Hz

Receiver

Center Frequency 58kHz

Environmental Constraints

Ambient Temperature

0°C to 50°C (32°F to 122°F)

Relative Humidity

0 to 90%, non-condensing

Enclosure Rating

IPXO
Evaluated for altitudes less than 3000m (9800ft)

Declarations

EMC

47 CFR, Part 15
EN 300 330-2
EN 301 489-3
EN 301 489-1
EN55022
EN55024
ICES-003
RSS-210

Safety

UL 60950-1 (second edition)
CSA C22.2.60950-1
EN 60950-1

Consumer Awareness

Although this anti-theft system complies with all applicable safety standards, advertising inserts must be designed to avoid creating any delay in customer movement through the system. Medical implant wearers are instructed by their physicians not to linger near, or lean on, anti-theft pedestals. Inserts should not encourage them to linger or lean.

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.

Configurations

Measurements – meters (feet)

Single

1
(3.3)

1
(3.3)

1
(3.3)

1.8
(5.10)

1.6
(6.6) Normal Mode

1.6
(5.3)

Dual

2.5
(8.2)

2.0
(6.6) Alternative Mode
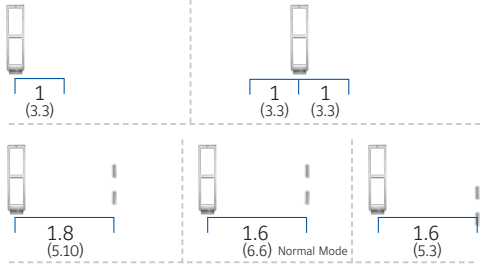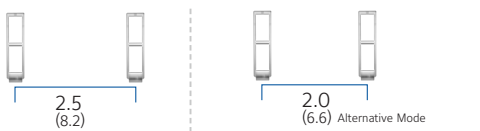
Product Codes	Primary 2.5m Antenna 2-channel stand alone	Primary 2.5m Antenna 4-channel stand alone	Single 2.5m Antennas	Dual 2.5m Antennas	Cool Gray	Charcoal
AMS1170-2C	●					
AMS1170-4C		●				
ZASI-E25GP (no interconnect)			●		●	
ZASI-E25G2-4M-1 (4M interconnect)				●	●	
ZASI-E25G2-12M-1 (12M interconnect)				●	●	
ZASI-E25BP (no interconnect)			●			●
ZASI-E25B2-4M-1 (4M interconnect)				●		●
ZASI-E25B2-12M-1 (12M interconnect)				●		●

Please see hardware add-on options in the Accessory section

With Advertising Upgrade Kit

The RFID Retrofit Panel is a simple, cost-effective upgrade to the Sensormatic Synergy 2.0 and 2.5 ABS pedestals. This easy-to-install upgrade delivers Radio Frequency Identification (RFID) technology to existing Acousto-Magnetic (AM) systems to provide shrink and inventory visibility, in addition to protecting Electronic Article Surveillance (EAS) infrastructure.

The panel leverages software-controlled beam-steerable technology for directional reading of AM/RFID-tagged merchandise at the exit. This provides retailers with real-time visibility into their assets, while the detection system uses Sensormatic AM EAS technology for the highest level of theft detection.

When coupled with Tyco's TrueVUE software, the Synergy RFID Retrofit Panel delivers advanced functionality to increase inventory visibility, minimize markdowns, and replenish out-of-stocks, helping to maximize sales and increase customer satisfaction. Retailers also gain deeper insight into what, when, and how specific items go missing to help optimize store operations.

For standalone RFID applications, the retrofit panel can be installed onto the 2.0 and 2.5 ABS pedestals without the AMS9060 controller.

Retailer Values

· Provides a simple, cost-effective RFID upgrade to compatible AM pedestals
· Protects EAS infrastructure investment and delivers advanced RFID functionality
· Complements proven, reliable AM EAS technology with advanced RFID capabilities for item-level intelligence
· Provides true directional sensing of RFID tag movement using beam-steering technology at exits, transition areas, or zones
· Installs on single, dual, split and quad pedestal configurations
· Integrates with TrueVUE software for advanced RFID functionality with real-time visibility into shrink and inventory accuracy

Configured Product Codes
IDSM20-NA-GR1U*
Cool Gray RFID Retrofit Kit, NA, Unidirectional
IDSM20-EU-GR1U*
Cool Gray RFID Retrofit Kit, EU, Unidirectional
IDSM20-NA-GR1B*
Cool Gray RFID Retrofit Kit, NA, Bidirectional
IDSM20-EU-GR1B*
Cool Gray RFID Retrofit Kit, EU, Bidirectional

* Kits noted above are Cool Gray color and include: beam steerable antenna, antenna cover, and mounting hardware for one pedestal. Charcoal color items are available.
** Synergy 2.0m and 2.5m ABS Pedestals are sold separately.

Required Hardware
RFID Reader
IDX2000-N1
2-Port RFID Reader with Power Supply (NA)
IDX2000-E1
2-Port RFID Reader with Power Supply (Europe)
IDX8000-N1
8-Port RFID Reader with Power Supply (NA)
IDX8000-E1
8-Port RFID Reader with Power Supply (Europe)

Product Compatibility

- Synergy 2.0 ABS Pedestal
- Synergy 2.5 ABS Pedestal
- AM/RFID Hard Tags
- AM Hard Tags and Labels
- TrueVUE Software
- EPC Gen2 Class I RFID Tags (performance dependent on tag design)

Specifications

Height 160.02cm (63in)
Width 30.48cm (12in)
Depth 38.10cm (15in)
Weight (Panel Only 3.9kg (8.5lbs)

RFID Functionality

Beam Steerable RFID Antenna
Frequency Bands
US 902–928MHz
EU 865–868MHz
Polarization .... RHCP
Gain (center beam) .... 6 dBiL
Gain (left/right beams) .... 4.7 to 5 dBiL
Beam angle .... ± 20°
Beam width.. 55°

Electrical

Beam Steerable RFID Antenna
Impedance (normal) .... 50 Ohms

Pedestal (Transmitter)
Operating Frequency .... 58kHz +/-200Hz
(sync pulse) 56kHz
Transmit Burst Duration 0.6ms
Transmit Current mzx .... 16A peak

Burst Repetition Rate
Based on 50Hz ac .... 75Hz or 37.5Hz
Based on 60Hz ac .... 90Hz or 45Hz

Receiver
Center Frequency................................ 58kHz

Alarm
Audio level 83dBA

Environmental Constraints

Beam Steerable Antenna
Operating Temperature........... –20°C to 65°C
(–4°F to 149°F)
Relative Humidity . 5 to 90% non-condensing

RFID Readers (IDX2000/8000)
Operating Temp .... –20° to 50°C
(–4° to 12°F)
Relative Humidity .... 5 to 95%
non-condensing

Pedestal
Ambient Temp .... 0°C to 50°C
(32°F to 122°F)
Relative Humidity .... 0 to 90%
non-condensing
Enclosure IPX0
Evaluated for altitudes less than 2000m (6500ft).

DO NOT cover or block thermal cooling air passages.

$C\epsilon$ This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.
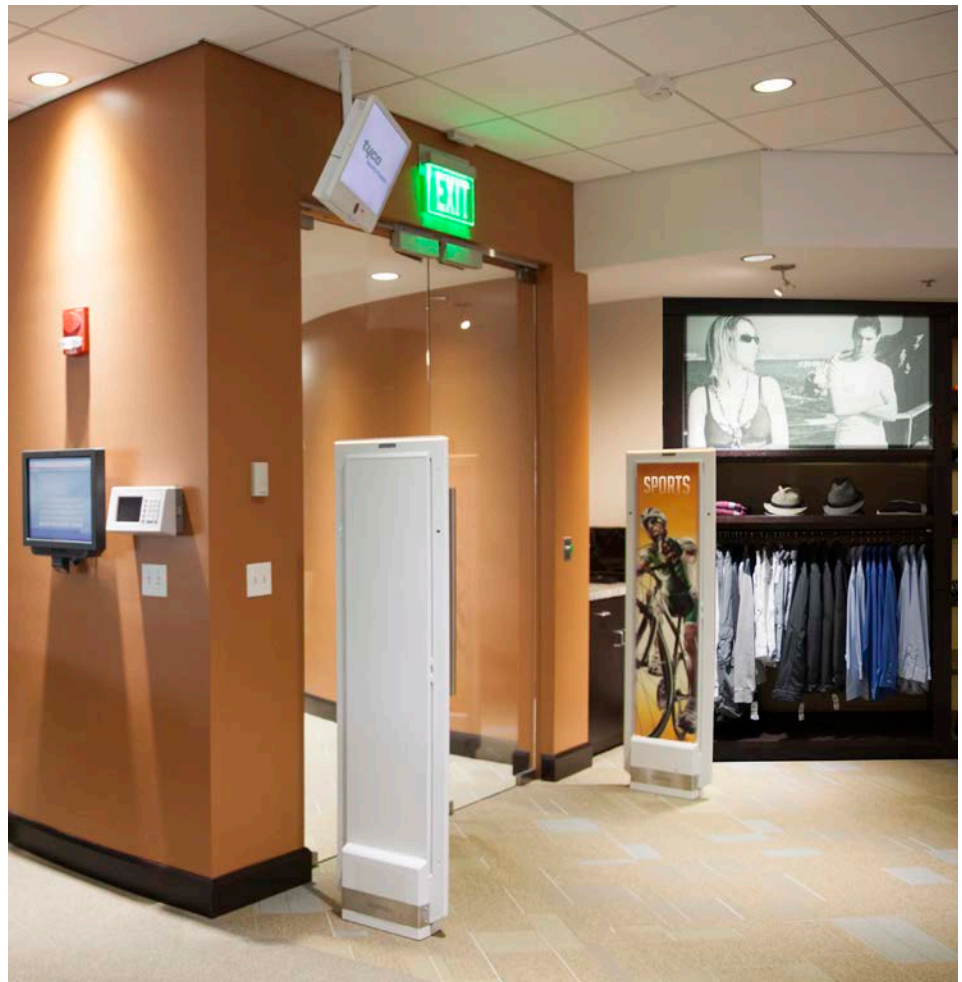
The RFID Only Door-Max is an attractive system that complements any store design with next generation loss prevention technology. Powered by Radio Frequency Identification (RFID), the system provides shrink and inventory visibility at the storefront. Attached to door frames, glass and other surfaces, this advanced detection system blends discreetly into any store decor.

This RFID based EAS system gives retailers the ability to know what went missing and when, for clearer insight into theft as it happens at the storefront. The system supports pedestal spacing up to 2.0m (6.6ft) and features a highly customizable audible, and visual alarm to notify store personnel of theft events.

By leveraging Sensormatic world class patented Precise Automated Inventory Recognition (PAIR) technology, retailers can accurately identify tags in the detection zone, reducing nuisance alarms from stray RFID-tagged merchandise.

When utilizing with TrueVUE shrink visibility reporting, retailers gain an enhanced understanding of loss events at the storefront and can target shrink mitigation efforts more precisely.

Retailer Values
- Discreet antenna design that blends into any store entrance yet visible to notify sales associates of loss events
- Pinpoint vulnerable store areas with EPC item-level loss event reports on when, what and how many items go missing
- Configurable state-of-the-art color LED light and customizable audible indicators immediately notify store associates of alarm events
- Advanced accurate alarming technology enables highly reliable alarms to create a pleasant shopping experience
- Proprietary and proven Precise Identification technology prevents false alarms caused by other retailers RFID tagged merchandise
- Replenish out-of-stocks immediately with real-time, item-level reports of missing items
- Proactively identify and manage new shoplifting trends
- Drive incremental sales and increase conversions when using shopper traffic intelligence data
- Operates as standalone RFID as EAS or integrates with TrueVUE platform for real-time shrink visibility (EPC as EAS)
- Improve conversion rates when using integrated people counting traffic intelligence data

Maximize On-Demand Analytics
The robust reporting platform features dashboards, operational insights and exception-based reporting. Options include:
- Shrink by Day & Time of Day:
  Know spikes in theft
- Shrink by Exit:
  Boost security near vulnerable exits
- Shrink by Category:
  Pinpoint merchandise most susceptible to shrink
- Total Corporate Shrink Events:
  Gain an enterprise-wide view

Product Compatibility:
- Sensormatic AM/RFID Hardtags
- EPC Gen2 Class 1 RFID Tags
- Digital Remote Alarm
- Xovis
- AM/RFID detacher
- TrueVUE Inventory Intelligence Software Reporting Platform

Specifications

Pedestal (assembled)
Height 183.6cm (72.3in)
Width 26.0cm (10.2in)
Depth 6.2cm (2.4in)
Weight 9.1kg (24lbs)

Multipurpose RFID Reader IDX-4000

Input PoE device Class ....IEEE 802.3at
Air Interface Protocol...................EPC Global
UHF Class 1 Gen 2/ISO 18000-6C

Frequency Bands
US ....902-928MHz (FCC)
EU ....865-868MHz (ETSI)
WW..Various

Networking

Protocol ....TCP/IP
Connection............................10/100 base-T
Switch Support ....IP Multicast
IP Configurations................DHCP or Static IP

Enviromental Constraints

Operating Temp ....0ºC to 50ºC (
32ºF to 122ºF)
Relative Humidity ....0 to 90%
Non-condensing
Enclosure IPX0

Declarations

EMC

47 CFR, Part 15
EN 301 489
EN 302-208
EN55024
ICES-003
RSS-210

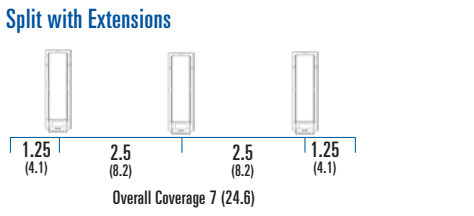See Individual Product Sheets if Additional Detailed Information is Required.

Safety

UL/EN 60950-1 (second edition)
CSA C22.2.60950-1
UL/EN 62368-1
CSA C22.2.62368-1

Configurations
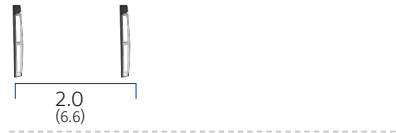
Measurements - meters (feet)

Single

1
(3.3)

1
(3.3)

Dual

2.0
(6.6)

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.

Product Codes	Single Left	Single Right	Dual	Xovis	Cool Gray	Charcoal
IDS1167-M1-CG-N1	●			●	●	
IDS1167-M2-CG-N1		●		●	●	
IDS1167-M3-CG-N1			●		●	
IDS1167-M4-CH-N1	●			●		●
IDS1167-M5-CH-N1		●		●		●
IDS1167-M6-CH-N1			●			●

*Note: Configured product codes above only for North America. Ordering for Rest of World (ROW) is modular in nature.

Smarter Loss Prevention

The Sensormatic Synergy RFID 2.5m ABS Pedestal system utilizes Radio Frequency Identification (RFID) technologies to provide inventory and shrink visibility. This provides Electronic Product Code (EPC) item-level insights for the storefront. The system offers real-time, item-level merchandise detection with pedestals spacing up to 2.5m (8ft 2in) with expanded capabilities of 10m (32.8ft) for wider exits in malls or retail shopping centers.

Sensormatic Synergy RFID-enabled pedestals give retailers the ability to know what went missing and when, for clearer insight into theft as it happens at the storefront.

By leveraging Sensormatic world class patented Precise Automated Inventory Recognition (PAIR) and the IDX-4000 RFID reader, retailers can capture true directionality of RFID-tagged products, to deliver EPC-level merchandise visibility. When utilizing TrueVUE shrink visibility reporting retailers gain a better understanding of loss events at the storefront and can target shrink mitigation efforts more precisely.

By integrating video capabilities, loss events can be captured and used as evidence and forensic analysis to help law enforcement prepare for, identify and prosecute offenders.

This all-in-one, network-connected solution not only provides visibility into merchandise at the item-level, but also updates alarm events, insights into traffic data and 24/7 remote-enabled maintenance monitoring.

Retailer Values

- Pinpoint vulnerable store areas with reports on when, what and how many items go missing
- Improve loss prevention decision-making with insights into shrink events and value of stolen items
- Replenish out-of-stocks rapidly with real-time, item-level reports of missing items
- Proactively identify and manage new shoplifting trends
- Improve conversion rates when using integrated people counting traffic intelligence data

Maximize On-Demand Analytics

The robust reporting platform features dashboards, operational insights and exception-based reporting.
Options include:

- Shrink by Day & Time of Day: Know spikes in theft
- Shrink by Exit: Boost security near vulnerable exits
- Shrink by Category: Pinpoint merchandise most susceptible to shrink
- Total Corporate Shrink Events: Gain an enterprise-wide view

Maximize Insights by Using

- Sensormatic Retail Reporting Platform to provide enterprise-wide visibility of real-time insight into shrink and additional critical store data
- RFID Tags and Detachers to harness item-level details and generate a range of shrink reports
- Video Integration to provide a better understanding of loss events around a store's perimeter

Sensormatic Solutions

www.sensormatic.com | 136

Option

Base Cover Accent Band
ZPS-ACCENT-3

Product Compatibility

AM/RFID Hard Tags
EPC Gen2 Class 1 RFID Tags
Digital Remote Alarm
Xovis
Synergy Camera
TrueVUE Inventory Intelligence – Reporting Platform

Specifications

Pedestal (assembled)

Height..................................165cm (65in)
Width...............................41.9cm (16.5in)
Depth.................................8.6cm (3.4in)
(at base)
Weight...............................16.3kg (36lbs)

Alarm

Audio Level...................................83dBA
LED Lights................Infinite RGB colors

Xovis

PoE Power Supply (IEEE 802.3af)
Power Consumption max. 5W

Multipurpose RFID Reader (IDX-4000)

Input PoE Power Supply (IEEE 802.3at)
Power Consumption max. 24W

See Individual Product Sheets if Additional Detailed Information is Required

RFID Specifications

Frequency Bands

US .... 902-928MHz (FCC)
EU .... 865-868 MHz (ETSI)

Multipurpose RFID Reader (IDX-4000)

Transmit Power .... +10.0 to +32.0 dBm
Receive Sensitivity .... -80.0 dBn
Air Interface Protocol.................... EPCglobal
UHF Class 1 Gen 2/ISO 18000-6C

Networking

Protocol ....TCP/IP
Connection............................10/100 base-T
Switch Support ....IP Multicast
IP Configurations.............. DHCP or Static IP

Environmental Constraints

Operating Temp ....0°C to 50°C
(32°F to 122°F)
Relative Humidity .... 0 to 90%
Non-condensing
Enclosure IPX0
Evaluated for altitudes less than 2000m (6500ft).

Declarations

EMC

47 CFR, Part 15
EN 300 330-2
EN 301 489-3
EN 301 489-1
EN55022
EN55024
ICES-003
RSS-210

Safety

UL 60950-1 (second edition)
CSA C22.2.60950-1
EN 60950-1

$C\!\epsilon$ This product is in conformity with RoHS II Directive 2011/65/EU and REACH Substances of Very High Concern as defined in Regulation (EC) No 1907/2006 and subsequent amendments to both.

Install Configurations - Examples

Measurements - meters (feet)

Single L   **Single Bl**   **Single R**

1.25 (4.1)   1.25 (4.1) 1.25 (4.1)   1.25 (4.1)

Dual   **Dual with Extensions**

2.5 (8.2)   1.25 (4.1) 2.5 (8.2) 1.25 (4.1)

Split

2.5 (8.2)   2.5 (8.2)

Overall Coverage 5 (16.4)

Split with Extensions

1.25 (4.1) 2.5 (8.2) 2.5 (8.2) 1.25 (4.1)

Overall Coverage 7 (24.6)

Quad

2.5 (8.2) 2.5 (8.2) 2.5 (8.2)

Overall Coverage 7.5 (24.6)

Quad with Extensions

1.25 (4.1) 2.5 (8.2) 2.5 (8.2) 2.5 (8.2) 1.25 (4.1)

Overall Coverage 10 (32.8)
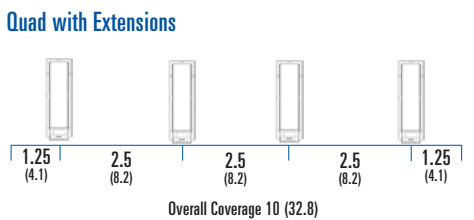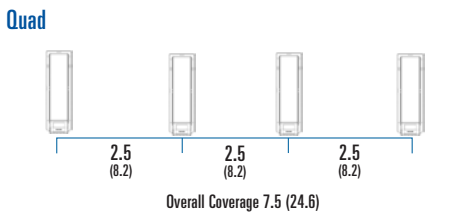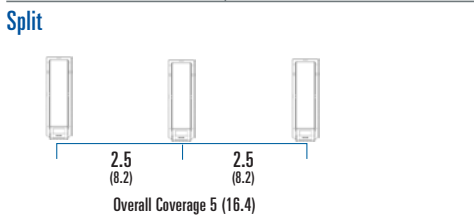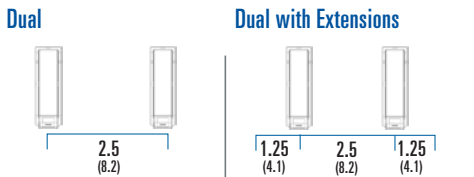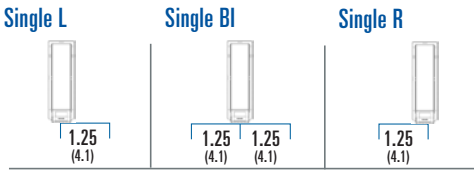
Product Codes	Single Left Antenna	Single Right Antenna	Single-BI Antenna	Dual 2.5 Antennas	Split 2.5 Antennas	Quad 2.5 Antennas	Xovis PC-2 Traffic Sensor	Cool Gray	Charcoal
IDS1188-1A-CG-N1	●						●	●	
IDS1188-2A-CG-N1		●					●	●	
IDS1188-3A-CG-N1			●				●	●	
IDS1188-4A-CG-N1				●				●	
IDS1188-5A-CG-N1					●			●	
IDS1188-6A-CG-N1						●		●	
IDS1188-1A-CH-N1	●						●		●
IDS1188-2A-CH-N1		●					●		●
IDS1188-3A-CH-N1			●				●		●
IDS1188-4A-CH-N1				●					●
IDS1188-5A-CH-N1					●				●
IDS1188-6A-CH-N1						●			●

Please see hardware add-on options in the accessory section.

Note:

Configured product codes above are only for North America. Ordering for Rest of World (ROW) is modular in nature. Please refer to individual product sheets.

PEDESTAL

The Sensormatic Synergy Camera layers video surveillance onto compatible Synergy detection systems for real-time insight into loss events. The camera provides a video stream or image snapshot of a loss event as it occurs at the storefront to identify potential thieves, help control shrink, and increase safety for staff and customers.

The low-profile, high-performance camera mounts to a compatible Sensormatic Synergy pedestal and can automatically capture, store, and transmit visual notifications every time an alarm is detected. Store associates are immediately notified for instant verification of possible offender(s), or for a historical archive that can be reviewed any time for post event investigation. Clear, high-definition (HD) video recordings and snapshots can be triggered from pedestal alarms that include: Jammer and metal-foil detection, blocked sensors, deactivator offline, power save on or off, tags-too-close and alarm count.

This visual verification can be shared with stores, other retail chains and law enforcement to help combat Organized Retail Crime.

NOTE: The Synergy Camera can be integrated with any IP based Network Video Recorder (NVR) or Video Management System (VMS) and is automatically supported by Tyco's TrueVUE Enterprise, VideoEdge and exacqVision IP video platforms.

Mobile device provides access to live and recorded exacqVision video. Exacq Mobile 3 App is available for IOS and Android devices.

Retailer Values

- Mounts on pedestal for a direct line of sight into real-time alarm event
- Enables easy identification of unique loss event with alarm time stamp
- Improves real-time response to shrinkage control
- Delivers HD quality images of potential theft events in real time to improve associate response times
- Loss events captured thru the camera can be used for post-event forensic evidence with law enforcement

Product Codes

Synergy Camera Kit - Cool Gray
ZPS-CAMERA-CG

ZPS-PEDCAM Illustra Pro 2MP Micro, 2.6mm, ZPS-CAMENC-CG Synergy Camera Enclosure Cool Gray, ZPS-CAMCRW-CG Synergy Camera CBL Raceway Cool Gray

Synergy Camera Kit - Charcoal
ZPS-CAMERA-CH

ZPS-PEDCAM Illustra Pro 2MP Micro, 2.6mm, ZPS-CAMENC-CH Synergy Camera Enclosure Charcoal, ZPS-CAMCRW-CG Synergy Camera CBL Raceway Charcoal

Product Compatibility

- Sensormatic Synergy 2.5 ABS Pedestal
- Sensormatic Synergy 2.5 Self-Contained Pedestal
- Sensormatic Synergy 2.0 ABS Pedestal
- Sensormatic Synergy RFID Retrofit Panel

Specifications

Camera Enclosure
Length......................................9.6cm (3.8in)
Width.......................................3.5cm (1.4in)
Height......................................5.1cm (2.0in)
Camera + Enclosure + Raceway
Weight.....................................717g (1.58lbs)

Camera Module

Lens Focal Length 2.6mm, F.28
Image Sensor......................................CMOS
Iris .... Fixed
Effective Pixels...........................1920 x 1080
Scanning System ....Progressive
Resolution 1080p (1920 x1080)
AGC Control .... Auto
Day & Night.....................Digital Day & Night
Wide Dynamic Range.........................Digital

Min. Illumination

Color 1Lux
BW ....0.01Lux (DSS ON)

Video

Compression Format
H.264 Baseline, Main, High profile (MPEG-4
Part 10/AVC), MJPEG (Motion JPEG)
Max Frame Rate   30fps@1080p

Function

Digital input/output ....1/1 channel
Network .... 10/100 Base T

Power over Ethernet
Supported Protocol....................QoS Layer 3
DiffServ, TCP/IP UDP/IP, HTTP, HTTPS, FTP,
RTSP, RTCP, RTP/UDP, RTP/TCP, mDNS,
UPnP™, SMTP, DHCP, DNS, DynDNS, NTP,
SNMPv1 v2c/v3(MIB-II), IGMP, ICMP, SSLv2
v3, TLSv1

SD Slot
1 x microSD memory card slot
(SD/SDHC up to 32GB supported)
(Class 4 and higher recommended for HD
recordings)

Special Features

Orientation Control ....Flip & Mirror
Dynamic 2D Digital Noise Reduction
(DNR) ....Supported (1approx 15)

Smart Bitrate Control .... Supported
(in VBR mode)

Back Light Compensation: On (5 zones)/Off
Wide Dynamic Range........................ On/Off
Effective Pixels...........................1920 x 1080

Soft Day & Night
Auto/Day/Night (adjustable thresholds)

Environmental

Ambient Temperature
-10°C to 50°C (14°F to 122°F)

Relative Humidity
0 to 85% non-condensing

Enclosure Rating
IPXO

Storage Temperature
-40°C to 60°C (-40°F to 140°F)

Declarations

EMC
FCC Part 15 Class A
EN 55022 Class A
AS/NZS CISPR 22 Class A
ICES-003/NMB-003 Class A

Safety
UL 609501
IEC 60950-1
CSA C22.2.60950
EN 60950-1

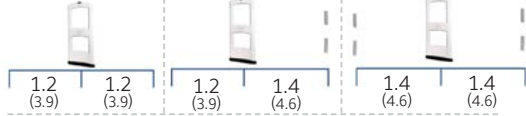### Immunity
EN55024
EN61000-6-1
IEC 62599-2

CE This product is in conformity with RoHS
Directive 2011/65/EU, 2015/863/EU and REACH
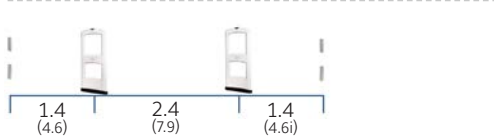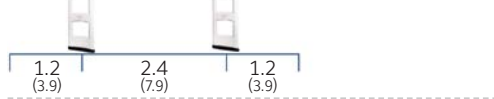regulation as defined in EC No 1907/2006 and
subsequent amendments.

Wide angle lens that captures 104° field of view with a 2.6mm focal length

A durable, all-weather anti-theft solution ideal for outdoor retail settings.

The high-impact construction and attractive design of the Pro-Max provides all-weather durability and performance; making it an ideal solution for DIY outdoor patios. This detection system features Sensormatic AM EAS technology for the highest level of theft detection and protection for wide exits up to 10.7m (35ft) with a minimum 1.2m (4ft) of coverage between pedestals. Multiple pedestal systems can be set up for zone detection and only activate alarms on the pedestal closest to where a live tag or label is detected. Each pedestal is equipped with integrated visual and audible alarms to notify store associates if protected merchandise passes through the detection zone.

Through system configuration, "Tags-too-Close" is an offered feature developed to help store associates better manage merchandising of tagged goods at the front of the store. This feature helps reduce unnecessary and costly service calls and decreases nuisance alarms to enhance the shopper experience. Another system-configured feature is Jammer Detection. This

software triggers a pedestal alarm as soon as an electronic signal from a Jammer device is detected; helping eliminate the threat of would-be thieves using this method.

Pro-Max provides in-store EAS and Traffic Intelligence when connected to a compatible data management device to help better manage store operations.

Retailer Values
- All-weather design can be installed outdoors without an additional cover
- Zone detection helps associates quickly pinpoint detection event location
- Built-in visual and audible indicators immediately notify staff of alarm events
- When connected to a compatible data management device, this system provides in-store EAS and Traffic Intelligence to better manage store operations
- "Tags-too-Close" feature helps reduce unnecessary and costly service calls and helps manage merchandising of tagged products at the store front
- Jammer detection helps reduce shrink by notifying staff of attempts to disable the EAS system using a separate audible alarm

Product Compatibility
- Sensormatic AM Sensors
- Wireless Device Manager
- Wireless Module
- Shrink Management as a Service (SMaaS)
- Stereo Overhead Traffic Sensor
- Mono Overhead Traffic Sensor
- Digital Remote Alarm

Specifications
Height 159cm (62.5in)

Width
Pedestal Width...................... 68cm (26.75in)
Base Shroud Width 72cm (28.5in)

Thickness/Depth
Base Shroud Depth 10cm (4in)
Weight 14kg (31lbs)

Electrical

Transmitter

Operating Frequency .... 58 kHz (±200Hz)
Transmit Burst Duration 1.6ms
Transmit Current .... 20A peak

Burst Repetition Rate

Based on 50Hz ac .... 75Hz or 37.5Hz
Based on 60Hz ac .... 90Hz or 45Hz

Receiver

Center Frequency................................58kHz
Receiver Coil Resistance ....1.6 ohms (±5%)

Alarm

Alarm Relay Output................DPDT contacts
Contact Switching Current .... 1.0A max
Contact Switching Voltage.............. 28V max

Environmental Constraints

Ambient Temperature

0°C to 50°C (32°F to 122°F)

Relative Humidity

0 to 90%, non-condensing

Declarations

EMC

47 CFR, Part 15
RSS 210
ICES-003

Safety (second edition)

IEC 60950-1

ZSPM4-OD only

NEMA 3R, IP43

This product is in conformity with RoHS
Directive 2011/65/EU, 2015/863/EU and
REACH regulation as defined in EC No
1907/2006 and subsequent amendments.
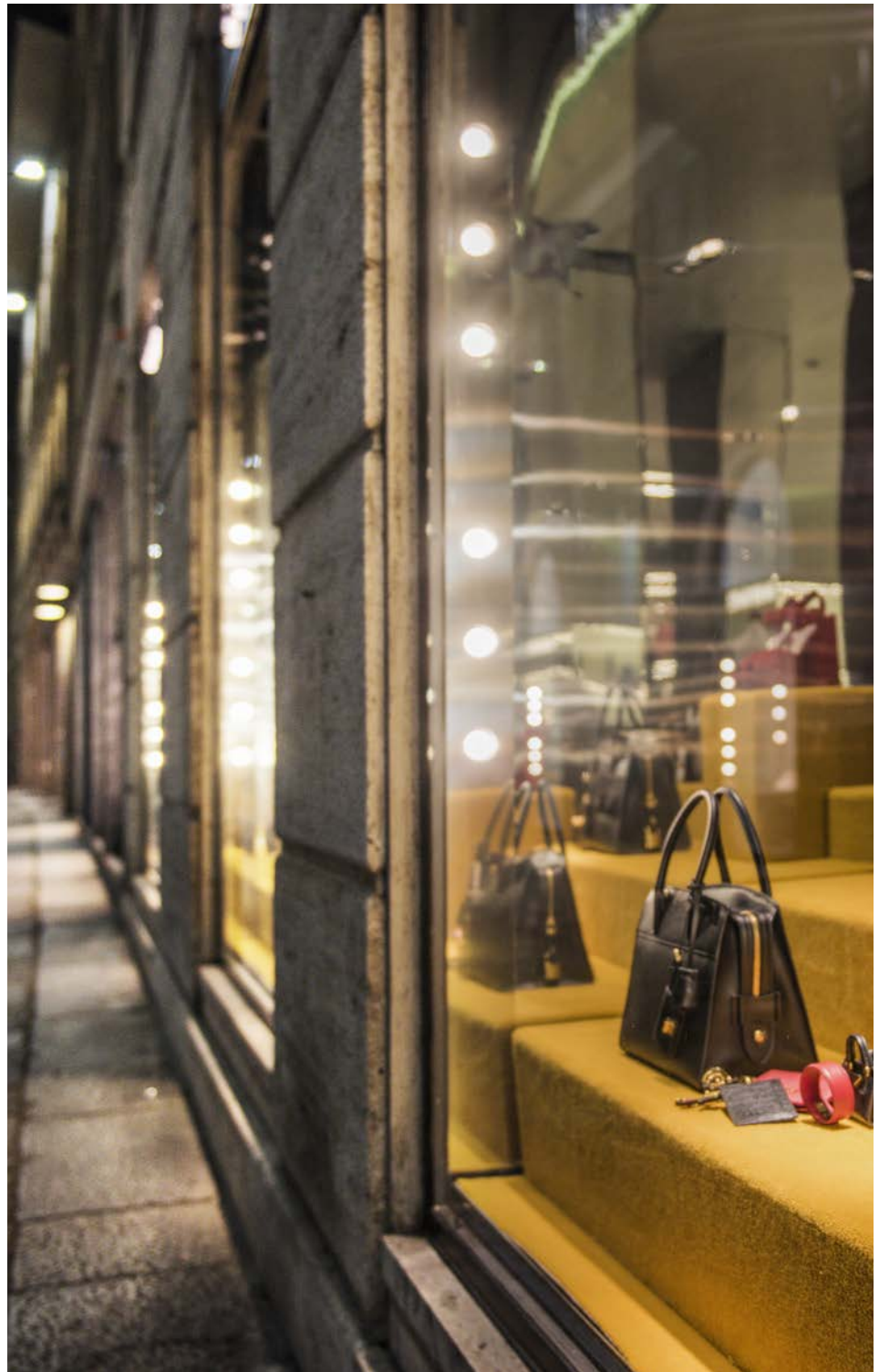
Configurations for countries in the EU/EFTA and those using similar rules and standards.

Measurements – meters (feet)

Single

| 1.2 (3.9) | 1.2 (3.9) | 1.2 (3.9) | 1.4 (4.6) | 1.4 (4.6) | 1.4 (4.6) |

Dual

| 1.2 (3.9) | 2.4 (7.9) | 1.2 (3.9) |
| 1.4 (4.6) | 2.4 (7.9) | 1.4 (4.6i) |

Split

| 1.2 (3.9) | 2.4 (7.9) | 2.4 (7.9) | 1.2 (3.9) |

Quad

| 1.2 (3.9) | 2.4 (7.9) | 2.4 (7.9) | 2.4 (7.9) | 1.2 (3.9) |
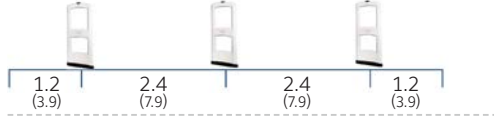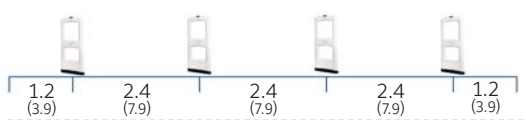
Configurations for the Rest of the World (ROW)

Single (ROW)

| 1.2 (3.9) | 1.2 (3.9) | 1.3 (4.3) | 1.4 (4.6) | 1.4 (4.6) | 1.4 (4.6) |

Dual (ROW)

| 1.3 (4.3) | 2.7 (8.9) | 1.35 (4.4) |
| 1.4 (4.6) | 2.7 (7.9) | 1.4 (4.6) |

Split (ROW)

| 1.3 (4.3) | 2.7 (8.9) | 2.7 (8.9) | 1.3 (4.3) |

Quad (ROW)

| 1.3 (4.3) | 2.7 (8.9) | 2.7 (8.9) | 2.7 (8.9) | 1.3 (4.3) |
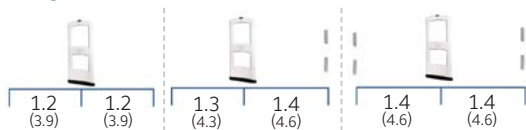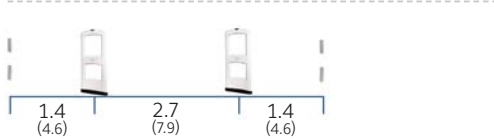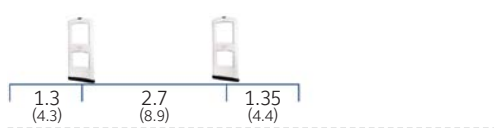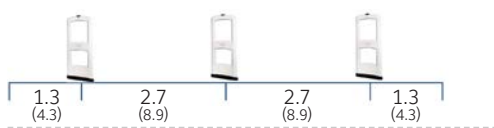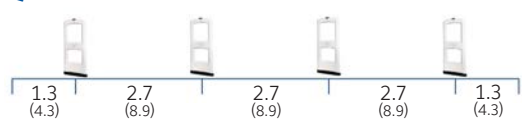
Product Codes	Single Digital Antenna(s)	Dual Digital Antenna(s)	Split Digital Antenna(s)	Quad Digital Antenna(s)	Single Outdoor Digital Antenna(s)	Dual Outdoor Digital Antenna(s)	Split Outdoor Digital Antenna(s)	Quad Outdoor Digital Antenna(s)	AMS9060 Controller
ZSPM5	●								
ZAPM5-1	●								●
ZAPM5-2		●							●
ZAPM5-3			●						●
ZAPM5-4				●					●
ZAPM5-OD1					●				●
ZAPM5-OD2						●			●
ZAPM5-OD3							●		●
ZAPM5-OD4								●	●

Please see hardware add-on options in the Accessory section

Pedestal   Rangers   Satellite

Energy-efficient pedestal saves on power without sacrificing performance.

The energy-efficient Ultra·Post provides superior Sensormatic AM EAS anti-theft protection with up to 1.8m (6ft) of coverage between pedestals. The on-board electronics are contained within the base cover of the primary pedestal, eliminating the need for an external controller, and reducing installation and maintenance costs. The integrated audio and visual alarms notify store personnel if protected merchandise passes through the detection zone.

The optional integrated Traffic Counter add-on device provides visibility into shopper traffic patterns and directional traffic information that is customizable to control alarm events. This add-on also provides visibility into shopper directionality by discerning between inbound and outbound traffic and helps virtually eliminate unintended EAS alarms triggered by shoppers carrying tagged goods near EAS detectors. The integrated Traffic Counter also provides the "power-on-demand" feature that places this dual detection system into low-power standby mode

during periods of low or no traffic activity to reduce power consumption up to 86% when in this mode.

Through system configuration, "Tags-too-Close" is an offered feature developed to help store associates better manage merchandising of tagged goods at the front of the store. This feature helps reduce unnecessary and costly service calls and decreases nuisance alarms to enhance the shopper experience. Another system-configured feature is Jammer Detection. This software triggers a pedestal alarm as soon as an electronic signal from a Jammer device is detected; helping eliminate the threat of would-be thieves using this method.

The optional Advertising Upgrade Kit leverages valuable pedestal real estate at the store entrance to reach a large number of shoppers on-the-move. The easy-to-install poster helps draw shoppers into the retail environment with advertisements, modern designs or simple low-cost printed graphics. This add-on also provides an opportunity to generate additional marketing co-op profit by biding out this valuable advertising space to vendors.

Retailer Values
· Consumes up to 40% less power out-of-the-box than previous Ultra·Post systems, without sacrificing performance
· Consistent 1.8m (6ft) global detection performance protects critical assets
· Integrated traffic counting option provides Traffic Intelligence and directionality to calculate conversion rates and maximize store performance
· EAS Intelligence option allows delivery of in-store operational information to better manage loss prevention and store operation efforts
· "Tags-too-Close" feature helps reduce unnecessary and costly service calls and helps manage merchandising of tagged products at the store front
· Jammer Detection helps reduce shrink by notifying staff of attempts to disable the EAS system using a separate audible alarm
· Advertising Upgrade Kit offers a flexible medium to reach a large number of shoppers on the move

Product Compatibility

- Sensormatic AM Sensors
- 9.75m Concealed Floor System
- 8.5m Concealed Floor System
- 7.5m Concealed Floor System
- Floor-Max Concealed Floor System
- Ranger Receivers
- Satellite Receivers
- Amorphous Core Receiver
- Integrated Traffic Counter
- Stereo Overhead Traffic Sensor
- Mono Overhead Traffic Sensor
- Wireless Device Manager
- Wireless Module
- Shrink Management as a Service (SMaaS) Digital Remote Alarm

Specifications

Height 145cm (57in)
Width 41cm (16.1in)
Thickness/Depth .... 11.5cm (4.5in) (base)

Weight

Primary Pedestal 15.1kg (33.3lbs)
Secondary Pedestal 14kg (30.9lbs)

Electrical

Transmitter

Outputs .... 1 port (two antennas, multiplexed

Operating Frequency .... 58kHz (±200Hz)
Transmit Burst Duration 1.6ms
Transmit Current (nominal) ....37A peak

Burst Repetition Rate

Based on 50Hz ac 37.5Hz/75Hz
Based on 60Hz ac 45Hz/90Hz
Transmit coil resistance ......0.11 ohms (±2%)

Receiver

Inputs ....8 ports
Center Frequency............................... 58kHz
Transmit coil resistance ......0.11 ohms (±2%)

Alarm

Alarm Relay Output................DPDT contacts
Contact Switching Current ....1.0A max
Contact Switching Voltage.............28V max.
Lamp/Audio Duration ....1–30 sec. (1 sec. increments)
Audio Level .... 89B(A)

Environmental Constraints

Ambient Temperature

0°C to 50°C (32°F to 122°F)

Relative Humidity

0 to 90%, non-condensing

Declarations

EMC

47 CFR, Part 15

EN 300 330

EN 301 489

RSS-210

Safety

IEC 60950-1

Consumer Awareness:
Although this anti-theft system complies with all applicable safety standards, poster inserts must be designed to avoid creating any delay in customer movement through the system. Medical implant wearers are instructed by their physicians not to linger near, or lean on, anti-theft system pedestals. Graphic inserts should not encourage them to linger or lean.

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.

Configurations

Measurements – meters (feet)

Single

.9 (3.0) .9 (3.0)

.5 (1.7) 1 (3.3) with Backfield Reduction

.5 (1.7) 1 (3.3) with Backfield Reduction

no Backfield Reduction
.9 (3.0) 1.3 (4.25)

no Backfield Reduction
.9 (3.0) 1.1 (3.5)

.9 (3.0) 1.4 (4.5) with Backfield Reduction

1.3 (4.25) 1.3 (4.25)

1.3 (4.25) 1.3 (4.25)

1.4 (4.5) 1.4 (4.5)

Dual

no Backfield Reduction
.9 (3.0) 1.8 (6.0) .9 (3.0)

1.3 (4.25) 1.8 (6.0) .9 (3.0)

with Backfield Reduction
.5 (1.7) 1.3 (3.25) .5 (1.7)

1.3 (4.25) 1.8 (6.0) 1.3 (4.25)
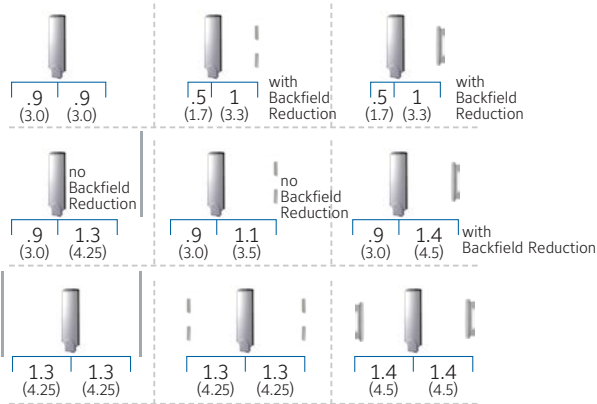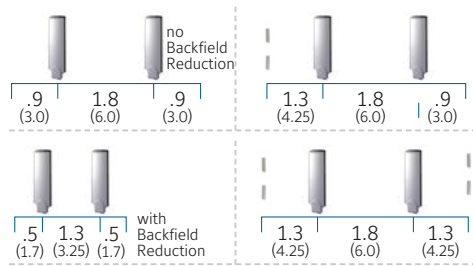
Dual Install w/one side secondary

1.5 (5.0) 1.8 (6.0) .9 (3.0)
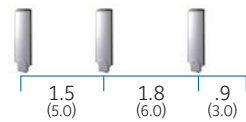
Dual Install w/two side secondary

1.5 (5.0) 1.8 (6.0) 1.5 (5.0)

Split

.9 (3.0) 1.8 (6.0) 1.8 (6.0) .9 (3.0)
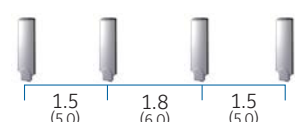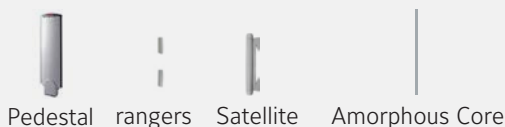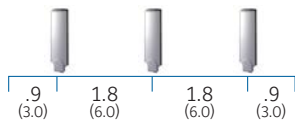
Product Codes	Primary Antenna(s)	Secondary Antenna(s)	Single Antenna(s)	Dual Antenna(s)	4m (13ft) Cable	12m (40ft) Cable	15m (50ft) Cable
ZS1014-P	●						
ZS1014-S		●					
ZA1014-1			●				
ZA1014-2-4M				●	●		
ZA1014-2-12M				●		●	
ZA1014-2-15M				●			●

Please see hardware add–on options in the Accessory section

Pedestal rangers Satellite Amorphous Core
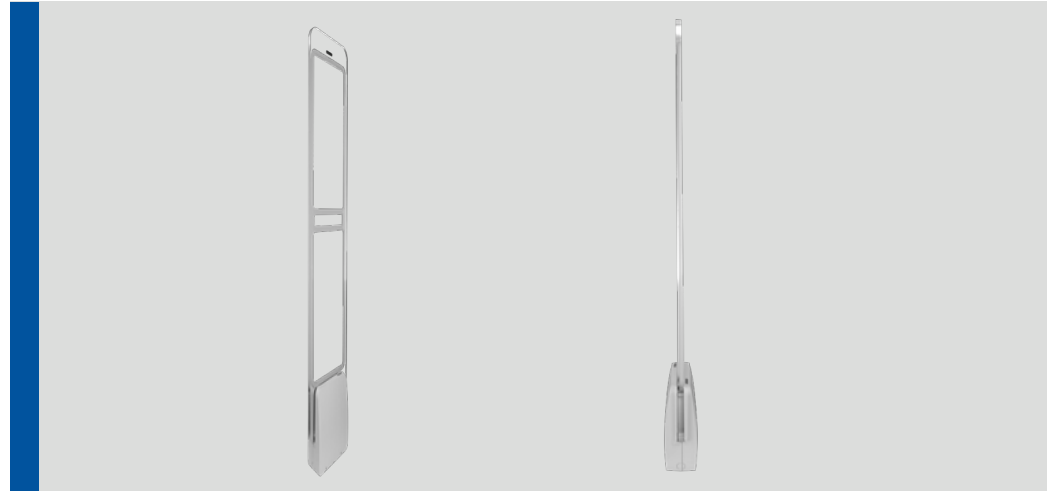
Combines simplicity and reliability for an attractive, affordable anti-theft solution.

The Ultra 1.8m Acrylic Pedestal combines simplicity with reliable performance to deliver an affordable, attractive anti-shoplifting solution. Constructed from high-grade, durable acrylic, this pedestal provides a transparent, sophisticated look at store entrances. The system supports pedestal spacing up to 1.8m (5.9ft) with expanded capabilities of 7.2m (23ft) when powered by the AMS9060 controller. The integrated alarm provides a unique alarm to notify store personnel if protected merchandise passes through the detecton zone. Each pedestal fully illuminates with a blue light for visual notification and deterrence during an alarm event.

Through system configuration, "Tags-too-Close" is an offered feature developed to help store associates better manage merchandising of tagged goods at the front of the store. This feature helps reduce unnecessary and costly service calls and decreases nuisance alarms to enhance the shopper experience. Another system-configured feature is Jammer Detection which triggers a pedestal alarm as soon as an electronic signal from a Jammer device is detected, helping eliminate the threat of would-be thieves using this method. The Ultra 1.8m Acrylic Pedestal can be inte-

grated with Sensormatic Shrink Management as a Service (SMaaS) which provides device management to ensure reliability and optimal system performance, data insights to proactively manage shrink and combat ORC activity.

Retailer Values

- Ideal for protecting exits up to 7.2m (23.7ft)
- Modern, transparent design compliments any store setting
- A unique blue illumination light to provide visual notification of alarm events
- Integrated audible alarm notifies store associates of alarm events
- "Tags-too-Close" feature helps reduce unnecessary and costly service calls and manage merchandising of tagged products at the store front
- Jammer detection helps reduce shrink by notifying staff of attempts to disable the EAS system using a separate audible alarm
- Service connection port allows full system software control at any antenna, helping reduce in-store service time
- When powered by the AMS9060 Controller, optional Metal-Foil Detection alerts staff when foil-lined bags or clothing enter the store, helping combat shrink and ORC

Product Compatibility

AMS9060 Controller

- Stereo Overhead Traffic Sensor
- Mono Overhead Traffic Sensor
- 3D Overhead Traffic Counting Sensor
- Sensormatic Metal-Foil Detection
- Sensormatic Synergy Network Card

AMS9060 & AMS9080 Controllers

- Sensormatic AM Sensors
- Satellite Receiver
- Ranger Antenna
- Amorphous Core Antenna
- Digital Remote Alarm
- Shrink Management as a Service (SMaaS)
- Wireless Device Manager
- Wireless Module

Specifications

Height 145cm (4.75ft)
Width 32.4cm (1.06ft)
Depth (w/ base covers).........10.9cm (4.29in)
Weight (w/base covers) 11.8kg (26lb)

Electrical

Power Supply
Primary Input
100-120Vac or 220-240Vac @ 50-60Hz

Primary Power Fuse ....3.15A, 250V, slo-blow, hi-breaking

One pedestal
Center Frequency.................................58kHz
Current Draw (240V).................... <0.37Arms
Input Power (120V) ....<57W
Input Power (240V)..............................<57W

Transmitter Operating Frequency
58kHz (+200Hz) (sync pulse) 56kHz

Transmit Burst Duration 1.6ms

Transmit Current
Max (2.5m pedestals).....................20A peak

Transmit Current
Max (2.0m pedestals).....................16A peak

Burst Repetition Rate
Based on 50Hz ac ....75Hz or 37.5Hz
Based on 60Hz ac ....90Hz or 45Hz

Receiver
Center Frequency.................................58kHz

Environmental Constraints
Ambient Temperature
0°C to 50°C (32°F to 122°F)

Relative Humidity
0 to 90% non-condensing

Enclosure Rating
IPX0
Evaluated for altitudes less than 3000m (9800ft)

Declarations

EMC
47 CFR, Part 15
EN 300 330-2
EN 301 489-3
EN 301 489-1
EN 55022
EN55024
ICES-003
RSS-210

Safety
UL/EN 60950-1 (Second Edition)
EN 62368-1 (Second Edition)
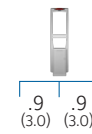CSA C22.2.60950-1

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.

Pedestal

Configurations

Measurements - meters (feet)

Single

.9 (3.0)   .9 (3.0)

Dual

.9 (3.0)   1.8 (5.9)   .9 (3.0)

Split

.9 (3.0)   1.8 (5.9)   1.8 (5.9)   .9 (3.0)

Quad

.9 (3.0)   1.8 (5.9)   1.8 (5.9)   1.8 (5.9)   .9 (3.0)
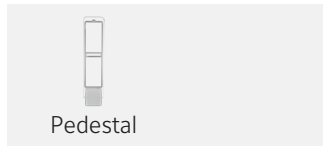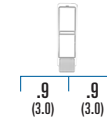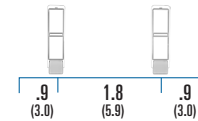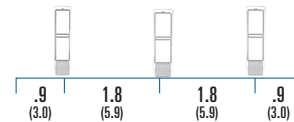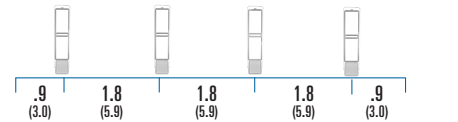
Ultra 1.8m Acrylic Pedestal with AMS9060 Controller

Product Codes

	1.8m Antenna	Single 1.8m Antenna	Dual 1.8m Antennas	Split 1.8m Antennas	Quad 1.8m Antennas	AMS9060 Controller
ZS1156	●					
ZA1156-SC-12M-1 (w/ 12M interconnect)		●				●
ZA1156-SC-12M-2 (w/ 12M interconnect)			●			●
ZA1156-SC-12M-3 (w/ 12M interconnect)				●		●
ZA1156-SC-12M-4 (w/ 12M interconnect)					●	●

Optional: ZP1156-IC-15M: Interconnect Kit, 15M
*Contact Sales team representative for ordering information on the Ultra 1.8m Acrylic Pedestal with the AMS9080 Controller.

Affordable anti-theft protection in a modern, durable design.

The new Ultra 1.8 ABS self-contained AM EAS system offers retailers an affordable and reliable anti-theft solution. The pedestal's sleek open frame blends seamlessly into any retail setting while providing a visual deterrent against theft and delivering superior pick rates in all environments, even noisy ones.

The on-board electronics are contained within the base cover of the primary pedestal, eliminating the need for an external controller and reducing installation and maintenance costs. The coverage area is 0.9m (3 ft) for a single door and 1.8m (6 ft) for double doors. The integrated alarm located in the base of the primary pedestal uses a distinguished audible alarm to notify store personnel if protected merchandise passes through the detection zone and also illuminates red for visual notification.

Through system configuration, "Tags-too-Close" is an offered feature developed to help store associates better manage merchandising of tagged goods at the front of the store. This feature helps reduce unnecessary and costly service calls and decreases nuisance alarms to enhance the shopper experience.

Retailer Values
- Provides shoplifting coverage up to 1.8m (6 ft) between pedestals to protect critical assets
- Delivers superior pick rates in all environments
- Jammer detection combats organized retail crime
- High-impact ABS construction provides long-term durability for virtually any retail setting
- Integrated audible and visual indicators immediately notify store associates of alarm events
- EAS Intelligence option allows for delivery of in-store metrics to better manage loss prevention and optimize store operations
- "Tags-too-Close" feature helps reduce unnecessary and costly service calls and helps manage merchandising of tagged products at the storefront
- Electronics are located in the primary pedestal to help reduce install and maintenance costs

Product Code
ZS1145-P
Primary Pedestal, LT Gray, 1.8m

ZS1145-S
Secondary Pedestal, LT Gray, 1.8m

ZA1145-D
Dual Pedestal, LT Gray, 1.8m
(Single primary pedestal, secondary pedestal, 4m (13ft) interconnect cable kit)

ZA1145-SPLIT
Split Pedestal, LT Gray, 1.8m
(Two primary pedestals, secondary pedestal, 4m (13ft) interconnect cable kit)

Product Compatibility
- Ranger Receivers
- Satellite Receivers
- Amorphous Core Receivers
- Sensormatic AM Sensors
- Wireless Device Manager
- Wireless Module
- Shrink Management as a Service (SMaaS)
- Digital Remote Alarm

Specifications

Height 137cm (54in)
Width 35.8mm (14in)

Thickness/Depth

At base w/o cover....................... 7.5cm (3in)

Weight (w/cover)

Primary 7.3kg (16lb)
Secondary..................................6.4kg (14lb)

Electrical

Transmitter

Operating Frequency .... 58kHz (+200Hz)
Transmit Burst Duration 1.6ms

Burst Repetition Rate

Based on 50Hz ac 37.5Hz/75Hz
Based on 60Hz ac 45Hz/90Hz
Transmit Coil Resistance ....0.11ohms(±2%)

Receiver

Inputs ....8 ports
Center Frequency............................... 58kHz
Receive Coil Resistance ....0.11ohms(±2%)

Alarm

Audio Relay Output............... DPDT contacts
Contact Switching Current ....1.0A max.
Contact Switching Voltage.............28V max.
Lamp/Audio Duration ....1-30 sec
(1 sec. increments)
Audio Level .... 89dB(A)

Environmental Constraints

Ambient Temperature

0°C to 50°C (32°F to 122°F)

Relative Humidity

0 to 90%, non-condensing

Enclosure

IPX0
Evaluated for altitudes less than 3200m
(10,500ft)

Declarations

EMC

· 47 CFR, Part 15
· EN 300 330-2
· EN 300 489-1
· EN 300 489-3
· RSS-210

Safety

· UL 60950-1
· CSA-C22.2.60950-1
· EN60950-1

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.

Configurations

Measurements - meters (feet)

Single

.9
(3.0)   .9
(3.0)

Dual

.9
(3.0)   1.8
(6.0)   .9
(3.0)

Split

.9
(3.0)   1.8
(6.0)   1.8
(6.0)   .9
(3.0)

Pedestal   rangers   Satellite   Amorphous Core
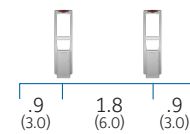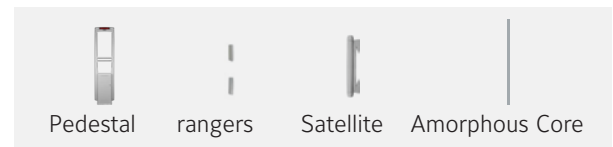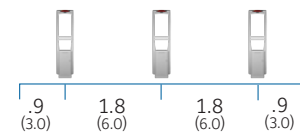
Product Codes	Single primary pedestal	Single secondary pedestal	Two primary pedestals and a secondary pedestal	4 meter (13 ft.) interconnect cable kit
ZS1145-P	●			
ZS1145-S		●		
ZA1145-D	●	●		●
ZA1145-SPLIT			●	●

The Ultra 1.5m ABS Pedestal combines simplicity with reliable performance, creating an affordable AM EAS anti-theft solution while providing a visual deterrent against theft.

The electronics are contained within the base of the primary pedestal, eliminating the need for an external controller, reducing installation and maintenance costs. The coverage area is 0.9m (3ft) for a single door and 1.5m (5ft) for double doors. Equipped with integrated visual and audible alarms this pedestal will notify store personnel if protected merchandise passes through the detection zone.

Through system configuration, "Tags-too-Close" is an offered feature developed to help store associates better manage merchandising of tagged goods at the front of the store. This feature helps reduce unnecessary and costly service calls and decreases nuisance alarms to enhance the shopper experience.

Retailer Values

- Electronics are located in the primary pedestal to help reduce install and maintenance costs
- Provides shoplifting coverage up to 1.5m (5ft) between pedestals to protect critical assets
- High-impact ABS construction provides long-term durability for virtually any retail setting
- Integrated audible and visual indicators immediately notify store associates of alarm events
- "Tags-too-Close" feature helps reduce unnecessary and costly service calls and helps manage merchandising of tagged products at the storefront

Product Code

Contact Sales team representative for ordering information

Product Compatibility

- Ranger Antenna
- Satellite Receivers
- Amorphous Core Antenna
- Sensormatic AM Tags & Labels
- Shrink Managment as a Service (SMaaS)
- Wireless Device Manager
- Wireless Module
- Digital Remote Alarm

Specifications

Height 134.5cm (52.9in)
Width 35cm (13.8in)

Thickness/Depth

At base w/o cover................... 11.9cm (4.7in)

Weight (w/cover)
Primary 10.84kg (23.9lbs
Secondary...........................9.72kg (21.45lbs)

Weight (w/o cover)

Primary 7.36kg (16.2lb)
Secondary...............................6.2kg (13.75lb)

Electrical

Transmitter
Operating Frequency .... 58kHz (+200Hz)
Transmit Burst Duration 1.6ms

Burst Repetition Rate
Based on 50Hz ac 37.5Hz/75Hz
Based on 60Hz ac 45Hz/90Hz
Transmit Coil Resistance .... 0.11ohms(±2%)

Receiver
Inputs .... 8 ports
Center Frequency............................... 58kHz
Receive Coil Resistance .... 0.11ohms(±2%)

Alarm
Audio Relay Output .... DPDT contacts
Contact Switching Current .... 0A max.
Contact Switching Voltage .... 28V max.
Lamp/Audio Duration .... 1-30 sec.
(1 sec. increments)
Audio Level .... 89dB(A)

Environmental Constraints

Operating Temperature
0°C to 50°C (32°F to 122°F)

Relative Humidity
0 to 90% non-condensing

Enclosure
IPX0
Evaluated for altitudes less than 3200m
(10,500ft)

Declarations

EMC
47 CFR, Part 15
EN 300 330
EN 301 489-1
EN 301 489-3
EN 61000-3-2
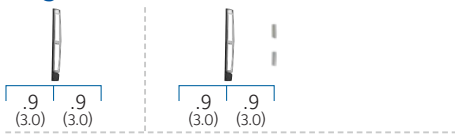EN 61000-3-3
ICES-003
RSS-210

Safety
UL/EN 60950-1
CSA-C22.2.60950-1

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.
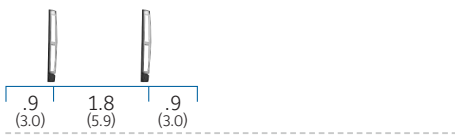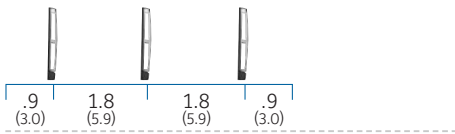
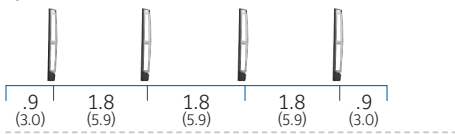## Configurations

Measurements – meters (feet)

Single

.9
(3.0)   .9
(3.0)

Dual

1.5
(5.0)
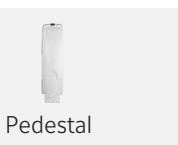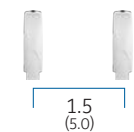
Pedestal

Attractive, slender design compliments any store environment.

The Door-Max features Sensormatic AM EAS technology in an attractive, slender antenna to protect exits up to 1.8m (6ft) wide. Attached to door frames, glass and other surfaces, this detection system compliments any store decor whether in a shopping mall or a stylish boutique. The Door-Max is compatible with Sensormatic auxiliary receivers for a cost-effective alternative with comparable detection performance. The integrated audio and visual alarms notify store personnel if protected merchandise passes through the detection zone.

Through system configuration, "Tags-too-Close" is an offered feature developed to help store associates better manage merchandising of tagged goods at the front of the store. This feature helps reduce unnecessary and costly service calls and decreases nuisance alarms to enhance the shopper experience. Another system-configured feature is Jammer Detection. This software triggers a pedestal alarm as soon as an electronic signal from a Jammer device is detected; helping eliminate the threat of would-be thieves using this method.

Door-Max provides in-store EAS and Traffic Intelligence when connected to a compatible data management device to better manage store operations.

Retailer Values

- Sleek, modern antenna compliments any store entrance
- Built-in visual and audible indicators immediately notify store associates of alarm events
- When connected to a compatible data management device, this system provides in-store EAS and Traffic Intelligence to better manage store operations
- "Tags-too-Close" feature helps reduce unnecessary and costly service calls and helps manage merchandising of tagged products at the store front
- Jammer Detection helps reduce shrink by notifying staff of attempts to disable the EAS system using a separate audible alarm

Product Compatibility

- Sensormatic AM Sensors
- Ranger Receivers
- Satellite Receivers
- Amorphous Core Receiver
- Stereo Overhead Traffic Sensor
- Mono Overhead Traffic Sensor
- Wireless Device Manager
- Wireless Module
- Shrink Management as a Service (SMaaS)
- Digital Remote Alarm

Specifications

Height 183.9cm (72.4in)
Width 24cm (9.4in)
Thickness/Depth 4.4cm (1.7in)
Weight 11.6kg (25.5lbs)

Electrical

Receiver
Center Frequency................................ 58kHz
Receive Coil Resistance .... 1.6 ohms (±5%)

Alarm
Audio Level 109dBA

Environmental Constraints

Ambient Temperature
0°C to 50°C (32°F to 122°F)

Relative Humidity
0 to 90%, non-condensing

Enclosure
IPx0
Evaluated for altitudes less than 3200m (10,500ft)

Declarations

EMC
47 CFR, Part 15
EN 300 330
EN 301 489
RSS 210

Safety
EN 60950-1

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.
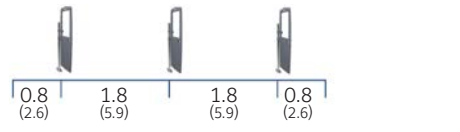
Configurations

Measurements - meters (feet)

Single

.9 (3.0)   .9 (3.0)   .9 (3.0)   .9 (3.0)

Dual

.9 (3.0)   1.8 (5.9)   .9 (3.0)

Split

.9 (3.0)   1.8 (5.9)   1.8 (5.9)   .9 (3.0)

Quad

.9 (3.0)   1.8 (5.9)   1.8 (5.9)   1.8 (5.9)   .9 (3.0)

Pedestal   Rangers   Satellite

Product Codes	Digital Antenna	Single Antenna(s)	Dual Antenna(s)	Split Antenna(s)	Quad Antenna(s)	AMB9060 Controller
ZSDM4A	●					
ZADM4A-1		●				●
ZADM4A-2			●			●
ZADM4A-3				●		●
ZADM4A-4					●	●

Ideal anti-theft protection for grocery store checkout aisles or narrow doorways.

The Ultra·Lane Pedestal – specifically developed for grocery store checkout aisles or narrow doorways – features Sensormatic AM EAS technology to provide up to 1.8m (5ft 10in) of protection between pedestals. Each pedestal is equipped with integrated visual and audible alarms to notify store associates if protected merchandise passes through the detection zone. Multiple install options include installation to either side of a checkout counter, a railing post, or directly on to the door frame. Utilizing a Sensormatic Ranger Receivers, this system can also be mounted to the side of an opposing counter.

An optional system-configured feature is Jammer Detection. This software triggers a pedestal alarm as soon as an electronic signal from a Jammer device is detected; helping eliminate the threat of would-be thieves using this method.

Retailer Values

· Slim antenna is ideal for checkout lanes and narrow doorways
· High-impact construction protects against damage in high-traffic zones
· Built-in visual and audible indicators immediately notify store associates of alarm events
· When connected to a compatible data management device, this system provides in-store EAS and Traffic Intelligence to better manage store operations
· Jammer Detection helps reduce shrink by notifying staff of attempts to disable the EAS system using a separate audible alarm

Product Compatibility

Sensormatic AM Sensors
Ranger Receivers
Stereo Overhead Traffic Sensor
Mono Overhead Traffic Sensor
Wireless Device Manager
Wireless Module
Shrink Management as a Service (SMaaS)
Digital Remote Alarm

Specifications

Height 121.3cm (47.8in)
Width 36.4cm (14.3in)
Thickness/Depth 3.6cm (1.4in)
Weight 5.2kg (11.5lbs)

Electrical

Transmitter
Operating Frequency ....58 kHz (±200Hz)
Transmit Burst Duration 1.6ms
Transmit Current Maximum............ 15A peak

Burst Repetition Rate
Based on 50Hz ac ....75Hz or 37.5Hz
Based on 60Hz ac ....90Hz or 45Hz

Receiver
Center Frequency................................. 8kHz

Alarm
Audio Level ....83dB(A) (maximum)

Environmental Constraints

Ambient Temperature
0°C to 50°C (32°F to 122°F)
Relative Humidity
0 to 90%, non-condensing

Declarations

EMC
47 CFR, Part 15
EN 300 330
EN 301 489
RSS-210

Safety
IEC 60950-1

Configurations
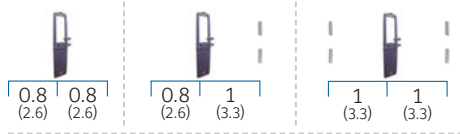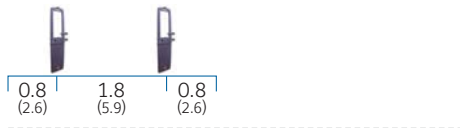
Measurements – meters (feet)

Single

0.8 (2.6) 0.8 (2.6)   0.8 (2.6) 1 (3.3)   1 (3.3) 1 (3.3)

Dual

0.8 (2.6) 1.8 (5.9) 0.8 (2.6)

Split

0.8 (2.6) 1.8 (5.9) 1.8 (5.9) 0.8 (2.6)
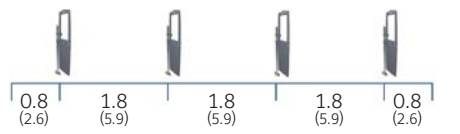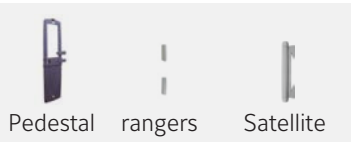
Quad

0.8 (2.6) 1.8 (5.9) 1.8 (5.9) 1.8 (5.9) 0.8 (2.6)

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.

Product Codes	Single Antenna(s)	Dual Antenna(s)	Split Antenna(s)	Quad Antenna(s)	AMS9060 Controller	Ranger Antenna(s)	Dark Gray Mullion Mounts	Checks and Mounts	Pole Mounts
ZASE-EAG1-R1C	●				●	●			
ZASE-EAG2-R2C		●			●	●			
ZASE-EAG1-R2P			●		●	●			
ZASE-EAG1-C	●				●			●	
ZASE-EAG2-C		●			●			●	
ZASE-EAG3-C			●		●			●	
ZASE-EAG4-C				●	●			●	
ZASE-EAG1-P	●				●				●
ZASE-EAG2-P		●			●				●
ZASE-EAG3-P			●		●				●
ZASE-EAG4-P				●	●				●
ZASE-EEG1-M	●				●		●		
ZASE-EEG1-R1M	●				●	●	●		
ZASE-EEG2-M		●			●	●	●		

Pedestal   rangers   Satellite

Helps ward off Organized Retail Crime activity.

Hyperguard is designed to detect booster bags when they enter or exit a store location. Booster bags are commonly used by Organized Retail Crime (ORC) offenders to steal merchandise and walk out of a store undetected. Hyperguard also features a metal door and metal shopping cart filter which helps eliminate false alarms caused by moving metal doors or metal shopping carts at the exit.

In addition, Hyperguard can be integrated with Sensormatic Shrink Management as a Service (SMaaS) which provides retailers with data insights to proactively manage shrink and combat ORC activity.

Retailer Values

- Protects merchandise from sophisticated shoplifters by identifying foil-lined bags or clothing as it enters or exits the store
- Modern, transparent design compliments any store setting
- Store associates can be notified of incoming booster bags via alarm, CCTV or optional pager device
- Reduce false alarms caused by metal shopping carts or moving metal doors

Product Codes
Antenna
AS-1503050126
AS-Hyperguard V4 - 12cm

AS-1503050186
AS-Hyperguard V4 - 18cm

AS-1503050196
AS-Hyperguard V4 - 24cm

Controller
AS-1003042183
AS-Hypr/Aprl V4 Controller - US

AS-1003042184
AS-Hypr/Aprl V4 Controller + Pager - US

AS-1003042180
AS-Hypr/Aprl V4 Controller - EU

AS-1003042181
AS-Hypr/Aprl V4 Controller + Pager - EU

Product Compatibility
AM Detection Systems
Shrink Management as a Service (SMaaS)

Antenna Specifications
Height 152cm (4.99ft)
Width 12cm (2.72in)

Depth 12cm (2.72in)
.... 18cm (7.08in)
....24cm(9.45in)

Weight
12cm antenna 6.4kg (19.84lbs)
18cm antenna 12kg (26.45lbs)
24cm antenna 14kg (30.86lbs)

Controller Specifications
Height 5cm (1.97in)
Width 11.5cm (4.53in)
Depth 19cm (7.48in)
Weight 0.3KG (0.66lbs)

Electrical
Power Supply
Primary Input ....100-240 V AC Adapter

Regulatory Compliance

EMC

47 CFR, Part 15

RSS-Gen Issue 4 (2014-11)

RSS-210 Issue 8 (2010-12)

EN 300 330-1 V1.7.1 (2010-02

EN 300 330-2 V1.5.1 (2010-02)

EN 301 489-01 V1.9.2

EN 301 489-03 V1.4.1

EN 55022:2010

EN 55024:2010

EN 50354:2010

Safety

UL60950-1,2nd ed., 2011-12-19,
2014-10-14

CSA C22.2 no. 60950-1-07 +
A1: 2011 + A2:2014

IEC60950-1:2005 + A1:2009 + A2:2013

EN 60950-1:2006 + A1:2010 + A11:2009 +
A12:2011 +A2:2013

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Directive 2011/65/EU, 2015/863/EU and REACH
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Metal-foil detection to help ward off Organized Retail Crime activity.

Metalguard is designed to detect booster bags when they enter or exit a store location. Booster bags are commonly used by Organized Retail Crime (ORC) offenders to steal merchandise and walk out of a store undetected. Metalguard also features a door filter which helps eliminate false alarms caused by moving metal doors located at the store entrance.

In addition, Metalguard can be integrated with Sensormatic Shrink Management as a Service (SMaaS) which provides retailers with data insights to proactively manage shrink and combat ORC activity.

Retailer Values
- Protects merchandise from sophisticated shoplifters by identifying foil-lined bags or clothing as it enters or exits the store
- Unique door filter technology helps reduce false alarms generated by moving metal doors
- Store associates can be notified of incoming booster bags via alarm, CCTV or optional pager device

Product Codes
Antenna
AS-1503043126
AS-Metalguard V4 - 12cm

AS-1503043186
AS-Metalguard V4 - 18cm

AS-1503043196
AS-Metalguard V4 - 24cm

Controller
AS-1003031183
AS-Metalguard V4 Controller - US

AS-1003031184
AS-Metalguard V4 Controller + Pager - US

AS-1003031180
AS-Metalguard V4 controller - EU

AS-1003031181
AS-Metalguard V4 Controller + Pager - EU

Product Compatibility
- AM Detection Systems
- Shrink Management as a Service (SMaaS)

Antenna Specifications
Height 152cm (4.99ft)
Width 12cm (2.72in)

Depth 12cm (2.72in)
   .... 18cm (7.08in)
   ....24cm (9.45in)

Weight 6.4KG (14.11lb)

Controller Specifications
Height 5cm (1.97in)
Width 11.5cm (4.53in)
Depth 19cm (7.48in)
Weight 0.3KG (0.66lbs)

Electrical
Power Supply
Primary Input ....100-240 V AC Adapter

Regulatory Compliance
EMC
47 CFR, Part 15
RSS-Gen Issue 4 (2014-11)
RSS-210 Issue 8 (2010-12)
EN 300 330-1 V1.7.1 (2010-02)
EN 300 330-2 V1.5.1 (2010-02)
EN 301 489-01 V1.9.2
EN 301 489-03 V1.4.1
EN 55022:2010
EN 55024:2010
EN 50354:2010

Safety
UL60950-1,2nd ed., 2011-12-19,
2014-10-14
CSA C22.2 no. 60950-1-07 +
A1: 2011 + A2:2014
IEC60950-1:2005 + A1:2009 + A2:2013
EN 60950-1:2006 + A1:2010 + A11:2009 +
A12:2011 +A2:2013

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alert Systems™

Metalguard
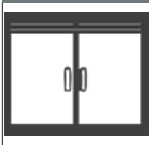
Secure fitting rooms from incoming magnets and magnetic detachers

Magnets and magnetic detachers can be easily obtained that allow shoplifters to remove security tags from protected merchandise. The shoplifter then leaves the store with the unpaid merchandise without being detected. Apparelguard detects magnets and magnetic detachers when brought into the fitting room area to help eliminate the threat from would-be thieves in this vulnerable area.

In addition, Apparelguard can be integrated with Sensormatic Shrink Management as a Service (SMaaS) which provides retailers with data insights to proactively manage shrink and combat ORC activity.

Retailer Values

· Ideal for protecting fitting room entrance up to 1.4m (4.6ft) from incoming detachers and magnets
· Helps safeguard merchandise in the fitting room which presents an opportunity for would-be thieves to conceal and steal items
· Store associates can be notified of incoming magnets or magnetic detachers via alarm, CCTV or optional pager device

Product Codes
Antenna
AS-1503060100
AS-Apparelguard V4 Antenna - Black
AS-1503060101
AS-Apparelguard V4 Antenna - White
Controller
AS-1003042183
AS-Hypr/Aprl V4 Controller - US
AS-1003042184
AS-Hypr/Aprl V4 Controller + Pager - US
AS-1003042180
AS-Hypr/Aprl V4 Controller - EU
AS-1003042181
AS-Hypr/Aprl V4 Controller+pgr - EU

Product Compatibility
Shrink Management as a Service (SMaaS)

Apparelguard Specifications
Height 24cm (9.45in)
Width 13cm (5.12in)
Depth 3cm (1.18in)
Weight 0.6KG (1.3lbs)

Controller Specifications
Height 5cm (1.97in)
Width 11.5cm (4.53in)
Depth 19cm (7.48in)
Weight 0.3KG (0.66lb)

Electrical
Power Supply
Primary Input 100-240 V AC Adapter

Regulatory Compliance
EMC
47 CFR, Part 15
RSS-Gen Issue 4 (2014-11)
RSS-210 Issue 8 (2010-12)
EN 300 330-1 V1.7.1 (2010-02)
EN 300 330-2 V1.5.1 (2010-02)
EN 301 489-01 V1.9.2
EN 301 489-03 V1.4.1
EN 55022:2010
EN 55024:2010
EN 50354:2010

Regulatory Compliance
Safety
UL60950-1,2nd ed., 2011-12-19, 2014-10-14
CSA C22.2 no. 60950-1-07 +
A1: 2011 + A2:2014
IEC60950-1:2005 + A1:2009 + A2:2013
EN 60950-1:2006 + A1:2010 + A11:2009 + A12:2011 +A2:2013

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.

Stylish anti-theft protection in an attractive acrylic design

The Sensormatic 2.0m Acrylic RF Pedestal delivers attractive EAS anti-shoplifting protection designed to complement a variety of store environments. Constructed from durable acrylic, this pedestal provides a transparent, elegant look to store entrances and supports pedestal spacing up to 2.0m (6.6ft) for wide exits. The integrated audio and visual alarms notify staff personnel if protected merchandise passes through the detection zone.

This pedestal can be integrated with Sensormatic Shrink Management as a Service (SMaaS) which provides retailers with data insights to proactively manage shrink and combat ORC activity.

The Essentials 2.0m Acrylic RF pedestal brings strong visible deterrence and detection performance to the store exit.

Retailer Values
- Ideal for protecting exits up to 2.0m (6.6ft).
- Transparent acrylic form factor maintains store aesthetics
- Built-in lighting provides visual notification of alarm events
- Each pedestal independently powered simplifying installation
- Integrated audible alarm notifies staff when protected merchandise passes through the detection zone

Product Compatibility
- Sensormatic RF Roll Labels
- Sensormatic RF Hard Tag Sensors
- Sensormatic RF Deactivator
- Shrink Management as a Service (SMaaS)

Specifications
Height 150cm (4.92ft)
Width 40cm (1.31ft)
Thickness ....2cm (.787in)
Base Thickness 12.5cm (4.92in)

Weight with base covers
w/o packaging.......................17.4kg (38.36lb)
w/ packaging.......................... 20kg (44.09lb)

Electrical
Power Supply
Primary Input
100-120Vac or220-240Vac @ 50-60Hz

Primary Power Fuse
Electronic overload protected

One pedestal
Current Draw......................(120V) <0.2Arms
Current Draw......................(240V) <0.1Arms
Input Power.............................(120V) <24W
Input Power.............................(240V) <24W

Transmitter
Operating
Frequency ....7.7MHz ~ 8.7MHz
Transmit Burst Duration 3us
Transmit Current Maz...............................1A

Receiver
Center Frequency...............7.7MHz ~ 8.7MHz

Environmental Constraints
Ambient Temperature
0°C to 50°C (32°F to 122°F)
Relative Humidity
5% (0°C) to 90% (40°C)
Enclosure Rating
IPX0

Configurations*

Measurements – meters (feet)

One 2.0m Acrylic RF Antenna

1.0 (3.2)   1.0 (3.2)

Two 2.0m Acrylic RF Antennas

1.0 (3.2)   2.0 (6.6)   1.0 (3.2)

Three 2.0m Acrylic RF Antennas

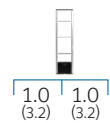1.0 (3.2)   2.0 (6.6)   2.0 (6.6)   1.0 (3.2)

*Not to exceed 20 pedestals at one exit
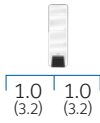
Product Codes	One 2.0m Acrylic RF Antenna	Two 2.0m Acrylic RF Antennas	Three 2.0m Acrylic RF Antennas
North America (NA) (includes: 25' cable kit, power kit and base mounting kit)			
RFA-1200-N1	●		
RFA-1200-N2		●	
RFA-1200-N3			●
European Union (EU) (includes: power kit)			
RFA-1200-E1	●		
RFA-1200-E2		●	
RFA-1200-E3			●

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.

2.0m Acrylic Pedestal
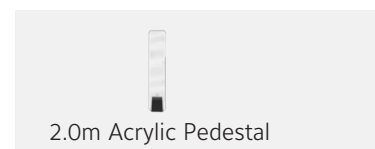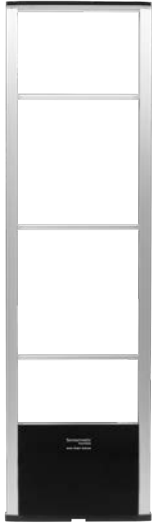
Reliable affordable anti-theft protection in an attractive open frame design.

The Sensormatic 2.0m Open Frame RF Pedestal delivers affordable, attractive EAS anti-shoplifting protection suitable for a variety of retail environments. This aluminum frame pedestal provides an open, clean look at store entrances and can be spaced up to 2.0m (6ft 6in) apart to accommodate different storefront entrance widths. The integrated audio and visual alarms notify staff personnel if protected merchandise passes through the detection zone.

The optional People Counting Sensors can be used to suppress incoming alarms, or to set different alarm features for incoming and outgoing alarms.

This pedestal can be integrated with Sensormatic Shrink Management as a Service (SMaaS) which provides retailers with data insights to proactively manage shrink and combat ORC activity.

The Essentials 2.0m Open Frame RF pedestal brings strong visible deterrence and detection performance to the store exit.

Retailer Values

· Can be spaced up to 2.0m (6.6ft) apart to accommodate different storefront entrance widths
· Modern, open-frame design compliments any store setting
· Each pedestal is independently powered and requires no connection between pedestals simplifying installation
· Built-in lighting provides visual notification of alarm events

Product Compatibility

· Sensormatic RF Roll Labels
· Sensormatic RF Hard Tag Sensors
· Sensormatic RF Deactivator
· Shrink Management as a Service (SMaaS)

Options
Key Lock
Advertising Panels:
(two panels required for one antenna)

Plexi Panels:
(two panels required for one antenna)
People Counting Sensors

Specifications
Height 167.64cm (5.5ft)
Width 41cm (1.34ft)
Base Thickness 4.5cm (1.77in)

Weight with base covers
w/o packaging.........................8kg (17.637lb)
with packaging................... 10.6kg (23.369lb)

Electrical
Power Supply
Primary Input
100-120Vac or 220-240Vac @ 50-60Hz

Primary Power Fuse
Electronic overload protected

One pedestal
Current Draw (120V) ....<0.2Arms
Current Draw (240V)......................<0.1Arms
Input Power (120V) .... <24W
Input Power (240V)............................ <24W

Transmitter
Operating Frequency..........7.7 MHz ~ 8.7MHz
Transmit Burst Duration 3us
Transmit Current Maz...............................1A

Receiver
Center Frequency...............7.7MHz ~ 8.7MHz

Environmental Constraints

Ambient Temperature
0°C to 50°C (32°F to 122°F)
Relative Humidity
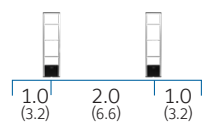5% (0°C) to 90% (40°C)
Enclosure Rating
IPX0

Configurations*
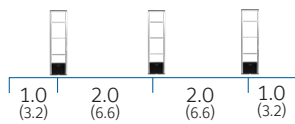
Measurements – meters (feet)

One 2.0m Open Frame RF Antenna

1.0 (3.2) 1.0 (3.2)

Two 2.0m Open Frame RF Antennas

1.0 (3.2) 2.0 (6.6) 1.0 (3.2)

Three 2.0m Open Frame RF Antennas

1.0 (3.2) 2.0 (6.6) 2.0 (6.6) 1.0 (3.2)

*Not to exceed 20 pedestals at one exit

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.

Product Codes	One 2.0m Open Frame RF Antenna	Two 2.0m Open Frame RF Antennas	Three 2.0m Open Frame RF Antennas
North America (NA) (includes: 25' cable kit, power kit and base mounting kit)			
RFA-1100-N1	●		
RFA-1100-N2		●	
RFA-1100-N3			●
European Union (EU) (includes: power kit)			
RFA-1100-E1	●		
RFA-1100-E2		●	
RFA-1100-E3			●

2.0m Open Frame Pedestal
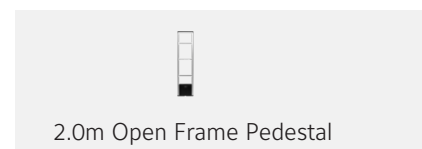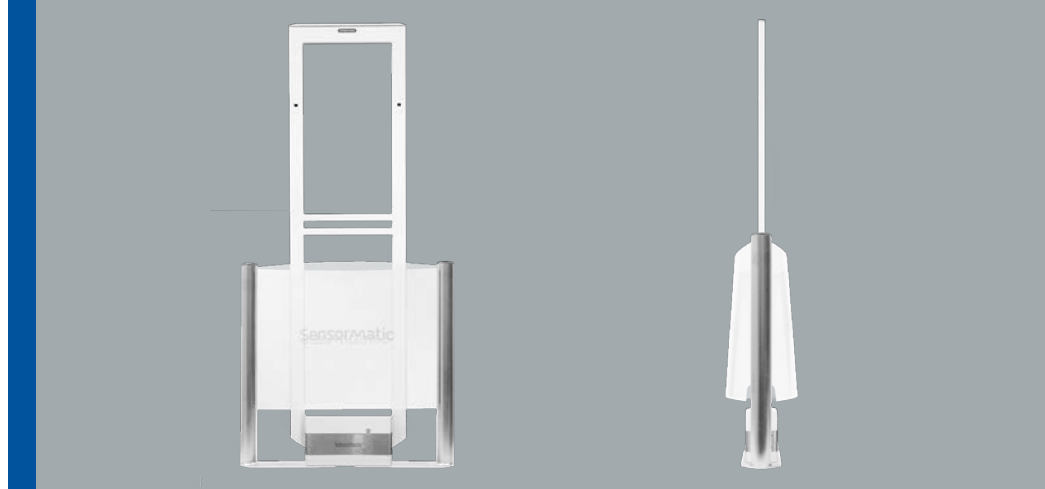
The Sensormatic Pedestal systems are designed to preserve store aesthetics and deliver the right look for virtually any retail setting. The Pedestal Guard is for environments where it is likely that the antenna will be impacted by shopping carts. The guards help prevent scratches, dings, and minor dents that shopping carts can cause.

Retailer Values
- Helps protect the EAS Pedestal from damage if impacted by shopping carts
- Designed to retain store aesthetics

Product Codes
Indoor Rated
Pedestal Guard
- 21 Inches Installation Kit: 0352-0851-01
- 10 Inches Installation Kit: 0352-0851-02

Indoor Rated
- RF System Pedestal Guard
- 10 Inches Installation Kit: 0352-0852-01

Product Compatibility
Pedestal Guard
Synergy 2.5m Acrylic Pedestal
Synergy 2.5m ABS Pedestal
Synergy 2.0m ABS Pedestal
UltraPost Self-Contained Pedestal
Ultra 1.8m Acrylic Pedestal
Ultra 1.8m ABS Pedestal
Ultra 1.5m ABS Pedestal
AlertSystems Hyperguard System
AlertSystems Metalguard System
Essentials RF Acrylic Pedestal

RF System Pedestal Guard
Essentials RF Open Frame Pedestal

Specifications
Pedestal Guard
21 Inch Installation Kit
Height 574.01mm (22.60in)
Width 609.60mm (24in)
Depth 202.59mm (7.98in)
Weight 6.32kg (13.93lb)

10 Inch Installation Kit
Height 262.86mm (10.35in)
Width 609.60mm (24in)
Depth 204.10mm (8.04in)
Weight 4.54kg (10.016lb)

RF System Pedestal Guard
10 Inch Installation Kit
Height 262.86mm (10.35in)
Width 609.60mm (24in)
Depth 204.10mm (8.04in)
Weight 4kg (8.83lb)

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Exceptional, invisible Sensormatic protection for wide store exits.

The Sensormatic Synergy 2.4m Concealed Detection System delivers exceptional, yet discrete, Acousto-Magnetic (AM) EAS protection for environments that require a high vertical detection zone. This system provides protection up to 1.8m (6ft) off the floor and exits up to 2.4m (7ft 10in) wide to maximize customer flow and optimize merchandising floor space.

This system requires limited floor cutting for efficient installation. Receiver antennas mount to the door in a self-adhesive cable channel or inside the wall of the doorway. For high-detection performance, the transmitter cable is installed under the floor. If protected merchandise passes through the detection zone, the system emits an audible alert to notify store associates.

The optional 3D Overhead Traffic Counting Sensor can also be integrated and configured to provide visibility into shopper visits to help drive incremental sales and improve conversion rates.

By integrating directional traffic information with EAS alarm events, the sensors can discern between inbound and outbound traffic. This helps reduce unintended alarms triggered by shoppers carrying protected merchandise near the exit. The system also includes a "power-on-demand" feature that puts it into low-power standby operation during user-defined periods, such as off store hours or periods of low customer activity passing through the system. Normal function returns once customer activity resumes. While in this mode, the system can save up to 78%* of power requirements.

This network-connected system delivers actionable data gathered from stores' EAS and traffic devices, as well as enables remote diagnostics and system power management.

Through system configuration, "Tags-too-Close" is an offered feature developed to help store associates better manage merchandising of tagged goods at the storefront. This feature helps decrease nuisance alarms to enhance the shopper experience and reduce unnecessary, costly service calls.

Another system-configured feature is Jammer Detection which triggers a system alarm as soon as an electronic signal from a Jammer device is detected. This helps eliminate the threat of would-be thieves using this method.

*Based on the 3D Overhead Traffic Counting System and 3004A dual configuration, power requirements savings for other configurations will vary. Actual power savings depend on how many hours/day the AMS9060 is in low-power standby operation.

Retailer Values

- Delivers exceptional protection for wider exits to help maximize flow and optimize floor space
- Enhances loss prevention efforts and increases shopper visibility through network connected store-front alarms and traffic intelligence
- Helps lower cost of ownership with limited floor cutting at install
- Maximizes storefront floor space with "tags-too-close" feature
- Helps reduce shrink by notifying staff of the presence of a Jammer device with a distinct audible alarm

Product Compatibility
Sensormatic AM Sensors

Synergy Pedestals

Pro-Max

Door-Max

Ranger Receivers

Satellite Receivers

Amorphous Core Receiver

3D Overhead Traffic Counting Sensor

Wireless Device Manager

Wireless Module

Shrink Management as a Service (SMaaS)

Specifications

AMS3004-A

Cap-board Enclosure

Length.................................. 210mm (8.25in)

Width 271mm (10.6in)

Depth 83.75mm (3.29in)

Weight 2.1kg (4.6lbs)

Power Supply............................ (AMS9060)

Electrical

Primary Input

100-120Vac or 220-240Vac

50–60Hz

Primary Power Fuse

3.15A, 250V, slo-blow, hi-breaking

Current Draw

(120V) <0.29 Arms

(240V) < 0.24Arms

Input Power

(120V) <19.7W

(240V) <21.6W

Transmitter

Transmission Burst Duration 1.6ms

Transmit Current 4.5-14Ao-p

(loop size related)

Burst Repetition Rate

90Hz with 1 loop

45Hz for each loop in 2 loop system

Receiver

Center Frequency.................... 58kHz±200Hz

Receiver Coil Resistance............. 13m (40ft), 4-conductor, shielded, direct-burial, plenum-rated

Loop Cable .... 18m (60ft), 2-conductor, shielded, direct-burial rated

Cap Box Power Cable.................. 13m (40ft), 2-conductor, shielded, plenum-rated

Configurations - Examples
(please see Install Guide for additional options)

Measurements - meters (feet)

Single

2.4
(7.10)

Dual

2.4   2.4
(7.10)   (7.10)

SYSTEM
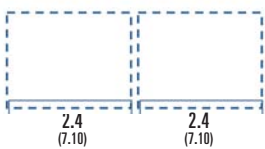
Product Codes	Single Loop Antenna	Dual Loop Antenna(s)	AMS9060 Controller and Digital Remote Alarm	Conduit Kit	Glass Mounting Kit
ZA3004-1A	●		●		
ZA3004-2A		●	●		
ZP3004-CONDUIT				●	
0352-0072-01					●

Exceptional, invisible Sensormatic anti-theft protection for wide store exits.

The Sensormatic Synergy 9.6m Concealed Floor System delivers exceptional, yet discrete, Acousto-Magnetic (AM) EAS protection for retail environments with wide exits or open architecture requirements. This system provides merchandise protection for up to 9.6m (31.5ft) of coverage with a detection height of up 1.2m (4ft), this system emits an audible alert to notify store associates if protected merchandise passes through the detection zone.

The installation of this concealed system minimally impacts store operations by eliminating the need for sub-floor excavation. Its thin, flat antenna simplifies the installation process even further by allowing the antenna to mount directly onto the concrete floor, then covering the antenna with flooring material. It is the ideal detection system for locations where pedestal systems or floor excavation is unwanted or prohibited.

The optional 3D Overhead Traffic Counting Sensor can be integrated and configured to provide visibility into shopper visits to help drive incremental sales and improve conversion rates.

By integrating directional traffic information with EAS alarm events, the sensors can discern between inbound and outbound traffic. This helps reduce unintended alarms triggered by shoppers carrying protected merchandise near the exit. The system also includes a "power-on-demand" feature that puts it into low-power standby operation during user-defined periods, such as off store hours or periods of low customer activity passing through the system. Normal function returns once customer activity resumes. While in this mode, the system can save up to 93%* of power requirements.

This network-connected system delivers actionable data gathered from stores' EAS and traffic devices, as well as enables remote diagnostics and system power management.

Through system configuration, "Tags-too-Close" is an offered feature developed to help store associates better manage merchandising of tagged goods at the storefront. This feature helps decrease nuisance alarms to enhance the shopper experience and reduce unnecessary and costly service calls.

Another system-configured feature is Jammer Detection which triggers a system alarm as soon as an electronic signal from a jammer device is detected. This helps eliminate the threat of would-be thieves using this method.

*Based on the 3D Overhead Traffic Counting Sensor and 2020A quad configuration, power requirements savings for other configurations will vary. Actual power savings depend on how many hours/day the AMS9060 is in low-power standby operation.

Retailer Values

- Delivers exceptional protection for wider exits to help maximize flow and optimize floor space
- Enhances loss prevention efforts and increases shopper visibility through network connected store-front alarms and traffic intelligence
- Eliminates costly excavations by installing flooring material directly over thin antenna
- Provides an invisible, yet effective, AM EAS solution where pedestal systems are unwanted or prohibited
- Enhances the shopper experience and maximizes storefront floor space with "tags-too-close" feature
- Helps reduce shrink by notifying staff of the presence of a jammer device with a distinct audible alarm

Product Compatibility
Sensormatic AM Sensors

Synergy Pedestals

Pro-Max

Door-Max

Ranger Receivers

Satellite Receivers

Amorphous Core Receiver

3D Overhead Traffic Counting Sensor

Wireless Device Manager

Wireless Module

Shrink Management as a Service (SMaaS)

Specifications

AMS3030-A/AL & AMS3031-A/AL

Capacitor Board Enclosure

Length................................47.5cm (1.55ft)

Width..................................37.8cm (1.24ft)

Depth....................................8.5cm (3.3in)

Weight............................... 2.4kg (5.25lbs)

AMS2020-A Antenna

Length of two coils..............1.98m (6ft 5in)

Width of two coils.......... 0.925m (3ft 03in)

Height of brackets..........4.25mm (0.167in)

Weight............................... 7.3kg (16.1lbs)

Power Supply (AMS9060)
Electrical

Primary Input

100-120VAC or 220-240VAC @ 50-60Hz

Primary Power Fuse

3.15A, 250V, slo-blow, hi-breaking

Current Draw

(120V) <1.13Arms

(240V) < 0.72Arms

Input Power

(120V) <82.1W

(240V) <90.0W

Transmitter

Operating Frequency ....58kHz (±200Hz)
(sync pulse 56kHz)

Transmit Burst Duration 1.6ms

Max. Transmit Current....................20A peak

Burst Repetition Rate

.... 90Hz (1 or 2 ants.)

.... 45Hz (3 or 4 ants.)

.... 45Hz (1 floor ant. and 2 pedestals)

.... 45Hz (2 floor ants. and 2 pedestals)

Receiver

Center Frequency.....................58Hz±200Hz

Floor Antenna (Tx/Rx)

Cable......................... 4-conductor, shielded, burial-rated

Cap Box Tx/Rx Cable ....13m (40ft), 4-conductor, shielded, direct-burial, plenum-rated

Cap Box Comm Cable ....13m (40ft), 4-conductor, shielded, plenum-rated

Environmental Constraints

Operating Temperature

0°C to 50°C (32°F to 122°F)

Relative Humidity

0 to 90% non-condensing

Enclosure

IPX0

Evaluated for altitudes up to 3200m (10,500ft)

Declarations

EMC

47 CFR Part 15

RSS 210

Safety (second edition)

UL/EN 60950-1

CSA C22.2.60950-1

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.
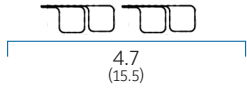
Configurations - Examples

(please see Install Guide for additional options)
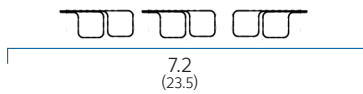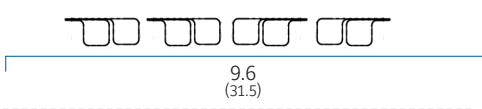**Measurements - meters (feet)**

Single

2.3
(7.5)

Dual

4.7
(15.5)

Split

7.2
(23.5)

Quad

9.6
(31.5)

Product Codes	Single Floor Antenna(s)	Dual Floor Antenna(s)	Split Floor Antenna(s)	Quad Floor Antenna(s)	AMS9060 Controller and Digital Remote Alarm	Floor Stencil	Single Cap Board Enclosure
ZA2020-1A	●				●		
ZA2020-2A		●			●		
ZA2020-3A			●		●		
ZA2020-4A				●	●		
ZP2020-STENCIL						●	
ZPENCL-CAP-S							●

Loop

Exceptional, invisible Sensormatic anti-theft protection for virtually any retail environment.

The Sensormatic Synergy 8.6m Concealed Floor System delivers exceptional, yet discrete, Acousto-Magnetic (AM) EAS protection for wide retail environments. This system provides protection for exits up to 8.6m (28.5ft) and a vertical detection zone of up to 1.2m (4ft), emitting an audible alert to notify store associates if protected merchandise passes through the detection zone.

For existing retail environments, the AMS3030-A/AL is an ideal solution. Installation simply requires floor cuts in concrete where the antenna cabling is placed. Once secured, flooring material is then applied over the antenna. The AMS3031-A/AL version is intended for pre-construction installation. Its setup protects detection antennas against possible interference if metal or rebar is discovered below the subfloor. Both install options deliver AM EAS detection for wide exits or open architecture requirements.

The optional 3D Overhead Traffic Counting Sensor can also be integrated and configured to provide visibility into shopper visits to help drive drive incremental sales and improve conversion rates.

By integrating directional traffic information with EAS alarm events, the sensors can discern between inbound and outbound traffic. This helps reduce unintended alarms triggered by shoppers carrying protected merchandise near the exit. The system also includes a "power-on-demand" feature that puts it into low-power standby operation during user-defined periods, such as off store hours or periods of low customer activity passing through the system. Normal function returns once customer activity resumes. While in this mode, the system can save up to 93%* of power requirements.

This network-connected system delivers actionable data gathered from stores' EAS and traffic devices, as well as enables remote diagnostics and system power management.

Through system configuration, "Tags-too-Close" is an offered feature developed to help store associates better manage merchandising of tagged goods at the storefront. This feature helps decrease nuisance alarms to enhance the shopper experience and reduce unnecessary and costly service calls.

Another system-configured feature is Jammer Detection which triggers a system alarm as soon as an electronic signal from a Jammer device is detected. This helps eliminate the threat of would-be thieves using this method.

*Based on the 3D Overhead Traffic Counting Sensor and 3030A quad configuration, power requirements savings for other configurations will vary. Actual power savings depend on how many hours/day the AMS9060 is in low-power standby operation.

Retailer Values

- Delivers exceptional protection for wider exits to help maximize flow and optimize floor space
- Enhances loss prevention efforts and increases shopper visibility through network connected store-front alarms and Traffic Intelligence
- For minimal impact on store operations, the AMS3030-A/AL antenna install eliminates costly, large scale excavations
- Helps protect detection antennas against possible interference if metal or rebar are discovered during construction installation for optimal system performance (AMS3031-A/AL only)
- Enhances the shopper experience and maximizes storefront floor space with "tags-too-close" feature
- Helps reduce shrink by notifying staff of the presence of a Jammer device with a distinct audible alarm

Product Compatibility

- Sensormatic AM Sensors
- Synergy Pedestals
- Pro-Max
- Door-Max
- Ranger Receivers
- Satellite Receivers
- Amorphous Core Receiver
- 3D Overhead Traffic Counting Sensor
- Wireless Device Manager
- Wireless Module
- Shrink Management as a Service (SMaaS)

Specifications

AMS3030-A/AL & AMS3031-A/AL

Capacitor Board Enclosure
Length 47.5cm (1.55ft)
Width 37.8cm (1.24ft)
Depth 8.5cm (3.3in)
Weight 2.4kg (5.25lbs)

AMS3031-A/AL

AMS3031-A Floor Loop Antenna
Length (w/o coupling) 172cm (5ft 7in)
Length (w/coupling) 176.9cm (5ft 9in)
Width 93.6cm (3ft 1in)
Height (at coupling).................4.3cm (1.7in)
Weight (conduit & wires) 8.6kg (19lbs)

Power Supply (AMS9060)
Electrical

Primary Input
100-120VAC or 220-240VAC @ 50-60Hz

Primary Power Fuse
3.15A, 250V, slo-blow, hi-breaking

Current Draw
(120V) <1.13Arms
(240V) < 0.72Arms

Input Power
(120V) <82.1W
(240V) <90.0W

Transmitter
Operating Frequency ....58kHz (±200Hz) (sync pulse 56kHz
Transmit Burst Duration 1.6ms
Max. Transmit Current....................20A peak

Burst Repetition Rate
Based on 50Hz ac ....75Hz or 37.5Hz
Based on 60Hz ac ....90Hz or 45Hz

Receiver
Center Frequency................................ 58kHz
Floor Antenna (Tx/Rx)
Cable........................ 4-conductor, shielded, burial-rated
Cap Box Tx/Rx Cable ....13m (40ft), 4-conductor, shielded, direct-burial, plenum-rated
Cap Box Comm Cable ....13m (40ft), 4-conductor, shielded, plenum-rated

Environmental Constraints

Operating Temperature
0°C to 50°C (32° to 122°F)

Relative Humidity
0 to 90%, non-condensing

Enclosure
IPX0
Evaluated for altitudes up to 3200m (10,500ft)

Declarations

EMC
47 CFR, Part 15
RSS 210

Safety (second edition)
UL/EN 60950-1
CSA C22.2.60950-1

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.
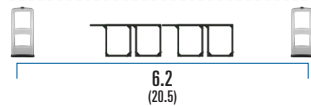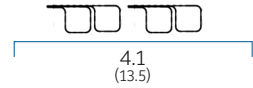
Configurations - Examples
(please see Install Guide for additional options)
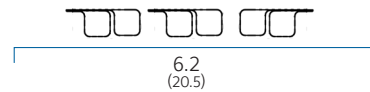
Measurements - meters (feet)

Single

2.0
(6.5)

Dual

4.1
(13.5)

6.2
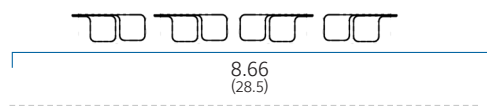(20.5)

Split

6.2
(20.5)

Quad

8.66
(28.5)

System   Pro-Max
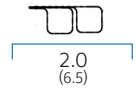
Product Codes	Single Antenna 2.0m (6.5ft)	Dual Antennas 4.1m (13.5ft)	Split Antennas 6.2m (20.5ft)	Quad Antennas 8.66m (28.5ft)	AMS9060 Controller and Digital Remote Alarm	Stencil	Level	Shielding Tray and Tiles
ZA3030-1A (40ft. cable run)	●				●			
ZA3030-2A (40ft. cable run)		●			●			
ZA3030-3A (40ft. cable run)			●		●			
ZA3030-4A (40ft. cable run)				●	●			
ZA3030-1AL (60ft. cable run)	●				●			
ZA3030-2AL (60ft. cable run)		●			●			
ZA3030-3AL (60ft. cable run)			●		●			
ZA3030-4AL (60ft. cable run)				●	●			
ZP3030-a-STENCIL						●		
ZA3031-1A (40ft. cable run)	●				●			
ZA3031-2A (40ft. cable run)		●			●			
ZA3031-3A (40ft. cable run)			●		●			
ZA3031-4A (40ft. cable run)				●	●			
ZA3031-1AL (60ft. cable run)	●				●			
ZA3031-2AL (60ft. cable run)		●			●			
ZA3031-3AL (60ft. cable run)			●		●			
ZA3031-4AL (60ft. cable run)				●	●			
ZP3031-LEVEL							●	
ZP3031-SHIELD								●

Identify foil-lined "booster" objects as they enter the store.

Metal-Foil Detection identifies "boosters," foil-lined bags or clothing commonly used in Organized Retail Crime, when entering/ exiting the store. When a "booster" is detected, an audible or visual alarm alerts store personnel. The optional Metal-Foil Detection card simply plugs into the compatible AMS9060 Controller, no external enclosure or wiring required. It features multiple custom alerts such as visual and audible alarms at the pedestal and a digital remote alarm, or triggering a relay that connects to another device such as a paging system. Unlike competitive offer- ings, Metal-Foil Detection does not require additional antennas to operate – optimizing retail floor space and preserving store aesthetics.

Retailer Values

- Protects merchandise from sophisti- cated shoplifters by identifying foil-lined bags or clothing as it enters or exits the store
- Easily plugs into compatible AMS9060 Controller for a system upgrade
- Requires no additional antennas to help provide optimal retail floor space for shopper traffic and merchandise displays
- Provides full directional alarm flexibility when used with traffic counting

Product Codes

ZPSP-7020-MFD
Metal-Foil Detection Kit

Product Compatibility

AMS9060 Controller

Declarations

EMC
47 CFR, Part 15
EN 300 330
EN 301 489
RSS-210

Safety
IEC 60950-1

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.

A cost-effective, discrete way to extend Sensormatic EAS detection performance.

The Ranger Antenna is a small AM receiver installed on walls, doorframes, glass or metal surfaces. Compatible with all Sensormatic AM EAS detection systems, this antenna can be installed in place of an additional detection antenna, or used to extend the EAS detection performance of a compatible system. Its small size has minimal impact at the store entrance, is easy to conceal and can be a cost-effective alternative compared to the addition of another pedestal.

Retailer Values
- Extends the detection field which may eliminate the need for a secondary pedestal
- Lower cost of ownership and simple installation
- Small size has minimal impact on store aesthetics

Product Codes
- ZKRANGER-1: Single Configuration
- ZKRANGER-2: Dual Configuration
- ZKRANGER-3: Split Configuration
- ZKRANGER-DG: Install Kit

Product Compatibility
- Sensormatic AM Sensors
- Sensormatic Synergy Pedestals
- Ultra·Post Self-Contained Pedestals
- Pro-Max
- Sensormatic Synergy Concealed Systems

Specifications
Height 24cm (9.5in)
Width 3.8cm (1.5in)
Thickness/Depth 8cm (3in)
Weight 0.5kg (1lb)

Environmental Constraints
Operating Temperature
0°C to 50°C (32°F to 122°F)

Relative Humidity
0 to 90%, non-condensing
Evaluated for altitudes less than 3200m (10500ft)
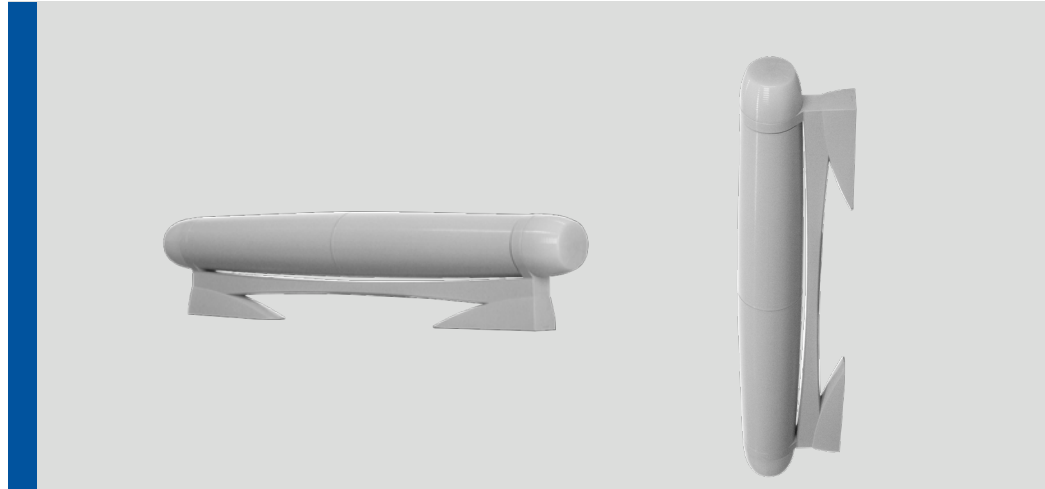
Declarations
EMC
47 CFR, Part 15
EN 300 330
EN 301 489
RSS-210

Safety (second edition)
IEC 60950-1

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.

Sensormatic
by Johnson Controls

An unobtrusive, highly-aesthetic solution for indoor retail environments.

Designed for indoor use only, the Satellite Receiver is an AM receiver that delivers maximum EAS protection with minimal visual impact on store entrances. This unobtrusive receiver can eliminate the need for one or more pedestals, making it a highly aesthetic solution for wide exits. With minimal backfield of approximately 0.5m (1.5ft), this device allows tagged merchandise close to the exit. The antenna mounts to walls or door frames and is compatible with all AM EAS detection systems.

Retailer Values
- Open architecture solution provides wide exit coverage with minimal visual impact on store aesthetics
- Minimal backfield allows tagged merchandise close to the exit
- Mounts easily to walls or doorframes, to help maximize customer flow

Product Code
ZKRXMULLMT
Mullion Mount Satellite Receiver

Product Compatibility
- Sensormatic AM Sensors
- Sensormatic Synergy Pedestals
- Ultra·Post Self-Contained Pedestals
- Sensormatic Synergy Concealed Systems
- Pro-Max

Specifications
Length 72.5cm (28.5in)
Diameter 8.7cm (3.4in)
Thickness/Depth 14.3cm (5.6in)
(w/bracket)
Weight 4.5kg (10lbs)
Receiver
Operating Frequency 58-68kHz
Receiver Coil Resistance .... 14 ohms (±5%)
Alarm
Audio Level .... Less than 70dB(A)
Evaluated for altitudes less than 3200m (10500ft)

Environmental Constraints
Operating Temperature
0°C to 50°C (32°F to 122°F)

Relative Humidity
0 to 90%, non-condensing

Declarations
Regulatory
(M4000 CE/Ultra·Post – non-European)

EMC
47 CFR Part 15

Regulatory
(M2000/Ultra·Post – European)

EMC
47 CFR, Part 15
EN 300 330
EN 301 489
RSS-210

Safety
Regulatory
(M4000 CE/Ultra·Post–non-European)
IEC 60950-1

Regulatory
(M2000/Ultra·Post–European)
IEC 60950-1

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.

www.sensormatic.com | **177**

Hidden antenna provides an open-architecture solution for wide store exits.

The Amorphous Core Antenna delivers maximum EAS protection with minimal visual impact on store entrances, giving retailers with wide exits an open architecture solution. The unobtrusive antenna is hidden in a raceway installed on or inside the walls on one side of a pedestal, eliminates the need for one or more pedestals in a traditional EAS system. This antenna is compatible with all AM EAS detection systems.

Retailer Values
- Open architecture solution provides wide exit coverage with minimal visual impact on store aesthetics
- Mounts easily to walls for simple installation and lower cost of ownership
- Small size has minimal impact on store aesthetics

Product Codes
ZPAMRX-S
Single Amorphous Core Receiver with Raceway
ZPAMRX-D
Dual Amorphous Core Receiver with Raceway

Product Compatibility
- Sensormatic AM Sensors
- Sensormatic Synergy Pedestals
- Ultra·Post Self-Contained Pedestals
- Pro-Max
- Sensormatic Synergy Concealed Systems

Specifications
Height 6.75mm (0.266in)
Width 25.5mm (1.0in)
Length.................................1.74m (5ft 8.5in)
Weight ....0.88kg (1.95lbs) (antenna only)

Receiver
Operating Frequency 55-70kHz
Rx Antenna Resistance @DC......... 1.8 ohms (+20%)
Rx Antenna Resistance @58kHz......75 ohms (+20%)
Receiver Cable ....12m (40ft), 2-conductor, shielded, burial-rated, plenum-rated

Environmental Constraints
Operating Temperature
0°C to 50°C (32°F to 122°F)

**Relative Humidity**
0 to 90%, non-condensing

Declarations
EMC
47 CFR, Part 15
EN 300 330
EN 301 489
RSS-210

Safety
IEC 60950-1

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.

Compact, energy efficient controller maximizes performance for compatible detection systems.

The AMS9060 Controller provides considerable cost savings, while significantly improving the performance of compatible detection systems. This controller processes signal inputs received from connected detection systems to determine if an active AM EAS tag or label has been detected. If protected merchandise passes through the detection zone, the controller activates an integrated alarm within the detection system to notify store personnel of the theft attempt. Its Digital Signal Processing (DSP) algorithms and filter technologies ensure superior performance in high-noise environments, automatically adjusting to account for changing surroundings. Focusing on the enhancement of EAS systems and the fulfillment of evolving retailers' needs, Sensormatic Solutions engineered this advanced, lightweight controller to minimize total cost of ownership and enhance overall detection system's performance.

Retailer Values

- 10% smaller and over 50% lighter than prior Sensormatic controllers
- Uses 25% less power than prior Sensormatic controllers without sacrificing performance
- Built-in 4kV surge protection minimizes service and maintenance costs
- Improved synchronization reduces install time and false alarms caused by interferences
- Output supports intelligent Sensormatic antennas for faster, more reliable install and service
- Eliminates noise and minimizes power waste
- Innovative DSP and filter technologies help ensure performance under harsh electronic noise conditions
- Controls up to four pedestals to protect wide or multiple exits
- Improved backfield reduction and "tags-too-close" feature maximizes space and reduce nuisance alarms
- Jammer and Metal-Foil Detection notifies staff of potential organized retail crime activity
- Network plug-in card provides remote management of EAS hardware and access reporting via web

- Automatically adjusts to avoid interference from nearby EAS detectors upon power up or system reset
- Auto-save function prevents count data loss in case of power interruption
- Compatible with AM EAS pedestal RFID upgrades

Product Codes

ZE9060
AMS9060 Controller

Product Compatibility

- Sensormatic Synergy Pedestals
- Sensormatic Synergy Concealed Systems
- Door-Max
- Sensormatic Synergy Network Card
- Sensormatic AM Sensors
- Pro-Max
- Ranger Antennas
- Satellite Antennas
- Wireless Device Manager
- Wireless Module
- Shrink Management as a Service (SMaaS)
- Metal-Foil Detection Plug-In Card
- Digital Remote Alarm

This controller improves the performance of compatible detection systems at considerable cost savings.

Specifications

Length 46.1cm (18.15in)
Width 29.82cm (11.74in)
Height 8.87cm (3.5in)
Weight 2.95kg (6.5lbs)

Electrical

Transmitter

Operating Frequency .... 58kHz (±200Hz)
Transmit Burst Duration 1.6ms
Max. Transmit Current.................... 20A peak
(2.4m pedestals)
Max. Transmit Current.................... 16A peak
(2m pedestals)

Burst Repetition Rate

Based on 50Hz ac .... 75Hz or 37.5Hz
Based on 60Hz ac .... 90Hz or 45Hz

Receiver

Center Frequency 58kHz

Environmental Constraints

Ambient Temperature

0°C to 50°C (32°F to 122°F)

Relative Humidity

0 to 90%, non-condensing

Enclosure

IPXO
Evaluated for altitudes
<2000m (6500ft)

Power Supply

Primary Input

100-120VAC
200-240VAC @ 50/60 Hz

Primary Power Fuse

3.15A, 250V, slo-blow, hi-breaking
Current Draw
(120V): <2.1Arms

Current Draw

(240V): < 0.9Arms

Input Power

(120V) <165W

Input Power

(240V): <165W

Declarations

EMC

47 CFR, Part 15
EN 300 330
EN 301 489
RSS-210

Safety

IEC 60950-1

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.
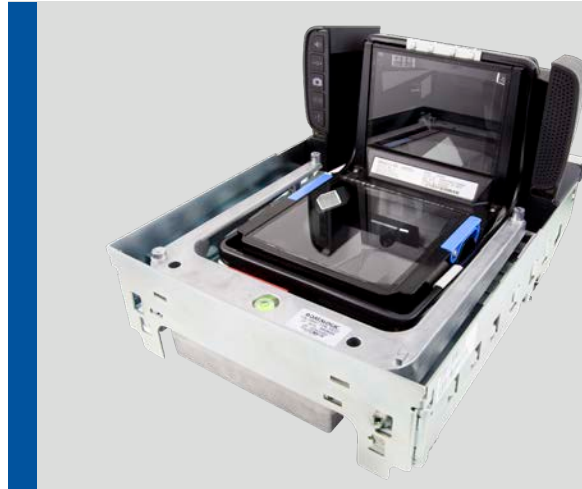
ZBAMB5194
Antenna for Magellan
93/9400i Scanner/Scale

These high-performance Sensormatic deactivators are comprised of antennas designed specifically to integrate with compatible Datalogic scanners. After products are scanned and information verified at the point-of-sale, the antennas automatically deactivate attached AM EAS labels for a fast and accurate checkout – even in high-traffic, high-volume locations.

The antenna delivers high throughput deactivation regardless of label orientation, improving front-end checkout efficiencies. These true integrated deactivation solutions help prevent sweethearting, scan avoidance and merchandise switching. When connected to a compatible EAS data management device, real-time deactivation counts can be generated into user-friendly customizable reports to provide business-critical data.

Retailer Values
· Accelerates checkout by simultaneously scanning and deactivating protected merchandise when connected to compatible scanners
· Delivers high throughput deactivation regardless of label orientation, improving front-end checkout efficiencies
· Only deactivates merchandise that has been scanned and purchased to help prevent sweethearting, scan avoidance and merchandise switching
· Built-in audible and visual indicators provide immediate feedback when active labels are detected and deactivated, enhancing front-end productivity
· EAS connectivity option allows generation of operational information to help quickly identify and correct performance issues

Product Compatibility
· All Sensormatic AM EAS Labels
· Wireless Device Manager
· Wireless Module
· Shrink Management as a Service (SMaaS)
· Deactivation Remote Alarm Module

Product Codes
Approved Globally
Antenna for Magellan 9300i/9400i*
· ZBAMB5194: ZBAMB5194L deactivator coil antenna, AMB9010-IPS Universal Controller, install kit and power cord
· ZBAMB5194L: Deactivator coil antenna and install kit
*Note: Must be retrofitted in the field.

Approved Globally
Antenna for Magellan 9800i*
· ZBAMB5120: ZBAMB5120A deactivator coil antenna, AMB9010-IPS Universal Controller, install kit, power cord
· ZBAMB5120A: Deactivator coil antenna and install kit
*Note: Must be retrofitted in the field.

Product Codes (con't)

Approved for NA, APAC and LATAM

Antenna for Magellan 8500Xt*

- ZBAMB5190: ZBAMB5190A deactivator coil antenna, AMB9010-IPS Universal Controller, install kit, power cord
- ZBAMB5190A: Deactivator coil antenna

*Note: Cannot be retrofitted in the field or into non-EAS ready scanners.

Retailer: When placing scanner order, Datalogic must be informed that the purchase will include a Sensormatic EAS deactivation antenna.

Approved Only for EMEA

Antenna for Magellan 8500*

- ZBAMB5185R: ZBAMB5185R deactivator coil antenna, AMB9010-IPS Universal Controller, remote alarm, install kit and power cord
- ZBAMB5185R: Deactivator coil antenna and install kit

*Note: Must be retrofitted in the field. An industrial cover is required, minor check-stand modifications are necessary.

Approved Globally

Antenna for Magellan 8300/8400 (platter required)*

- ZBAMB5184 (non-scale): ZBAMB5184A deactivator coil antenna, AMB9010-IPS Universal Controller, remote alarm, install kit and power cord
- ZBAMB5184A: Deactivator coil antenna and install kit

*Note: Must be retrofitted in the field.

Antenna for Magellan 8300/8400 (medium length scanner platter)*
ZBAMB5184M: ZBAMB5184A deactivator coil antenna,

- ZBAMB5184VB Vertical Bezel, AMB9010-IPS Universal Controller, medium platter, remote alarm, install kit and power cord
- ZBAMB5184A: Deactivator coil antenna and install kit

*Note: Must be retrofitted in the field.

Antenna for Magellan 8300/8400 (medium length scanner platter with Sapphire glass)*

- ZBAMB5184MS: ZBAMB5184A deactivator coil antenna, ZBAMB5184VB Vertical Bezel, AMB9010-IPS Universal Controller, medium platter with Sapphire glass, remote alarm, install kit and power cord
- ZBAMB5184MA: Deactivator coil antenna and install kit

*Note: Must be retrofitted in the field.

Antenna for Magellan 8300/8400 (long length scanner platter)*

- ZBAMB5184L: ZBAMB5184A deactivator coil antenna, ZBAMB5184VB Vertical Bezel, AMB9010-IPS Universal Controller, long platter, remote alarm, install kit and power cord
- ZBAMB5184A: Deactivator coil antenna and install kit

*Note: Must be retrofitted in the field.

Antenna for Magellan 8300/8400 (long length scanner platter with Sapphire glass)*

- ZBAMB5184LS: ZBAMB5184A deactivator coil antenna, ZBAMB5184VB Vertical Bezel, AMB9010-IPS Universal Controller, long platter with Sapphire glass, remote alarm, install kit and power cord
- ZBAMB5184LA: Deactivator coil antenna and install kit

*Note: Must be retrofitted in the field.

Approved Globally

Antenna for Magellan 2200VS and 3200VS

- ZBAMB5010:AMB5010A2 Vertical Antenna, AMB9010-IPS Controller, Install Kit, Power Cord
- ZBAMB5010A2: Vertical Antenna, Install Kit
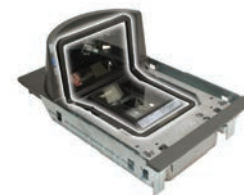- ZPSTP-RA: Remote Alarm Module (required)

Electrical

Requires Universal Controller (ZBAMB9010-IPS)

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.

ZBAMB5120
Antenna for Magellan 9800i Model

ZBAMB5184
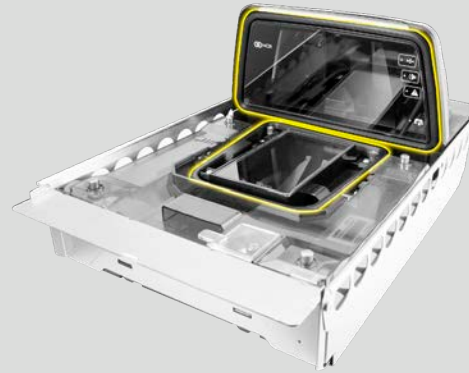Antenna for Magellan 8300/8400 Model

ZBAMB5185R
Antenna for Magellan 8500 Model

ZBAMB5190
Antenna for Magellan 8500Xt Model

ZBAMB5010
Antenna for Magellan 2200VS and 3200VSi

ZBAMB5277
AMB5277 Bi-Planar Antennas for NCR RealScan™ 77

High-performance Sensormatic deactivators are comprised of antennas designed to integrate with compatible NCR RealScan™ Bi-Optic Scanner/Scales. After products are scanned and information verified at the point-of-sale, attached AM EAS labels are automatically deactivated for fast and accurate checkout — even in high-traffic, high-volume locations. The integrated antenna delivers high throughput deactivation regardless of label orientation to help improve front-end checkout efficiencies. These true integrated deactivation solutions also help prevent sweethearting, scan avoidance and merchandise switching.

The design and geometry of the antennas are unique to compatible NCR RealScan™ Bi-Optic Scanner/Scales and must be retrofitted in the field. The antenna is located inside the scanner housing to eliminate the need for checkstand modifications and reduce overall installation costs. When connected to a compatible EAS data management device, real-time deactivation counts can be generated into user-friendly, customizable reports with actionable business critical data.

Retailer Values

- Accelerates checkout by simultaneously scanning and deactivating protected merchandise
- Improves front-end efficiencies with high throughput deactivation regardless of label orientation
- Helps prevent sweethearting, scan avoidance and merchandise switching by only deactivating merchandise that has been scanned and purchased
- Reduces overall installation costs by eliminating the need for checkstand modification
- Enhances front-end productivity with built-in audible and visual indicators that provide immediate feedback when active labels are detected and deactivated
- Generates operational information to help quickly identify and correct performance issues associated with EAS connectivity

Product Codes

Bi-Planar Antennas for NCR RealScan™ 77 Bi-Optic Scanner

- ZBAMB5277: AMB5277 Horizontal and Vertical Antennas, AMB9010-IPS Controller, Install Kit, Power Cord

Bi-Planar Antennas for NCR RealScan™ 74 Bi-Optic Scanner/Scale

- ZBAMB5274: AMB5274 Horizontal and Vertical Antennas, AMB9010-IPS Controller, Install Kit, Power Cord

Bi-Planar Antennas for NCR RealScan™ 78 Bi-Optic Scanner/Scale

- ZBAMB5278: AMB5278 Horizontal and Vertical Antennas, AMB9010-IPS Controller, Install Kit, Power Cord

Antenna for NCR RealScan™ 84 Single Window Scanner/Scale

- ZBAMB5212: AMB5212 Horizontal Antenna, AMB9010-IPS Controller, Install Kit, Power Cord

Product Codes (con't)

Antenna for NCR RealScan™ 79 Bi-Optic Imager/Scale

- ZBAMB5279: AMB5279 Horizontal Antenna, AMB9010-IPS Controller, Install Kit, Power Cord
- Additonal Antenna Option: Sensormatic deactivation antenna integrates around the NCR vertical scanner housing
- ZBAMB5010: AMB5010 Vertical Antenna, AMB9010-IPS Controller, Install Kit, Power Cord

Product Compatibility

- All Sensormatic AM EAS Labels
- Wireless Device Manager
- Wireless Module
- Shrink Management as a Service (SMaaS)
- Deactivation Remote Alarm Module

Electrical

Requires Universal Controller (ZBAMB9010-IPS)

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.

ZBAMB5274
AMB5274 Bi-Planer Antennas
for NCR RealScan™ 74

ZBAMB5212
AMB5212 Horizontal Antenna
for NCR RealScan™ 84
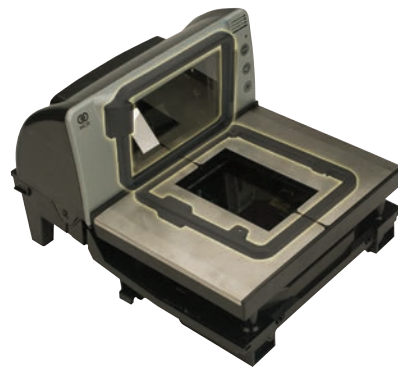
ZBAMB5278
AMB5278 Bi-Planer Antennas
for NCR RealScan™ 78

ZBAMB5010
AMB5010 Vertical Antenna integrates
around the NCR vertical scanner housing
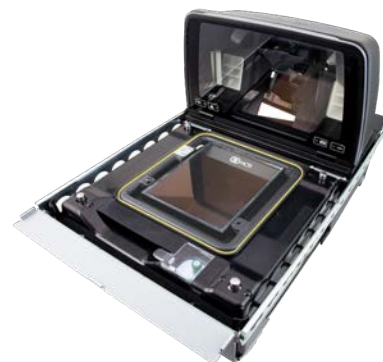
ZBAMB5279
AMB5279 Horizontal Antenna
for NCR RealScan™ 79

The high-performance Sensormatic deactivator is an antenna designed specifically to integrate with compatible Grab & Go NCR SelfServ 90 kiosks. After transaction is initiated, products are scanned and the antenna deactivates AM EAS labels for a convenient and accurate checkout. Regardless of label orientation, an active label can be deactivated up to 4.5 inches away from the scanning window.

The deactivation antenna design and geometry is unique to the NCR SelfServ 90 kiosk and must be retrofitted in the field. The antenna is embedded directly behind the imaging scanner window housing allowing accurate deactivation once merchandise is scanned.

The Universal Deactivation Controller (AMB9010-IPS) provides the power to efficiently operate the deactivation antenna. When connected to a compatible EAS data management device, real-time deactivation counts can be generated into user-friendly customizable reports to provide business critical data.

Retailer Values
- Streamlines the checkout process by simultaneously scanning and deactivating protected merchandise to help alleviate unnecesary shopper delays
- Enables deployment in space-constrained retail locations without impacting merchandising space
- Generates operational information to help quickly identify and correct performance issues with the EAS connectivity option

Product Codes
ZBAMB5290
- AMB5290A, ZBAMB9010-IPS, Power Cord

ZBAMB5290A
- AMB5290, Vertical Coil Antenna Kit

ZBAMB9010-IPS
- AMB9010-IPS Controller

Product Compatibility
- All Sensormatic AM EAS Labels
- Wireless Device Manager
- Wireless Module
- Shrink Management as a Service (SMaaS)
- Deactivation Remote Alarm Module

Electrical
Requires Universal Deactivation Controller (ZBAMB9010-IPS)

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.
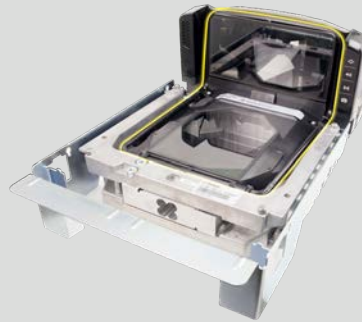
ZBAMB5470
AMB5470 Bi-Planar Antenna for Zebra MP7000

ZBAMB5010
AMB5010 Vertical Antenna

This high-performance Sensormatic deactivator antenna integrates with the Zebra MP7000 Multi-Plane Bi-Optic Scanner/Scale for a more streamlined checkout experience. After cashiers scan products and information verified at the point-of-sale, attached AM EAS labels are automatically deactivated for fast and accurate checkout — even in high-traffic, high-volume locations. The antenna delivers high throughput deactivation regardless of label orientation to help improve front-end checkout efficiencies. This true integrated deactivation solution helps prevent sweethearting, scan avoidance and merchandise switching.

The antenna's design and geometry is unique to the Zebra MP7000 Multi-Plane Bi-Optic Scanner/Scale and must be retro-fitted in the field. The antenna is located inside the scanner housing, eliminating the need for checkstand modifications and reducing overall installation costs. When connected to a compatible EAS data management device, real-time deactivation counts can be generated into user-friendly, customizable reports with actionable business-critical data.

Retailer Values

· Accelerates checkout by simultaneously scanning and deactivating protected merchandise
· Improves front-end efficiencies with high throughput deactivation regardless of label orientation
· Helps prevent sweethearting, scan avoidance and merchandise switching by only deactivating scanned and purchased items
· Reduces overall installation costs by eliminating checkstand modification
· Enhances front-end productivity with built-in audible and visual indicators that show when active labels are detected and deactivated
· Generates operational information to help quickly identify and correct performance issues associated with EAS connectivity

Product Codes

Bi-Planar Antenna for Zebra MP7000 Multi-Plane Bi-Optic Scanner/Scale

· ZBAMB5470: AMB5470 L-Shape Single Coil Antenna, AMB9010-IPS Controller, Install Kit, Power Cord

· Additonal antenna options: Sensormatic deactivation antenna integrates around a compatible Zebra single plane vertical scanner housing.
· ZBAMB5010: AMB5010 Vertical Antenna, AMB9010-IPS Controller, Install Kit, Power Cord

Product Compatibility

· All Sensormatic AM EAS Labels
· Wireless Device Manager
· Wireless Module
· Shrink Management as a Service (SMaaS)
· Deactivation Remote Alarm Module

Electrical

Requires Universal Controller:
(ZBAMB9010-IPS)

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.

The high-performance Sensormatic deactivator is an antenna designed specifically to integrate with ompatible BEETLE/iSCAN EASY eXpress Self Check-Out kiosks. After transaction is initiated, products are scanned and the antenna deactivates AM EAS labels for a convenient and accurate checkout.

Regardless of label orientation, an active label can be deactivated up to 4.5 inches away from the scanning window. The deactivation antenna design and geometry is unique to the BEETLE/iSCAN EASY eXpress kiosk, and ships completely installed within the unit from the scanner manufacturer. The deactivator can be connected to the Sensormatic Shrink Management as a Service (SMaaS) platform which provides retailers with data and predictive analytics to make better decisions, reduce shrink, optimize labor, and increase sales.

Retailer Values
- Expedites the self check-out process by simultaneously scanning and deactivating protected merchandise to alleviate unnecessary shopper delays
- Deactivator arrives installed in the self check-out kiosk providing seamless integration with the scanner
- Captured deactivation data provides retailers with insights to drive decisions that may positively impact shrink and bottom line results when connected to the SMaaS reporting platform

Product Codes
ZBAMB5500
- Power Cord, Vertical Coil Antenna Kit Controller

ZBAMB5500A
- Vertical Coil Antenna Kit

ZBAMB9010-IPS
- Controller

Product Compatibility
- All Sensormatic AM EAS Labels
- Wireless Device Manager
- Wireless Module
- Remote Alarm Module
- Shrink Management as a Service (SMaaS)

Electrical
Uses Universal Deactivation Controller: (ZBAMB9010-IPS)

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.

AMB5500A
Integrated Deactivator Vertical Coil Antenna

The high-performance Sensormatic deactivator is an antenna designed specifically to integrate with compatible Fujitsu Mini-Express Self Check-Out kiosks. After transaction is initiated, customers can personally scan each item while the antenna simultaneously deactivates the AM EAS labels for a convenient and accurate checkout. Regardless of label orientation, an active label can be deactivated up to 4.5 inches away from the scanning window. The deactivation antenna design and geometry is unique to the Fujitsu Mini-Express Self Check-Out kiosk and must be retrofitted in the field. The antenna is embedded directly behind the imaging scanner window housing allowing accurate deactivation once merchandise is scanned. The Universal Deactivation Controller (AMB9010-IPS) provides the power to efficiently operate the deactivation antenna. For added EAS effectiveness, integrated deactivators can be connected to Shrink Management as a Service which provides remote management of devices along with predictive analytics to help retailers make better decisions, reduce shrink, optimize labor, and increase sales.

Retailer Values

· Streamlines the checkout process by allowing the customer to independently scan and deactivate protected merchandise to help alleviate unnecesary shopper delays
· Enables deployment in space-constrained retail locations without impacting merchandising space
· Gain insights to help make effective data-driven decisions that may positively impact shrink and bottom line results when connected to SMaaS

Product Codes

ZBAMB5600

· Vertical Coil Antenna, Controller, Power Cord

ZBAMB5600A

· Vertical Coil Antenna Kit

ZBAMB9010-IPS

· Controller

Product Compatibility

· All Sensormatic AM EAS Labels
· Wireless Device Manager
· Wireless Module
· Remote Alarm Module
· Shrink Management as a Service (SMaaS)

Electrical

Requires Universal Deactivation Controller (ZBAMB9010-IPS)

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.

ZBAMB5600A
Vertical Coil Antenna

The Sensormatic Bagwell Bulk Deactivator provides a fast, secure and convenient bulk deactivation solution for Mobile or Self-Checkout point-of-sale systems and delivers Sensormatic deactivation performance for acousto-magnetic (AM) labels in the retail environment. When using a mobile-checkout (MCO) solution or a stationary self-checkout (SCO) system, customers personally scan each item placing the verified merchandise directly into their cart or bag.

Upon completion of the sales transaction, the customer will be instructed to place their bagged purchase in the Bagwell deactivation pod to deactivate the AM EAS labels. All labels are bulk deactivated allowing the customer to quickly and seamlessly complete the checkout process. The embedded configuration allows the retailer to insert the deactivator in any non-metal countertop. Preserving store aesthetics and delivering the right look for virtually any retail setting, the Bagwell Bulk Deactivator contains high performance Sensormatic antennas designed to automatically deactivate active AM EAS labels regardless of label orientation for a convenient and accurate checkout.

Retailer Values

- Customer self-deactivation solution for a wide range of retail environments
- Customer can independently scan, bag, check-out, and deactivate their merchandise without assistance or intervention of store personnel
- Allows staff to focus on the customer to help increase sales and customer satisfaction
- Retailer can determine which transactions require label deactivation for a quicker check-out experience
- Flexible installation allows retailer to embed in their own check-out kiosk

Product Code

ZBAMB5800E

- Bagwell Antenna Kit, AMB9010-IPS Controller, Remote Alarm Module, Power Cord

Product Compatibility

All Sensormatic AM EAS Labels

Electrical

Requires Universal Controller (ZBAMB9010-IPS)

Specifications

Height 54cm (21.3in)
Width 41.8cm (16.5in)
Depth 42.4cm (16.7in)
Weight 26.3kg (58lb)

Environmental Constraints

Operating Temperature
0° to 50°C (32° to 122°F)
Humidity
0% to 90% non-condensing

Declarations

Regulatory Model
LFAMB1801

Safety
- UL/CSA/EN 60950-1
- UL/CSA/EN 62368-1

Equipment Modification Caution: Equipment changes or modifications not expressly approved by Sensormatic Electronics, LLC, the party responsible for FCC compliance, could void the user's authority to operate the equipment and could create a hazardous condition.

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.

ZBAMB4400
Deactivation Module

The Sensormatic Mobile Handheld Deactivator is designed to attach to Motorola's MT2070 or DS6878 scanners for an all-in-one mobile scanner/deactivation solution. After scanning merchandise, the deactivator emits a visual and an audible signal to confirm successful AM EAS label deactivation. When lit, the indicator light alerts cashiers that an active label is still in the deactivator's range. This level of intelligence and control helps prevent sweethearting, scan avoidance and merchandise switching.

The mobility feature allows cashiers to scan and deactivate heavy, bulky merchandise in the shopping cart to help improve checkout throughput, reduce nuisance EAS alarms at the door, and minimize heavy-lifting related injuries. As a result, the deactivator contributes to greater flexibility and safety for store associates, as well as faster checkout and increased customer satisfaction. The required Wireless Sync Access Point provides synchronization of the Mobile Handheld Deactivator with the EAS functionality of the detection pedestals to avoid interferences.

Retailer Values
- Reduces nuisance EAS alarms at the door
- Speeds throughput at the point-of-sale (POS) to help improve the customer experience
- Frees up counter space; device does not need to be installed in/under POS counter
- Scans heavy, bulky items right in the cart, helping prevent lifting related injuries
- Color LEDs and audible alerts let associates know the device is working properly
- Rugged design for reliable operation

Product Codes
Integration onto Motorola MT2070

ZBAMB4410
- Deactivation Module

ZBAMB4415
- Cradle Adapter for the MT2070 (required order)

ZBAMB4310
- Wireless Sync Access Point (required order)
- Integration onto Motorola DS6878

ZBAMB4400
- Deactivation Module

ZBAMB4420
- Module Adapter (required order)

ZBAMB4425
- Cradle Adapter Required for DS6878 (required order)

ZBAMB4310
- Wireless Sync Access Point (required order)

Product Compatibility
- All Sensormatic AM EAS Labels
- Motorola MT2070 Scanner (sold separately)
- Motorola DS6878 Scanner (sold separately)

Specifications

**ZBAMB4410 Deactivation Module
with MT2070**

Length..................................13.33cm (5.25in)
Width 11.43cm (4.5in)
Height 20.32.cm (8.0in)
Weight (with battery).............0.88kg (1.93lb)

**ZBAMB4400 Deactivation Module
with DS6878**

Length................................ 13.34cm (5.25in)
Width 11.43cm (4.5in)
Height 18.90cm (7.44in)
Weight (with battery)............ 0.75kg(1.654lb)

**ZBAMB4310 Wireless Sync Access Point
(Required order)**

Length.......................................13cm (5.5in)
Width 11.5cm (4.5in)
Depth 4.3cm (1.7in)
Weight 0.24kg (0.536lb)

Electrical

- AC Input: 100–240V @ 47–63Hz
- DC Input: 12Vdc @ 2.5A

Communications

Power On Indicator ....Blue LED
Display .... Scanner has LCD

Data Communication:

Wireless 802.15.4
Data Rate 250Kbps
Frequency Range ....2.4GHz ISM ban
                                        2405MHz–2480MHz
Output Power..................5mW, +7dBm Max.
                                            (boost mode)

Spreading Technique

- Direct Sequence Spread
- Spectrum (DSSS)

EAS Synchronization

- Wireless EAS
- ync-AP Transceiver

Declarations

EMC

47 CFR, Part 15
ICES-003
RSS-Gen
RSS-210

Safety (second edition)

UL 60950-1
CSA C22.2.60950-1
EN 60950-1

Base Charging Station
with Cradle Adapters

Wireless Sync Access Point

The Sensormatic FreeStyle Handheld Deactivator is a battery-operated deactivator and verifier for AM EAS labels. Combining three accessories into one, this device detects active labels up to 15cm (6in), deactivates them up to 7.6cm (3in) above the surface of the unit, and when in "Search Only Mode," it verifies source tagged labels on protected merchandise.

While in this mode, the handheld will not deactivate an active label. The mobility feature allows cashiers to deactivate labels on merchandise too heavy or bulky to lift onto the point-of-sale counter. This feature can also be used to address incoming/outgoing alarms at the entrance to ensure a valid purchase, and eliminate customer wait time and embarrassment.

The FreeStyle Handheld Deactivator features integrated status indicators that provide visual and audible notifications when live labels are successfully detected and deactivated. This self-contained unit utilizes internal batteries that automatically recharge when placed in charging cradle. Security passcode and time out features help prevent unauthorized use.

Retailer Values

- Portable device detects and deactivates active AM EAS labels anywhere in the store for enhanced customer service and employee productivity
- Automatically recharges in charging cradle to ensure device is always ready for use
- Built-in audible and visual indicators provide immediate feedback when labels are detected and deactivated, enhancing front-end productivity
- Security passcode and time out features help prevent unauthorized use

Product Codes

ZBHHCW
- Handheld Deactivator, Base Charging Station (Customer Install-US Only)

ZBHHCW-I
- Handheld Deactivator, Base Charging Station (Sensormatic Installed)

ZEHHDW
- Handheld Unit

ZEHHBCS
- Base Charging Station

Product Compatibility

All Sensormatic AM EAS Labels

Specifications

Color .... Dark Gray
Length
Handheld.....................................28cm (11in)
Docking Station...........................20cm (8in)
Width
Handheld................................11.4cm (4.5in)
Docking Station.........................14cm (5.5in)
Height
Handheld................................3.2cm (1.25in)
Docking Station........................7.6cm (3.0in)
Weight 0.8kg (28oz)
Power Supply Weight.................0.8kg (28oz)

Electrical

Base Charging Station
AC Power (N. America .... 120Vac, 0.5A (60Hz) Class 2
AC Power (Europe)...................230Vac, 0.3A (50Hz) LPS

Environmental Constraints

Operating Temperature

0°C to 40°C (32°F to 104°F)

Declarations

Deactivator and Charger

EMC

47 CFR, FCC Part 15

Subpart C

EN55022

ETS 300 330

ETS 300 683

RS 210

Safety (second edition)

Power Supply

Certified Class 2

EN60950 LPS

UL 1950

Handheld

EN60950

UL 1950

CSA C22.2 No. 950

Charger

UL 1950

EN60950

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.

The Sensormatic Hand Stamp Deactivator conveniently deactivates AM EAS labels without removing merchandise from the shopping cart. This device is especially useful for deactivating heavy, bulky products that are difficult to lift onto the register – helping reduce nuisance alarms and prevent lifting-relating injuries.

The spring-loaded feature returns the stamp to its normal position after deactivation. The hand stamp includes a durable lanyard to fasten to the counter to prevent removal from the store environment.

Retailer Values

- Conveniently deactivates labels without removing merchandise from the shopping cart to reduce nuisance alarms and improve employee productivity
- Integrated lanyard fastens to the counter to prevent unauthorized use or removal from the store

Product Code

ZK20-1

Product Compatibility

All Sensormatic AM EAS Labels

Specifications

Length 7.0cm (2.75in)
Width 3.6cm (1.4in)

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.

The Sensormatic PowerPad Deactivator offers superior deactivation reliability at impressive throughput speeds. The PowerPad deactivates active AM EAS labels up to 17.5cm (7in) above its surface at a throughput speed of up to 200cm/sec (80in/sec) – allowing deactivation of both source-tagged and retailer-tagged merchandise.

Designed to accommodate various check-stand configurations, the PowerPad can be installed on or below the counter, or at the counter's edge with brackets. The optional Remote Alarm Module can be mounted almost anywhere on the checkstand. The alarm module provides audible and visual confirmations when active labels are detected and deactivated. The locking key feature within the alarm module, prevents unauthorized use of the PowerPad when point-of-sale is unattended.
When connected to a compatible EAS data management device, real-time deactivation counts can be generated into user-friendly customizable reports to provide business-critical data.

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.

Retailer Values
· Flexible installation options accommodate a variety of checkstand configurations
· Fast deactivation accelerates check-out and alleviates unnecessary shopper delays
· EAS connectivity option allows generation of operational information to help quickly identify and correct performance issues
· Built-in audible and visual indicators provide immediate feedback when active labels are detected and deactivated, enhancing front end productivity

Product Codes
ZBSMP-PW
· PowerPad Deactivator, Universal Controller, Power Cord

ZBAMB9010-IPS
· Controller with Cord

ZBSMPPPE
· PowerPad Deactivator Only

ZBSTP-PPE-B1
· Flush Mount Tray

ZBSTP-PP-B2
· Under-the-Counter Bracket

ZBSTP-PPE-B3
· Cantilever Mounting Bracket

Product Compatibility
· All Sensormatic AM EAS Labels
· Wireless Device Manager
· Wireless Module
· Shrink Management as a Service (SMaaS)
· Deactivation Remote Alarm Module

Specifications
Length................................. 39.3cm (15.5in)
Width 17cm (6.7in)
Height 5.7cm (2.2in)
Weight 9.6kg (21lb)
Pad Cable Length 3m (10ft)

Electrical
Requires Universal Controller
(ZBAMB9010-IPS)

Environmental Constraints
Operating Frequency
58 kHz
Operating Temperature
0°C to 40°C (32°F to 104°F)

The Sensormatic SlimPad Deactivator offers reliable deactivation for checkstands with limited space. The SlimPad automatically deactivates active AM EAS labels up to 15cm (6in) above its surface at a throughput speed of up to 200cm/sec (80in/sec). It's narrow design allows installation on either side of the scanner to help maintain the proper flow of products: first over the scanner, then over the deactivator.

The optional Remote Alarm Module can be mounted almost anywhere on the checkstand. The alarm module provides audible and visual confirmations when active labels are detected and deactivated. The locking key feature within the alarm module prevents unauthorized use of the SlimPad when point-of-sale is unattended. When connected to a compatible EAS data management device, real-time deactivation counts can be generated into user-friendly customizable reports to provide business-critical data.

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.

Retailer Values
- Narrow design allows installation on either side of the scanner to maintain proper "scan-deactivation"
- product flow
- Fast deactivation accelerates check-out and alleviates unnecessary shopper delays
- EAS connectivity option allows generation of operational information to help quickly identify and correct performance issues
- Built-in audible and visual indicators provide immediate feedback when active labels are detected and deactivated, enhancing front-end productivity

Product Codes
ZBSMP-SL
- SlimPad Deactivator, Universal Controller, Remote Alarm Module, Power Cord

ZBAMB9010-IPS
- AMB9010-IPS Controller Only

ZBSMPSPE
- SlimPad Deactivator Only

ZPSTP-RA
- Remote Alarm Module

ZPSL-B2
- Under-the-Counter Mounting Bracket

ZPSL-B3
- End-of-the-Counter Cantilever Bracket

Product Compatibility
- All Sensormatic AM EAS Labels
- Wireless Device Manager
- Wireless Module
- Shrink Management as a Service (SMaaS)
- Deactivation Remote Alarm Module

Specifications
Length 35.7cm (14.0in)
Width 11.4cm (4.5in)
Height 7.0cm (2.8in)
Weight 6.5kg (14.3lbs)
Pad Cable Length 3m (10ft)

Electrical
Requires Universal Controller (ZBAMB9010-IPS)

Environmental Constraints
Operating Frequency
58 kHz
Operating Temperature
0°C to 40°C (32°F to 104°F)

The Sensormatic CompactPad Deactivator provides convenient and simple deactivation for even the smallest checkstand areas. Designed in front-end applications where high-speed throughput is not a priority, this unit deactivates active AM EAS labels up to 15cm (6in) above the surface of the pad at a throughput speed of up to 152 cm/sec. (60in/sec). An LED light on the deactivator provides visual deactivation notification. Optional Remote Alarm Module provides visual and audible confirmations when active labels are detected and deactivated. The locking key feature within the remote alarm module prevents unauthorized use of the CompactPad when point-of-sale is unattended. The alarm module can be mounted almost anywhere on the checkstand. When connected to a compatible EAS data management device, real-time deactivation counts can be generated into user-friendly customizable reports to provide business-critical data.

Retailer Values
- Designed for even the smallest checkstand areas to allow maximum use of counter space
- Reliable deactivation for increased customer service and fewer nuisance alarms

- EAS connectivity option allows generation of operational information to help quickly identify and correct performance issues
- Built-in audible and visual indicators provide immediate feedback when active labels are detected and deactivated, enhancing front-end productivity

Product Codes
ZBSMP-CM
- Tabletop System: CompactPad, Universal Controller, Remote Alarm Module, Power Cord

ZBSMP-CM-F
- Flush Mount System: CompactPad Pro, Universal Controller, Remote Alarm Module, Power Cord

ZBSMPCPE
- Tabletop CompactPad Only

ZBSMPCPEF
- Flushmount CompactPad Only

Product Compatibility
- All Sensormatic AM EAS Labels
- Wireless Device Manager
- Wireless Module
- Shrink Management as a Service (SMaaS)
- Deactivation Remote Alarm Module

Specifications
Length
Tabletop 20.8cm (8.2in)
Flush Mount 24.2cm (9.5in)
Width
Tabletop 16.2cm
Flush Mount 19.1cm (7.5in)
Height
Tabletop 4.9cm (1.9in)
Flush Mount 4.9cm (1.9in)
Weight 3.1kg (6.9lb)

Electrical
Requires Universal Controller (ZBAMB9010-IPS)

Environmental Constraints
Operating Frequency
58 kHz
Operating Temperature
0°C to 40°C (32°F to 104°F)

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.

The Sensormatic Low Profile Pad Deactivator features high-speed throughput for grocery, DIY and general merchandise retail stores. Accommodating a variety of checkstand configurations, this deactivator can be installed under the counter or conveyor. The unit deactivates AM EAS labels up to 20cm (8in) above the surface of the pad at a throughput speed of up to 254 cm/sec (100 in/sec).

The optional Remote Alarm Module provides visual and audible confirmations when active labels are detected and deactivated. The locking key feature within the alarm module, prevents unauthorized use of the Low Profile Pad when point-of-sale is unattended. The alarm module can be mounted almost anywhere on the checkstand. When connected to a compatible EAS data management device, real-time deactivation counts can be generated into user-friendly customizable reports to provide business-critical data.

Retailer Values

- Flexible installation options accommodate a variety of checkstand configurations in high throughput environments
- Fast deactivation rates expedite checkout for increased customer service and efficiency
- EAS connectivity option allows generation of operational information to help quickly identify and correct performance issues
- Built-in audible and visual indicators provide immediate feedback when active labels are detected and deactivated, enhancing front-end productivity

Product Codes

ZBSMP-LW
- Low Profile Pad Deactivator, Universal Controller, Remote Alarm Module, Power Cord

ZBSMPLPE
- Low Profile Pad Deactivator

ZPLW-B2
- Under-the-Counter Mounting Bracket

ZPLW-B6
- Conveyor Mounting Bracket

Product Compatibility

- All Sensormatic AM EAS Labels
- Wireless Device Manager
- Wireless Module
- Shrink Management as a Service (SMaaS)
- Deactivation Remote Alarm Module

Specifications

Length......................................35.6cm (14in)
Width 22.9cm (9in)
Height 2.9cm (1.1in)
Weight 5.4kg (12lb)
Pad Cable Length...........................3m (10ft)

Electrical

Requires Universal Controller (ZBAMB9010-IPS)

Environmental Constraints

Operating Frequency
58 kHz
Operating Temperature
0°C to 40°C (32°F to 104°F)

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.

ZBAMB2011T
Deactivator Antenna, Countertop

ZBAMB2011F
Deactivator Antenna, Flushmount

The Sensormatic Value Pad Deactivator deactivates active AM EAS labels up to four inches above the surface of the pad for a reliable and virtually seamless process while expediting throughput at the point-of-sale (POS). This unit uses a two-step detect and deactivate process. The integrated status indicators provide visual and audible notifications when live labels are successfully detected and deactivated.

In addition, the deactivator acts as a double-checking device if an associate is ever uncertain whether the label was deactivated. The integrated keypad allows associates to control the volume and tone of the deactivator to distinguish it from other POS equipment. The keypad also initiatess the "power-save" mode to help prevent theft by turning the unit off.

With a variety of installation options available – countertop, vertical and flush mount – the sleek design and small footprint maximizes POS counter space. The Value Pad operates off an ordinary electrical outlet and does not require a separate controller. When connected to a compatible EAS data management device, real-time deactivation counts can be generated into user-friendly customizable reports to provide business-critical data.

Retailer Values
- Scan-enable functionality only deactivates labels with a valid barcode
- Slim design allows maximum use of POS space
- EAS connectivity option allows for generation of operational information to help quickly identify and correct performance
- Built-in audible and visual indicators provide immediate feedback when active labels are detected and deactivated

Product Codes
ZBAMB2011T
- Deactivator Antenna, Countertop Mounting Hardware, Power Cord

ZBAMB2011F
- Deactivator Antenna, Flushmount Bracket, Power Cord

ZBAMB2011
- Deactivator Antenna Only

ZBAMB1101
- Deactivator Antenna (without keypad), Power Supply and Power Cord

ZBAMB2011U
- Under the Counter Mounting Bracket

ZBFM-B1
- Flushmount Mounting Bracket

ZPCM-B5
- Tabletop Vertical Mounting Bracket

ZPCM-B6
- Tabletop Sidewall Mounting Bracket

Product Compatibility
- All Sensormatic AM EAS Labels
- Wireless Device Manager
- Wireless Module
- Shrink Management as a Service (SMaaS)
- Deactivation Remote Alarm Module

Specifications
Length 21cm (8.3in)
Width 16cm (6.3in)
Height 4cm (1.6in)
Weight 0.95kg (2.1lb)
Power Cord Length 170cm (5.5ft)
Power Supply Weight 0.28kg (0.6lb)

Electrical

Deactivator
Input Voltage...............................18Vdc, 1.7A

Separate Power Supply
Input Voltage..............100−240Vac, 50/60Hz
AC Line Current........................1Arms (max.)
Output Voltage..... 18Vdc, 1.7A Listed Class 2
Certified Limited Power Source

Environmental Constraints

Operating Temperature
0°C to 35°C (32°F to 95°F)

Enclosure
0 to 90%, non-condensing

Declarations

EMC
47 CFR Part 15
RSS 210
EN 300330
EN 301489

Safety (second edition)
UL 60950-1
CSA C22.2.60950-1
EN 60950-1

EMF
EN 50364

CE This product is in conformity with RoHS
Directive 2011/65/EU, 2015/863/EU and REACH
regulation as defined in EC No 1907/2006 and
subsequent amendments.
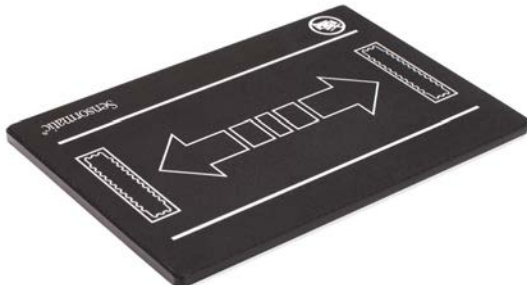
Simple, Economical Deactivation

A familiar task at the point-of-sale (POS) includes deactivating the Electronic Article Surveillance (EAS) labels that protect retail merchandise from shoplifters. The Sensormatic Contact Deactivator Pad helps make this part of the POS transaction easy and reliable.

The Contact Deactivator Pad is simple and easy to use. Deactivation of the active Acousto-Magnetic (AM) EAS label occurs when the label makes contact with the deactivator, and is moved horizontally across the deactivator's surface. This action will render the label inactive.

The deactivator pad doesn't require much space on the counter. It can be adhered to the counter just about anywhere in the POS area—wherever it's most convenient. The Contact Deactivator Pad is a non-powered pad, and requires no external power source.

This solution is optimized for in-store tagged merchandise, and is not recommended for source tagged items.

Retailer Values

- Flexible and versatile installation options
- Does not require any external AC power source to operate
- Economical low-cost deactivation solution

Product Code

ZK0025

- Contact Deactivator Pad

Product Compatibility

All Sensormatic AM EAS Labels

Specifications

Length 157mm (6.18in)
Width 106mm (4.17in)
Height 5mm (0.196in)
Weight 0.24kg (8.46oz)

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.

The ultra-thin Sensormatic Essentials Deactivator features a large pad target area to help provide reliable performance in a single pass. Regardless of label orientation, this unit deactivates active AM EAS labels up to 10cm (4in) above the surface of the pad and detects labels 15.2cm (6in) above its surface for consistent and effective operation. The pad features integrated status indicators that provide visual and audible notifications when live labels are successful detected and deactivated.

The AMB1200AM model is designed specifically for metal countertop installation. This model offers a seamless installation without cutting into the point-of-sale (POS) counter in an effort to maintain store aesthetics. The AMB1200 model is installed on top of the counter. The Essentials Controller powers either deactivator. For flexible installation options, the controller is attached to a flat surface and can be positioned vertically or horizontally. When connected to a compatible EAS data management device, real-time deactivation counts can be generated into user-friendly customizable reports to provide business-critical data.

Retailer Values
- Deactivates protected merchandise in a single pass, regardless of label orientation, to accelerate check-out and alleviate unnecessary shopper delays
- Built-in audible and visual indicators provide immediate feedback when active labels are detected and deactivated
- EAS connectivity option allows for generation of operational information to help quickly identify and correct performance issues

Product Codes
ZBAMB1200
- AMB1200 Deactivation Pad (for countertop), AMB1200C Controller

ZBAMB1200A
- AMB1200 Deactivation Pad (for countertop)

ZBAMB1200M
- AMB1200AM Deactivation Pad (for metal countertop), AMB1200C Controller

ZBAMB1200AM
- AMB1200AM Deactivation Pad (for metal countertop)

ZBAMB1200C
- Essentials Controller

Product Compatibility
- All Sensormatic AM EAS Labels
- Wireless Device Manager
- Wireless Module
- Shrink Management as a Service (SMaaS)
- Deactivation Remote Alarm Module

Specifications
Length
ZBAMB1200 ....31cm (12in)
ZBAMB1200AM.....................30.2cm (11.9in)
Width
ZBAMB1200 ....18cm (7in)
ZBAMB1200AM.......................19.8cm (7.8in)
Height
ZBAMB1200 .... 1.17cm (0.5in)
ZBAMB1200AM.....................2.01cm (0.79in)
Weight
ZBAMB1200 ....0.85kg (1.9lb)
ZBAMB1200AM......................2.62kg (5.78lb)

Electrical

Requires Essential Controller

Declarations

EMC

47 CFR, Part 15

RSS 210

EN 300 330

EN 301 489

Safety (second edition)

UL 60950-1

CSA-C22.2.60950-1

EN 60950-1

Environmental rating

IP20

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.

The Sensormatic Essentials Space-Saver Deactivator is designed for convenient, simple deactivation in even the smallest checkstand areas. The antenna simply attaches around a single-plane vertical point-of-sale (POS) scanner to preserve precious counter space. The compact antenna conveniently deactivates AM EAS labels up to12.7cm (5in) away from its surface, allowing cashiers to scan and deactivate protected merchandise in one simple motion.

The optional Remote Alarm Module can be mounted almost anywhere on the checkstand to provide visual and audible confirmation when active labels are detected and deactivated. The locking key feature prevents unauthorized use of the deactivator when the POS is unattended. When connected to a compatible EAS data management device, real-time deactivation counts can be generated into user-friendly customizable reports to provide business-critical data.

Retailer Values
· Compact design and easy installation allows maximum use of checkout space
· Single motion to scan and deactivate merchandise, improves throughput and productivityReliable deactivation for increased customer service and fewer nuisance alarms

Product Codes
ZBAMB1200T
· AMB1220A Coil Antenna, Essentials Controller, Power Cord

Product Compatibility
· All Sensormatic AM EAS Labels
· Wireless Device Manager
· Wireless Module
· Shrink Management as a Service (SMaaS)
· Deactivation Remote Alarm Module
· Scan Enable Upgrade Kit

Specifications
Depth 9.45cm (3.72in)
Width 20.3cm (7.98in)
Height 19.8cm (7.79in)
Weight 48kg (1.05lb)
Coil Cable Length 1.83m (6ft)

Electrical
Requires Essentials Controller (ZBAMB1200C)

Environmental Constraints
Operating Temperature
0°C to 40°C (32°F to 104°F)
Non-Operating Temperature
−40°C to 70°C (−40°F to 158°F)
Humidity
0 to 90%, non-condensing

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.

The Essentials Radio Frequency (RF) Deactivator will detect and deactivate RF labels with one swipe. This deactivator provides convenient, simple deactivation performance in even the smallest checkstand areas.

The deactivator deactivates active RF EAS labels up to 30cm (11in) above its surface when used with 4x4cm RF paper label. If a label cannot be deactivated, the built-in indicator will provide immediate feedback by generating a continuous beep.

With a variety of installation options − tabletop or under the counter − the sleek design maximizes point-of-sale counter space. The Essentials RF deactivation controller supports scanner integration with all 'EAS Ready' barcode scanners.

Retailer Values
- Deactivates protected merchandise in a single pass, regardless of label orientation, to accelerate check-out and alleviate unnecessary shopper delays
- Flexible installation options accommodate a variety of checkstand configurations

Product Code
RFB200
- Deactivator, Controller & Power Supply for NA

RFB200EU
- Deactivator, Controller & Power Supply for the EU

Product Compatibility
- All Sensormatic RF Labels
- EAS Ready Barcode Scanners
- Options
- Under Counter Bracket
- RF Remote Alarm Module

Specifications
Deactivation Pad
Length......................................23cm (9.05in)
Width 24cm (9.44in)
Height 3.0cm (1.18in)
Weight 0.60kg (12.34oz)
Cable Length 1.4m (4ft 5.9in)
Controller
Length..................................20.8cm (8.18in)
Width 5.7cm (2.24in)
Height 3.2cm (1.25in)
Weight 0.28kg (9.87oz)

Electrical
Separate Power Supply
Input Voltage................100−240 Vac 50/60z
AC Line Current.............................1,000 mA
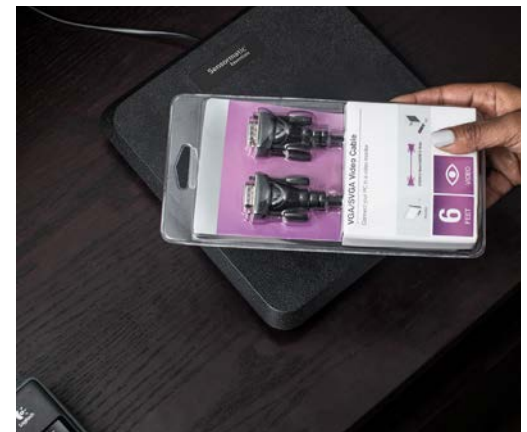Output Voltage....................12 DC 0.8A Max
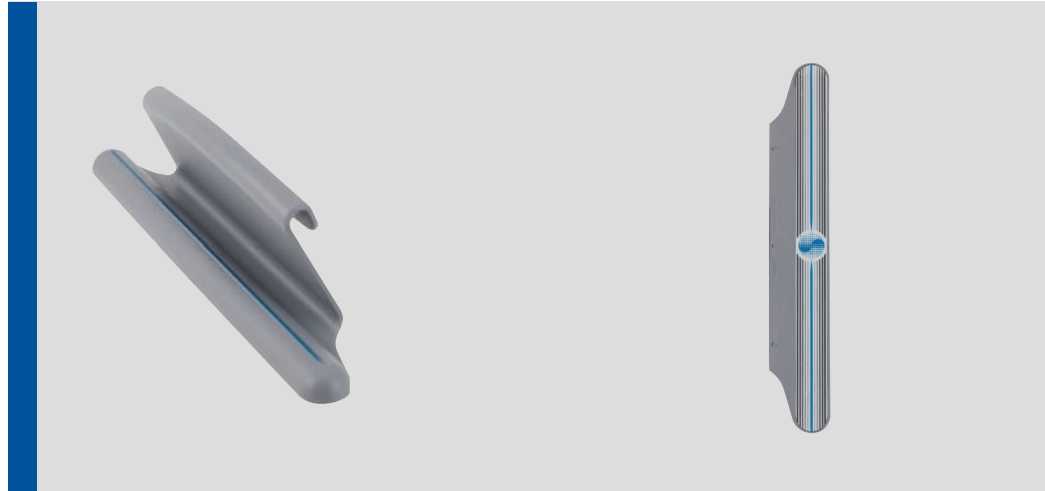
Environmental Constraints
Operating Temperature
0°C to 40°C (32°F to 104°F)
Enclosure
5% (0°C)~90% (40°C)

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.

The Sensormatic Hand Wand Activator reactivates AM EAS labels so returned merchandise can be securely placed back on the sales floor. By sliding the wand lengthwise over the deactivated label, the label is reactivated and the returned product is ready to be remerchandised. The device is especially useful for large and/or bulky items.

Retailer Values
- Quickly reactivates AM EAS labels on returned merchandise to ensure theft protection when put back on the
- sales floor
- Not multimedia safe
- Portable device is ideal for reactivating labels on heavy and/or bulky merchandise

Product Code
- ZKWACT

Product Compatibility
- All Sensormatic AM EAS Labels

Specifications
Width 19.7cm (7.75in)
Height 5.72cm (2.25in)
Depth 3.2cm (1.25in)

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.

MKAMK-1000
SuperTag Detacher Countertop Mount

MKAMK-1010
SuperTag Detacher Flush Mount

The Sensormatic SuperTag Detacher removes SuperTag hard tags from protected merchandise at the point-of-sale for quick and efficient operation while enhancing throughput. Operating off an ordinary electrical outlet, the detacher is offered as a countertop or flush- mount install to allow maximum use of checkout space. Integrated with a unique programmable keypad, this unit can be customized to help prevent unauthorized use.
When connected to a compatible EAS data management device, real-time deactivation counts can be generated into user-friendly customizable reports to provide business-critical data.

Retailer Values

- Quickly and efficiently removes all SuperTags to accelerate checkout and alleviate unnecessary shopper delays
- Compact design and flexible installation options allow maximum use of checkout space
- EAS connectivity option allows for generation of operational information to help quickly identify and correct performance issues
- Unique programmable keypad prevent unauthorized use when check stand is unattended

Product Codes

MKAMK1000DT
- Countertop Mount Detacher with Power Supply and Power Cord

MKAMK1010FM
- Flush Mount Detacher with Power Supply and Power Cord

MKAMK-1000
- SuperTag Detacher Countertop Mount

MKAMK-1010
- SuperTag Detacher Flush Mount

Product Compatibility

- SuperTag Portfolio
- Wireless Device Manager
- Wireless Module
- Shrink Management as a Service (SMaaS)

Specifications

Length
Countertop 15cm (5.9in)
Flush Mount 22cm (8.7in)

Width
Countertop 10.2cm (4in)
Flush Mount 18cm (7.1in)

Depth
Countertop 6.3cm (2.5in)
Flush Mount 6.3cm (2.5in)

Weight
Countertop 1.015g (2.2lb)
Flush Mount 1.12kg (2.5lb)

Electrical

Detacher Input .... 24 Vdc/2,0A (2.0A) max.

Power Supply Input
(based on Sensormatic part#5606-0083-01)
100-240 Vac (50/60Hz)/1,8A (1.8A)

Power Supply Output 24 Vdc/2,0A

Environmental Constraints

Operating Temperature

0°C to 40°C (32°F to 104°F) Ambient

Enclosure

0 to 90%, non-condensing

Storage Temperature

−40°C to 70°C (−40°F to 158°F)

Evaluated for altitudes less than 3200m (10,500ft)

Declarations

EMC

47 CFR Part 15

EN55022

EN55024

EN61000-3-2

EN61000-3-3

ICES 003

EN55014-1

EN55014-2

Safety (second edition)

UL 60950-1

CSA C22.2.60950-1

EN 60950-1

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.

IDKM1000DT
Desktop Detacher

IDKM1010FM
Flush Mount Detacher

The Sensormatic AM/RFID SuperTag Detacher combines performance with real-time visibility into inventory and assets to help improve operations, optimize prof-itability and create memo-rable shopper experiences. Fitted with an ultra-high frequency (UHF) RFID antenna, this detacher solution supports the AM SuperTag portfolio and RFID-enabled dual-technology tags, preparing for transition to RFID solutions in the future.

When connected to the Sensormatic IDX Multipurpose RFID reader, the RFID item-level data stored in dual-technology hard tags is read when the tag is detached. Through proper integration with the point-of-sale (POS) via the reader, this item-level data can be seamlessly captured, analyzed and acted upon. For instance, one func-tion requires the tag's RFID information to match the scanned merchandise barcode prior to completing the transaction and releasing the tag. This level of intelligence helps greatly reduce sweethearting, scan avoidance and merchandise switching.

A detacher and RFID reader work together to send item-level and AM detach data to TrueVUE inventory management software. This information drives reporting and dash-boards to support decision making in near real-time. Reporting data points include item detail, inventory by location, detacher counts and more.

Retailer Values
- Access item-level data from AM/RFID hard tags to ensure inventory accuracy and improve replenishment time
- Combats theft techniques such as scan avoidance, merchandise switching and sweethearting when connected to an IDX Multipurpose RFID Reader
- Removes all SuperTags quickly and easily to accelerate check-out and improve the customer experience
- Works with a connected RFID reader to send item-level and detach data to TrueVUE management software for near real-time reporting and analysis
- Increases detaching security with pass-word-protected lock and reset
- Provides ergonomic flexibility with desktop and flush mount options
- Gives feedback for correct operation via LEDs and the insertion switch

Product Codes
IDKM1000DT
- AM/RFID Desktop Detacher with Power Supply and Power Cord

IDKM1010FM
- AM/RFID Flush Mount Detacher with Power Supply and Power Cord

IDKM-1000
- AM/RFID Desktop Detacher Only

IDKM-1010
- AM/RFID Flush Mount Detacher Only

Product Compatibility
- SuperTag AM, AM/RFID Portfolio
- TrueVUE IDX-2000 2-Port Multipurpose RFID Reader
- TrueVUE IDX-8000 8-Port Multipurpose RFID Reader
- TrueVUE Software
- EPC Gen2 standard RFID Tags
- Wireless Device Manager
- Wireless Module
- Shrink Management as a Service (SMaaS)

Specifications

Desk Mount

Length......................................15.0cm (5.9in)
Width 10.2cm (4.0in)
Height 6.3cm (2.5in)
Weight 1.035kg (2.31lbs)

Flush Mount

Length....................................22.0cm (8.7in)
Width 18.0cm (7.1in)
Height 6.3cm (2.5in)
Weight 1.140kg (2.35lb)

Electrical

Detacher Input .... 24 Vdc / 2.5A max.
Power Consumption......................48W max.

Recommended Power Supply

Sensormatic part #5606-0083-01)

Power Input.............. 100-240 Vac (50/60Hz)
                                                            1.8A max.
Power Output...........................24 Vdc / 2.0A

RF Characteristics

Detacher is fitted with embedded
wideband RFID antenna.
Requires external RFID Reader to operate.
Detacher Antenna Gain..................-13.0dBiL

Can be used with readers operating in
NA (902–928MHz) or EU (865–868MHz)
frequencies (or subsets).

Choice of reader and settings limit
operation to match country specific
RF requirements.

Negative gain of antenna limits detacher
output to less than 100mW, even when
reader is set to 2W (33dBm).

Environmental Constraints

Temperature Range

Operating 0°C to +40° C (32°F to +104°F)
Storage 0°C to +70° C (32°F to +158°F)
Evaluated for altitudes less than 3200m
(10,500ft)

Humidity

0 to 90%, non-condensing

Regulatory

Declarations

EMC

· 47 CFR Part 15
· EN55022
· EN55024
· EN61000-3-2
· EN61000-3-3
· ICES 003
· EN55014-1
· EN55014-2

Safety (second edition)

· UL 60950-1
· CSA C22.2.60950-1
· EN 60950-1

CE This product is in conformity with RoHS
Directive 2011/65/EU, 2015/863/EU and REACH
regulation as defined in EC No 1907/2006 and
subsequent amendments.

IDKM1000DT
Desktop Detacher

IDKM1010FM
Flush Mount Detacher
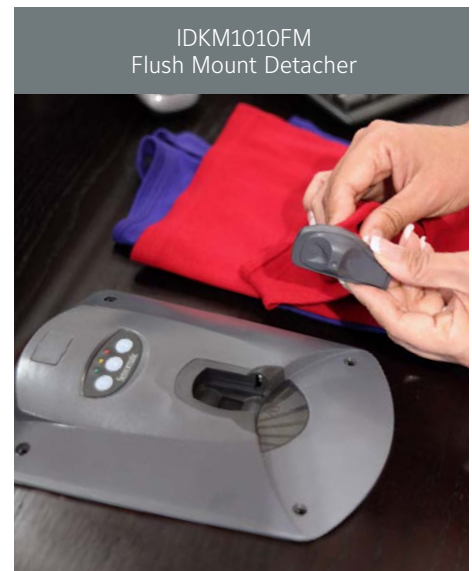
The Sensormatic SuperTag Manual Handheld Detacher is ergonomically designed to comfortably and easily remove SuperTags at the point-of-sale. At only 0.36kg (12.77oz), this detacher provides a lightweight and portable detacher solution. It features a symmetrical handle/trigger design that accommodates both left- and right-handed users and includes a top-mounted tag "nest" that allows easy operation with either hand.

Associates simply insert any SuperTag into the nest beneath the thumbnail tab, press the tag down flush in the nest, then squeeze the trigger to release the tack. The tough, molded construction makes t rugged and user-friendly – without sacrificing durability. For added security, this detacher has an internal EAS element to alarm detection systems if an attempt is made to remove it from the retail environment.

Retailer Values

- Ambidextrous design allows for quick and easy operation with either hand
- Rugged construction helps ensure reliable operation in spite of everyday drops and bumps
- No electric power or batteries needed for operation in any environment
- Integrated lanyard helps prevent unauthorized use and prevents removal from the store

Product Code

MK225-1

MX-4
- Replacement Lanyard

Product Compatibility

SuperTag Portfolio

Specifications

Length 19.56cm (7.7in)
Width 7.43cm (2.9in)
Depth 10.86cm (4.2in)
Weight 0.36kg (12.7oz)

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.
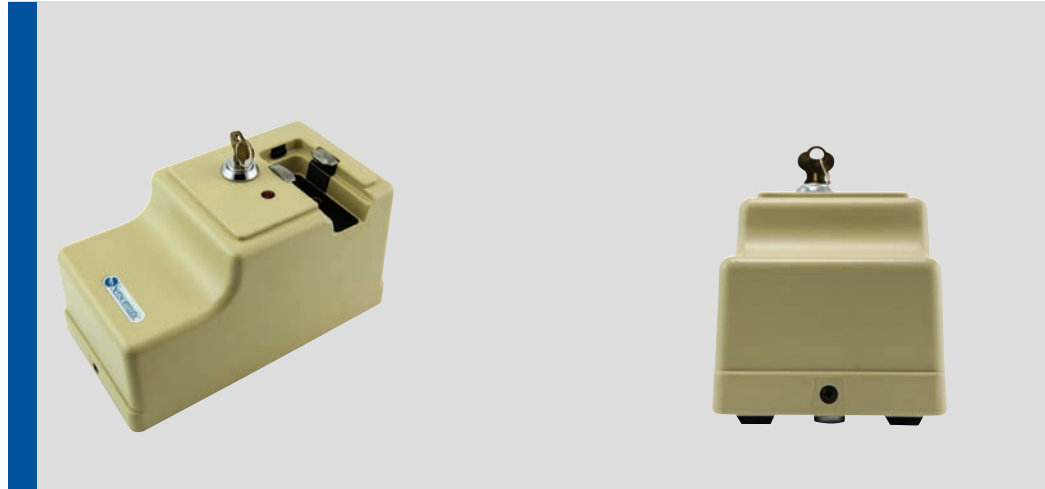
The Sensormatic Ultra-Gator Detacher easily removes Ultra-Gator hard tags at the point-of-sale (POS) for quick and efficient operation while enhancing checkout productivity. Operating off an ordinary electrical outlet, the detacher is offered as a countertop or flush-mount install to allow maximum use of checkout space. Equipped with a key lock to prevent unauthorized use, the detacher also features an internal EAS element that alarms detection systems if an attempt is made to remove it from the store.

Retailer Values
- Quickly and easily removes all Ultra-Gator hard tags to accelerate checkout and alleviate unnecessary shopper delays
- Compact design and flexible installation options allow maximum use of checkout space
- Security lock prevents unauthorized use when checkstand is unattended
- Internal EAS element alarms the detection system if attempt is made to remove from the store

Product Codes
MK91-XP
- Power Detacher, Beige (detacher, powercord, power supply)

MK91B-XP
- Power Detacher, Black (detacher, powercord, power supply)

01MK91-02
- Power Detacher Only

0352-0460-01
- Power Cord

5606-0083-01
- Power Supply

Product Compatibility
Ultra-Gator Portfolio

Specifications
Color .... MK91-XP: Beige
MK91B-XP: Black
Length 19cm (7.5in)
Width 10.15cm (4in)
Height 11.4cm (4.5in)
Weight 2.05kg (4.5lbs)

Electrical
Detacher Input .... 24Vac (50/60Hz), 1.0A max.
Requires NEC Class 2, Certified Limited, Power Source, Power Supply
Input .... 100–240Vac@50-60Hz
Output 24Vac 50/60Hz, 1.0Amin

NEC Class 2
Certified Limited Power Source

Environmental Constraints
Operating Temperature
0°C to 40°C (32°F to 104°F) Ambient
Relative Humidity
IPXO
Enclosure
0 to 90%, non-condensing
Storage Temperature
−40°C to 70°C (−40°F to 158°F)
Highest Sound Pressure Level
83dB(A)

Declarations
EMC
47 CFR, Part 15
EN 55014
EN 61000-3-2+R19
EN 61000-3-3
Safety (second edition)
UL 60950-1
CSA C22.2.60950-1
EN 60950-1
IEC 60950-1

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.

The Sensormatic Ultra-Gator Manual Handheld Detacher is designed for comfort and easy tag removal at the point-of-sale (POS). At only 0.41kg (14.4oz), this device provides a lightweight, portable detacher solution that is an excellent backup to the Ultra-Gator Detacher. The tough, molded construction makes it rugged and user-friendly − without sacrificing durability. The optional AM EAS label deactivator attaches to the top of the detacher for a combined deactivation and detaching solution. The integrated cable attaches the detacher to the POS to prevent removal from the register. For additional security, this detacher features an internal EAS element to alarm detection systems if an attempt is made to remove it from the store.

Retailer Values
· Lightweight and portable to comfortably and easily remove Ultra Gator-Tags at the point-of-sale
· Rugged construction helps ensure reliable operation in spite of everyday drops and bumps
· No electric power or batteries needed for operation in any environment
· Integrated lanyard helps prevent unauthorized use and prevents removal from the store

Product Codes
MK75I
· Ultra-Gator Manual Hand Detacher

MK75IZA
· Ultra-Gator Manual Hand Detacher with Label Deactivator

Product Compatibility
Ultra-Gator Tag Portfolio

Specifications
Length
Detacher with Boot Deactivator
(Boot Deactivator only)........69.80mm (2.7in)
Width
Detacher with Boot Deactivator
(Boot Deactivator only)........30.10mm (1.2in)
Height
Hand Detacher.............................18cm (7in)
Detacher with Boot Deactivator
(Boot Deactivator only)...... 21.40mm(0.84in)

Weight.................................0.41kg (0.90lbs)

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.

MKD400-BL
Countertop or Recessed Detacher

Designed for quick and efficient removal of magnetic 9kG security tags from merchandise at the point-of-sale (POS), this high-strength detaching platform provides security for a full line of products. These detachers are easy to use and can be secured directly to, or recessed into, the POS countertop to maximize space while maintaining high standards of security.

The mobility feature of the coiled cable handheld detacher (MKDAMK4100-CBL) allows cashiers to remove magnetic 9kG security tags from heavy, bulky merchandise in the shopping cart and at the POS counter. It attaches to the countertop via the integrated coiled cable and features a locking key to prevent unauthorized use. For added security, the detacher has an internal EAS element that will alarm detection systems if attempt is made to remove it from the store.

The countertop detacher (MKD400-BL) maximizes space at the POS and expedites throughput with one-handed detaching of magnetic 9kG hard tags. It fastens directly on, or recesses into, any POS countertop to prevent removal from the store and features a locking key to prevent unauthorized use. The optional Retrofit Kit (MKDAMK421) combines superior unlocking magnetic

strength with the detaching capabilities of the flush mount industry-standard SuperTag Power Detacher for a total detaching solution. This solution eliminates the need for multiple detaching devices at the POS in a SuperTag and magnetic 9kG hard tag environment.

Retailer Values
- One-handed detaching accelerates checkout and alleviates unnecessary shopper delays
- Extendable coiled cable allows cashiers to detach hard tags on merchandise unable to be placed on the counter
- Compact design and flexible installation options allow maximum use of POS space
- Security lock prevents unauthorized use when POS is unattended
- Seamlessly combines high magnetic detaching strength with SuperTag power detaching to eliminate the need for multiple detaching devices at the POS
- Internal EAS element within the coiled cable detacher alarms the detection system if attempt is made to remove from the store

Product Codes

MKD400-BL
- Countertop or Recessed Detacher

MKDAMK4100-CBL
- Coiled Cable Handheld Detacher

MKDAMK4100-CL
- Coiled Cable Replacement Kit

MKDAMK4210-BL
- Retrofit flush mount kit (not a standalone, must attach to the SuperTag flush mount power detacher)

MKDAMK4300-BL
- Retrofit Countertop Mount (not standalone, must attach to the SuperTag Countertop power detacher)

MKDAMK400-L
- T-Bar lock

Product Compatibility
- Sensormatic 9kG Magnetic Strength Hard Tags
- Magnetic Alarming 2-Tone Tag
- Magnetic Mini Alarming 2 and 3-Tone Lanyard Tags

Specifications

MKD400-BL

Countertop or Recessed Detacher
Base Diameter 102mm (4.016in)
Height 44mm (1.73in)
Weight 0.35kg (0.77lb)

MKDAMK4100-CBL

Coiled Cable Handheld Detacher
Height 73mm (2.9in)
Diameter 86mm (3.4in)
Weight 0.60k (1.32lb)
Maximum coiled cable range 1.8m (6ft)

MKDAMK4210-BL

Retrofit Flush Mount Kit
Length 287mm (11.3in)
Width 164mm (6.5in)
Depth 45mmm (1.8in)
Weight 0.38kg (13.4oz)

MKDAMK4300-BL

Retrofit Countertop Mount Kit
Length 287mm (11.3in)
Width 45mm (1.8in)
Depth 164mm (6.5in)
Weight 0.39kg (0.86lbs)

Environmental Constraints

Operating Temperature

0°C to 40°C (32°F to 104°F)

Enclosure

Retrofit Kit........... 0 to 90%, non-condensing
Coiled Cable Detacher .... 30% to 95%,
non-condensing

Coiled Cable Handheld

Retrofit Flush Mount Kit

Retrofit Countertop Mount Kit

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.

The Sensormatic Universal Magnetic Detacher unlocks all Sensormatic magnetic solutions as well as select magnetic hard tags.

In addition to removing Sensormatic 5kG and 9kG magnetic tags, this versatile detacher contains a ST3 magnetic key to provide detaching capability across a wide range of hard tags. The unit's small profile allows for one-handed detaching to help expedite throughput at checkout areas. Attached to the base with an integrated cable, the detacher can be positioned in either of two ways; detacher side up or down. When facing up, the device detaches magnetic sensors from protected merchandise. When placed facing down in the base, the device can be locked to protect against unauthorized use. The detacher can be locked so it cannot be removed from the base.

Retailer Values

- Unlocks all Sensormatic 5kG and 9kG magnetic tags

- Equipped with a ST3 magnetic key detacher allows removal of a wide variety of tags

- One-handed detaching accelerates checkout and alleviates unnecessary shopper delays

- Compact design and flexible installation options provide maximum space saving at point-of-sale (POS) areas

- Security lock prevents unauthorized use when checkstand is unattended

Product Code

MKD601

Specifications

Length 126mm (4.96in)
Width 80mm (3.14in)
Depth 43mm (1.69in)
Weight 0.448kg (0.988lb)
Cable length 1.5m (4.92ft)
Lock Magentic Strength .... 5kG and 9kG

CE This product is in conformity with RoHS II Directive 2011/65/EU and REACH Substances of Very High Concern as defined in Regulation (EC) No 1907/2006 and subsequent amendments to both.

This easy-to-use, small-profile detacher supports the Sensormatic magnetic 5kG hard tag portfolio, expediting throughput with one-handed detaching. The detacher can be secured directly to or recessed into any point-of-sale (POS) countertop to maximize counter space. The detacher features a T-bar type lock to prevent unauthorized use and reduce theft when POS is unattended.

Retailer Values
- One-handed detaching accelerates checkout and alleviates unnecessary shopper delays
- Compact design and flexible installation options allow maximum use of POS space
- Security lock prevents unauthorized use to reduce theft when POS is unattended

Product Codes
MKD31-BL
- 5kG Magnetic Detacher with Lock

MKD31-B
- 5kG Magnetic Detacher without Lock

MKDLOCK
- T-Bar Lock

Product Compatibility
- Sensormatic 5kG Magnetic Strength
- Hard Tags

Specifications
Height 41.9mm (1.65in)
Base Diameter 80.0mm (3.15in)
Weight 0.18kg (0.40lb)
Lock Magnetic Strength 5kG

This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.

The Sensormatic Universal Deactivator Controller provides the power to efficiently operate compatible EAS deactivation antennas within the store environment, deactivating active AM EAS anti-theft security labels at 2.5 active labels per second. Regardless of label orientation, this controller offers fast, accurate checkout service even in high-traffic, high-volume retail locations to help drive revenue while enhancing shopper throughput.

Providing the power to drive two deactivation antennas, this controller allows each to independently detect and deactivate AM EAS security labels. Additionally, this controller complies with international safety requirements to ensure global safety and quality standards are met.

Retailer Values

- Fast deactivation rates expedite checkout for increased customer satisfaction and employee efficiency
- Compact design and internal power supply allow flexible installation options including vertical, surface, and under-counter for maximum use of space
- EAS connectivity option allows generation of operational information to help quickly identify and correct performance issues
- Status LED lights show "power on", communication activity, and basic diagnostics to help reduce service calls
- Cable management helps prevent accidental unplugging and unintended increases in "nuisance" alarms

Product Code
ZBAMB9010-IPS

Product Compatibility

- Sensormatic Integrated Label Deactivators
- Sensormatic Countertop/Recessed Deactivators
- Remote Alarm Module

Specifications

Width 26.2cm (10.3in)
Height 10.1cm (4in)
Depth 22.1cm (8.7in)
Weight 2.5kg (5.5lb)
Power Cord Length 18.3m (6ft)

Electrical
Primary Input
100-120/200-240Vac 50/60Hz (±5%)
AC Line Current
1Arms max.

Scanner Port

Maximum Input Voltage .... 25Vdc (±5%)

Input 1+ and Input 2+
Input Voltage......... ±5–12Vdc typical greater
    than 12V observing the 32mA maximum

Input Current............10mA Source Minimum

Minimum Pulse Duration.................... 100ms

Detect Out .... Open-Collector Side of an
opto-isolator

Maximum Pull-Up Voltage .... +25Vdc
This output remains in the open state until
label detection occurs. It then shorts to the
Detect Common for a minimum of 39ms
based on label vicinity to the antenna plus 7
detection windows (5.555 x 7 = 39mS).

Detect common..............Emitter side of the
Detect Out opto-isolator. It normally should
be tied to D Ground (J8, Pin 6). Maximum
current limit: 6.3mA @
Vce < 10V 2mA @ Vce < 0.4V

Environmental Constraints

Operating Frequency
58kHz (+200Hz)
Operating Temperature
0°C to 40°C (32°F to 104°F)
Non-Operating Temperature
−40°C to 70°C (−40°F to 158°F)
Relative Humidity
0 to 90%, non-condensing

Declarations

EMC
47 CFR, Part 15
EN300 330-2
EN301 489
EN 55022
EN 55024
ICES-003
RSS-210

Safety (second edition)
UL 60950-1
CSA C22.2.60950-1
EN 60950-1

Environmental Rating
IPXO

CE This product is in conformity with RoHS
Directive 2011/65/EU, 2015/863/EU and REACH
regulation as defined in EC No 1907/2006 and
subsequent amendments.

The compact Sensormatic Essentials Deactivator Controller offers fast, accurate checkout service to drive revenue and increase shopper throughput. This device powers Essentials deactivator antennas to effectively deactivate active AM EAS labels, regardless of orientation. Its small footprint allows vertical or horizontal installation to meet individual retailers' needs.

Retailer Values

- Reliable deactivation, regardless of label orientation, for fewer nuisance alarms and a better customer experience
- Compact design allows flexible installation options to fit virtually any retailer's needs

Product Code

ZBAMB1200C

Product Compatibility

- Essentials Deactivators
- Deactivation Remote Alarm Module

Specifications

Length 29.4cm (11.6in)
Width 18.7cm (7.4in)
Height 8.15cm (3.2in)
Weight 1.43kg (3.15lbs)
Power Cord Length .... Approx 1.8–2.5m (6–8.2ft)

Electrical

Voltage Input
100–240Vac (± 10%)
50/60Hz (± 5%)

AC Line Current
1.5Arms max.

Environmental Constraints

Operating Temperature
0°C to 40°C (32°F to 104°F)
Non-Operating Temperature
−40°C to 70°C (−40°F to 158°F)
Relative Humidity
0 to 90%, non-condensing

Declarations

EMC
47 CFR, Part 15
RSS 210
EN 300 330
EN 301 489
Safety (second edition)
UL 60950-1
CSA-C22.2.60950-1
EN 60950-1
Environmental Rating
IP20

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.

SMaaS

Shrink Management as a Service

Proactive. Predictive. Preventative.

Shrink Management as a Service (SMaaS) is a cloud-based offering designed to help enhance productivity, increase reliability and boost performance for a more effective Loss Prevention program.

This innovative service provides device management, along with predictive analytics to help reduce shrink, improve sales, and optimize staffing. SMaaS helps reduce shrink while addressing underlying root causes with better equipment uptime and actionable insights. All connected devices are proactively monitored by dedicated remote diagnostic specialists to ensure systems are on-line and functioning properly.

With its easy-to-navigate dashboards, SMaaS helps make sense of the data for early identification of problems and better decision making where it counts.

Whether the objective is to minimize shrink, increase conversion rates, optimize inventory, drive employee productivity or enhance overall store performance, SMaaS provides the tools to be more effective.

Retailer Values

- Reliable and optimal system performance with 24/7 remote monitoring and management of connected EAS equipment health status for improved uptime
- Insights and analytics to help make effective data-driven decisions that may positively impact shrink and bottom line results
- Enhanced, mobile-optimized user interface permits easy access to SMaaS on any device
- Geo-mapping of Organized Retail Crime (ORC) patterns to help retailers take proactive measures to combat crime
- exacqVideo integration provides video device health monitoring and allows retailers to view video clips of incidents associated with EAS & ORC events

- Remote diagnostics and troubleshooting capabilities reduce the need for on-site service calls
- Track store occupancy compliance and view violations based on user defined thresholds
- Predictions of possible EAS alarms for the upcoming seven day period for better shrink management

A compatible Sensormatic gateway (or parent) device is required to connect, collect and send EAS data to SMaaS, these options are:
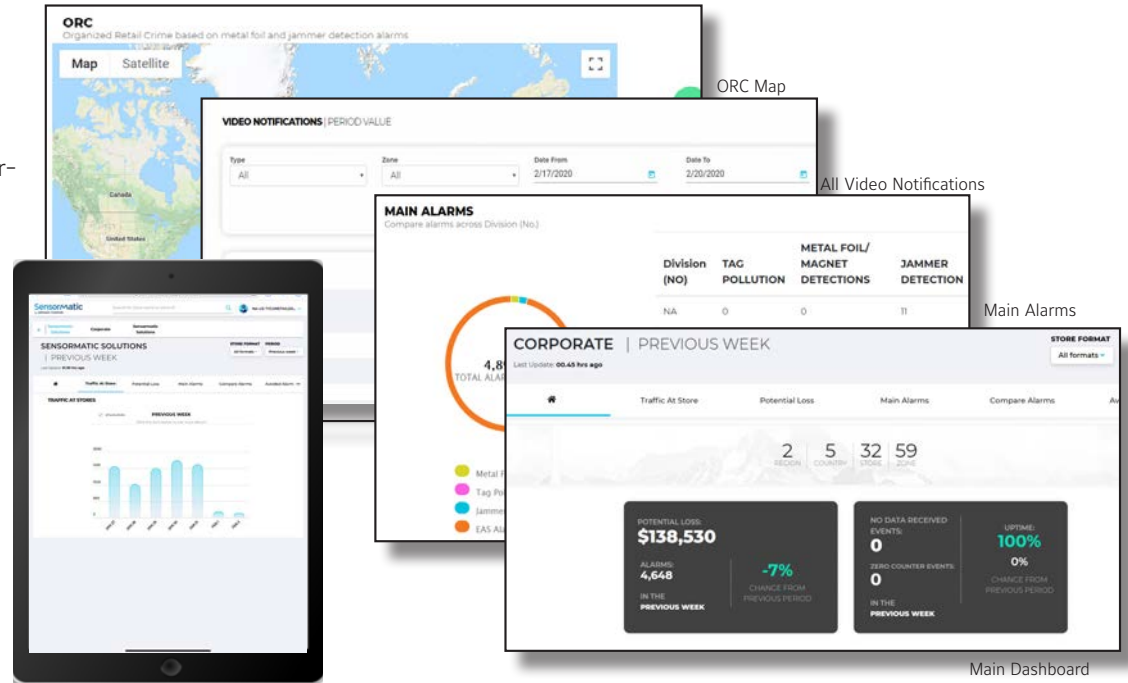- Wireless Device Manager
- Sensormatic Synergy Network Card

SMaaS Dashboards

User-friendly dashboards can be viewed by district, region and enter-prise-wide to isolate information needed.

To the right are a few sample dashboards and widgets.

ORC Map

All Video Notifications

Main Alarms

Main Dashboard

Remote System Monitoring & Diagnostic Services

PRODUCT CODES	SERVICE
SM-RDC-EXIT	Monthly Proactive Remote Service, AM EXIT Systems (per power pack)
SM-RDC-POS	Monthly Proactive Remote Service, POS Device (per device, deactivator/detacher)
SM-RDC-EXIT-RF	Monthly Proactive Remote Monitoring for RF EXIT Systems (per power pack)
SM-RDC-BIC	Monthly Proactive Remote Monitoring for Brickstream devices (per device)
SM-RDC-AMG	Monthly Proactive Remote Monitoring for Alert Metal Guard devices (per device)
SM-RDC-PC	Monthly Proactive Remote Monitoring for standalone Dual Beam/Irysis devices (per device)
SM-RDC-VIDEO	Monthly Proactive Remote Monitoring for exacqVision video devices (per VMS)

Remote System Monitoring & Diagnostic Services

PRODUCT CODES	SERVICE
SM-REP-S	Monthly Reporting Access (per store: alerts, threshold settings, dashboards, notifications)
SM-REP-API	Data Export API Service (per store, included in SM-REP-S)
SM-REP-VIDEO	Video Widget Access (per store, requires SM-RDC-VIDEO)

Enabling Wireless Connectivity of EAS Devices

The Wireless Device Manager seamlessly aggregates data and provides synchronization of Sensormatic EAS devices. It aggregates, stores and securely transmits critical data – such as EAS alarm events, device healthstatuses, jammer detects and people counts – over any TCP/IP network at scheduled intervals. This data is then delivered to a variety of reporting platforms, including Sensormatic Shrink Management as a Service (SMaaS). This provides the retailer with new analytics and visbility into EAS equipment health status for a more proactive loss prevention program.

In addition, each Wireless Device Manager manages up to 64 devices (32 wireless and 32 wired) within a single retail environment. The Wireless Module connects Sensormatic EAS devices to the Wireless Device Manager. The Wireless Device Manger collects and stores data locally for up to 30 days for optimal data use. To optimize EAS performance, the Wireless Device Manger synchronizes connected EAS deactivation anddetection devices to help the retailer minimize failed deactivation at the point-of-sale, and reduce false alarms at the exit.

Retailer Values

- Connects Sensormatic EAS devices through a star network via wireless secure propriety protocols
- Provides synchronization of EAS deactivation and detection devices to reduce failed deactivation at point- of-sale (POS) and minimizes nuisance alarms at the exit for an improved shopper experience
- Enables remote device management and monitoring of connected Sensormatic EAS devices to help retailers ensure equipment is running effectively

Product Codes

- BIM1000: Wireless Device Manager
- BIX1000: Wireless Module
- BIX1000EA: Wireless module with extended antenna
- 0352-0779-01: Desktop Power Adapter

Product Compatibility

- AMS9060 Controller
- Ultra•Post Self-Contained Pedestal
- Essentials 1.8m Acrylic Pedestal
- Ultra 1.8m ABS Pedestal
- Universal Deactivation Controller
- Essentials Deactivation Controller
- SuperTag Detacher
- AM/RFID SuperTag Detacher
- Sensormatic Shrink Management as a Service (SMaaS)
- EAS Alarm Management Touch Monitor Device

Specifications

Wireless Device Manager (BIM1000)
Length................................ 13.95cm (5.49in)
Width 11.47cm (4.51in)
Height 6.21cm (2.44in)
Weight 419g (14.78oz)

Wireless Module (BIX1000)
Length....................................5.86cm (2.3in)
Width 4.67cm (1.8in)
Height 2.49cm (0.98in)
Weight 32.66g (1.15oz)

Electrical

Power Supply
Primary input. ....5V – 24VDC input
Sync and RS485viaRJ458 pin header with LEDs for RS485

WiFi Technology
Client..................................IEEE 802.11 b/g/n
Wi-Fi Device Mgr.......................EEE802.15.4
DataDelivery ....XML, FTP

Regulatory

Radio Frequency of operation
Frequency band. ....2400-2483.5 MHz
Maximum power ....10 mW in the EU
100 mW in theNA

Environmental

Operating Temperature
0° to 50°C (32° to 122°F)

Relative Humidity
0 to 90%, non-condensing

Enclosure Rating
UL94 V-O

Declarations

EMC
47 CFR, Part 15
EN 300 328
EN 301 489-1
EN 301 489-3
EN 301 489-17
RSS 210

Safety
UL 60950-1
EN 60950-1
CSA C22.2.60950-1

CE This product is in conformity with RoHS
Directive 2011/65/EU, 2015/863/EU and REACH
regulation as defined in EC No 1907/2006 and
subsequent amendments.

A powerful tool to help drive storefront EAS compliance.

The EAS Alarm Management Touch Monitor device is a powerful tool designed to help retailers drive store-front EAS compliance. Real-time alarm activity and people count data is collected and analyzed. When anEAS alarm event occurs at the exit, authorized employees can input the reason code for the alarm using the convenient touch monitor device. In addition, customer receipt data can be entered to document the occurrence of unintended alarms or alarms caused by employee error. By capturing the reason for an alarm, the item that caused it, the point-of-sale lane, and/or cashier's name, retailers can quickly identify possible equipment issues, assess source tagging compliance, uncover training gaps, and develop opportunities to improve store operations.

Retailers can also monitor associate response times, trends in alarm occurrences, reasons for alarms, and items and SKUs that can cause the alarm event. When connected with compatible people counting hardware, retailers can better understand the number of customers who are entering and exiting through the monitored doorway. This data can be delivered to a variety of reporting platforms including the Sensormatic Shrink Management as a Service (SMaaS) cloud based platform.

Retailer Values

- Enables structured response procedures to help increase EAS effectiveness and reduce shrink
- Saves time by eliminating manual data logging, sorting, and reporting
- People counting data helps retailers increase operational efficiencies
- Offers visibility into unintended EAS alarms to improve the shopper's experience
- Helps retailers identify training gaps related to incorrect tagging, removal and deactivation activity
- Connects to Shrink Management as a Service for better management of loss prevention programs and equipment performance

Product Codes

BICM1000
Touch Monitor, Mounting Bracket & POE Pwr Supply

BICM1001
Touch Monitor, Mounting Bracket & POE Pwr Supply, US Power Cable

0352-0820-01
Touch Monitor

0352-0835-01
Mounting Bracket

BIM1000-PS
Wireless Device Manager with power supply and cable

BIMX1000-PS
- BIM1000 - Wireless Device Manager
- BIX1000 - Wireless Device Adapter
- BIM1000 Power Supply Kit

Specifications

Length................................. 26.1cm (10.28in)
Width 16.7cm (6.57in)
Depth 2.9cm (1.14in)
Weight 0.74kg (1.63lb)

Electrical
Power Supply

Primary input12V .... – 1.5A DC802.3 af
            compliant PoE, power over Ethernet

WiFi Technology

Client..................................IEEE 802.11 b/g/n
Wireless Device Mgr .... IEEE 802.15.4
Data Delivery ....XML, FTP

Monitor

10.1" HD panel
10 points multi-touch
Programming LED stripx 2
300 cd/m2maximum Luminance
1280x800 panel resolution

Viewing angle (H/V): 175/175
Built-in speaker 2W x 2

Environmental
Operating Temperature
0° to 40°C (32° to 104°F)

Relative Humidity
10 to 85%, non-condensing

Declarations
EMC
47 CFR, Part 15
EN 300 328
EN 301 489-1
EN 301 489-3
EN 301 489-17
EN 300 328 (802.11b/g/n)

Safety
UL 60950-1
EN 60950-1
CSA C22.2.60950-1
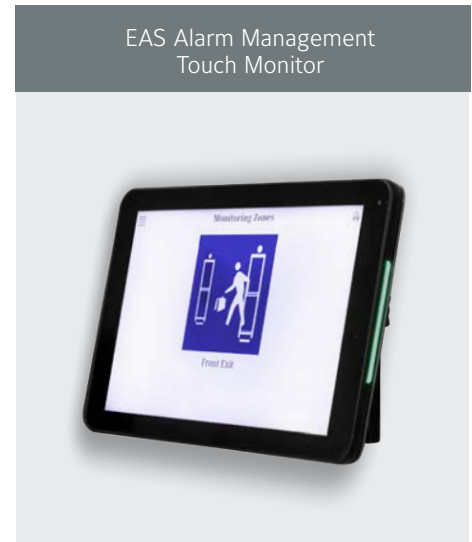
EAS Alarm Management
Touch Monitor

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.

Accessories

Ultra·Exit Pedestal

The Integrated EAS Traffic Counter integrates into the lens of compatible EAS pedestals to provide accurate customer traffic information. This sensor's dual beam-break detects shopper presence by tracking interruptions in horizontal infrared beams between pedestals; keeping separate counts for inbound and outbound shoppers. Armed with this valuable data,investments can be directed outside to boost traffic or inside to maximize conversion and average sales. The information provided by the traffic counter gives unparalleled visibility into business intelligence that can be used to streamline processes and improve profitability, such as optimizing critical shopper-to-associate staffing ratios and measuring the impact promotions have on traffic and conversion. This device does not replace or interfere with existing EAS detection systems and is not affected by common environmental interference like shadows or moving masses of warm or cold air near entrances.

Retailer Values

· Provides data comparing people counting information to sales transaction data to determine conversion rates and effectiveness of marketing campaigns
· Helps optimize staffing based on customer traffic
· Provides visibility to directionality of potential shoplifting events
· Helps to deliver accurate alarm management

Product Code

ZPUE-PCNTR2
People Counting Sensor
ZPUE-PC2-PCBKIT
Ultra•Exit Hardware Kit
ZPUP-PC2-CBLKIT
Ultra•Post Hardware Kit

Product Compatibility

· Ultra•Exit Pedestals
· Ultra•Post Pedestals
· Wireless Device Manager
· Wireless Module
· Shrink Management as a Service (SMaaS)
· Digital Remote Alarm
· Metal-Foil Detection

Declarations

EMC

· 47 CFR, Part 15
· EN 55022
· EN 55024 ICES-0033

Safety

· UL 60950-1 (second edition)
· CSA C22.2.60950-1
· EN 60950-1

Certified as part of the Ultra•Exit

and Ultra•Post antenna series

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.

The Digital Remote Alarm facilitates response to alarm events at the store front, extending the benefits of Sensormatic's Enhanced Detection suite. This aesthetically pleasing, feature-rich device enhances existing Ultra•Exit or Ultra•Post detection systems by allowing retailers to customize alerts for alarm events.

The remote alarm can be used to extend the detection system's internal audible alarm by playing a tone or standard voice message. It also features the option to record personalized messages so retailers can inform customers and/or staff on how to respond to EAS alarms and avoid customer embarrassment.

The easy-to-see visual alarm counter logs the number of alarm events, identifying increases or decreases that may indicate staff training issues or increased shoplifting activity. Unique alarm patterns are available to differentiate events including "Tags-too-Close" and Jammer Detection.

The simple-to-use, optional remote control adjusts the Digital Remote Alarm's functions from a distance while remaining as discreet as possible. The remote is passcode-protected and will disable in two minutes if no key ispressed.

The Digital Remote Alarm provides easy management of in-store EAS programs when connected to compatible data management device.

Retailer Values

- The high-volume audible alarm makes it easier for store personnel to hear over ambient noise
- Traffic-counting option helps identify shopping peaks, gauge marketing effectiveness and more
- Unique alarm sequence for the "Tags-too-Close" feature aids in merchandising products near store entrance/exits
- Jammer Device indicator includes visual and audible feedback for quicker response and more effective event management
- Remote alarm housing can be custom painted to fit any store decor
- The alarm displays counts from 0–999 and features a larger LED display for better visibility in low-light conditions

Product Code

ZPALARM-GAC
Digital Remote Alarm, Gray w/power supply and install kit

ZPALARM-WAC
Digital Remote Alarm, White w/power supply and install kit

ZPALARM-GMUAC
Digital Remote Alarm Voice Message Unit, Gray w/power supply and install kit

ZPALARM-WMUAC
Digital Remote Alarm Voice Message Unit, White w/ power supply and install kit

ZP1060-BRKT
J-Box Mounting Bracket (attaches digital remote alarm to a J-Box mounted in or on a wall)

ZP1060-RCTF
Infrared Remote Control (allows user to control remote alarm from a distance)

Product Compatibility

- AMS9060 Controller
- AMS9050 Controller
- Wireless Device Manager
- Wireless Module
- Shrink Management as a Service (SMaaS)
- Integrated Traffic Counting
- Tags-too-Close
- Jammer Detection Metal-Foil Detection

Specifications

Length..202mm (8in)
Width 148mm (5.8in)
Height 52.7mm (2in)

Weight

Digital Remote Alarm........... 0.64kg (1.40lbs)
J-Box Mounting Bracket.........0.09kg (0.2lbs)
AC Adapter...........................0.03kg (0.06lbs)
Infrared Remote Control 0.07kg (0.15lbs)

Electrical

DC Input....................................12-15Vdc, 1A
Limited power source required
Contact SwitchingCurrent (max) 1.0A
Contact Switching Voltage (max)............28V

AC Adapter

AC Input .... 100-250Vac @5 0/60Hz
DC Output.................................12V, 1A min.

UL Listed Class 2
Certified Limited Power Source

Alarm

Visual Alarm

Tag Detect Alarm Rep Rate 3Hz
Jammer Detect Alarm Rep Rate..............6Hz
Tags-too-Close Alarm Pattern: . 2 Blinks/Pause

Audible Alarm

Maximum Alarm Volume
(measured at 1m)................................ 105dB
Tone Alarm Duration (max) .... 15 sec
Voice Message Duration (max)............ 17 sec
Voice Message File Type ....WAV
Voice Message Sampling Rate 14kHz
Voice Message Bits ....8 or 16
Voice Message Type........................... ....Mono

Environmental Constraints

Operating Temperature

0°C to 50°C (32°F to 122°F)

Non-Operating Temperature

-40°C to 70°C (-40°F to 158°F)

Relative Humidity

0 to 90% non-condensing

Enclosure

IPX0

Evaluated for altitudes
less than 3200m (10500ft)

Declarations

EMC

- 47 CFR, Part 15
- ICES-003
- EN61000-6-1
- EN61000-6-3
- EN61000-3-2
- EN61000-3-3

Safety (second edition)

- UL60950-1
- CSA-C22.2.60950-1
- EN60950-1

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.

Customizable display inserts.

Frame Format

The optional Advertising Upgrade Kit is designed to display poster inserts on compatible Sensormatic pedestals. By leveraging valuable real estate at the store entrance for advertisements, modern designs or simple low-cost printed graphics, this easy-to-installkit offers a flexible medium to reach a great number of potential customers on-the- move. It can also be used to generate additional marketing co-op profit by bidding out this valuable advertising space to vendors.

Retailer Values
- Reach a large number of shoppers on-the-move where most purchasing decisions are made
- Generate additional marketing co-op profit by bidding out advertising space to vendors
- Change out poster inserts easily with slide-release clamps

Product Code
Note: One kit supports one antenna
Sensormatic Synergy Series Pedestals Frame Format
(This format not available for Synergy RFID Retrofit Panel)

ZPS-ADV1175/1180-CG (Cool Gray)Advertising Kit for Synergy 2.0 and 2.5 ABS Pedestals

ZPS-ADV1175/1180-CH (Charcoal) Advertising Kit for Synergy 2.0 and 2.5 ABS Pedestals
ZPS-ADV1170-CG (Cool Gray) Advertising Kit for Synergy Self-Contained Pedestal
Z**PS-ADV1170-CH** (Charcoal) Advertising Kit for Synergy Self-Contained Pedestal
Clear Clamp Format
ZPS-AD1180-CL
Advertising Kit for Sensormatic Synergy 2.0 and 2.5 ABS Pedestals
ZPS-AD1170-CL
Advertising Kit for Sensormatic Synergy Self-Contained Pedestal
ZPS-ADRFID-CL
Advertising Kit for Sensormatic Synergy RFID Retrofit Panel
Ultra®Post Pedestal
 ZPUP-PSTPANEL
Advertising Kit for Ultra•Post Pedestals

Product Compatibility
- Sensormatic Synergy 2.0 ABS Pedestal
- Sensormatic Synergy 2.5 ABS Pedestal
- Sensormatic Synergy Self-Contained Pedestal
- Sensormatic Synergy RFID Retrofit Panel (compatible with Clear Clamp Format only)
- Ultra•Post Self-Contained Pedestal

Specifications
Frame Format
Frame format includes: frame, back plate, front plate and viewable graphic

ZPS-ADV1175/1180-CG and
ZPS-ADV1175/1180-CH
Weight 4.61kg (10.16lb)

ZPS-ADV1170-CG/1170-CH
Weight 3.02kg (6.66lb)

Clear Clamp Format
ZPS-AD1180-CL
Weight 0.82kg (1.8lb)
ZPS-AD1170-CL
Weight 0.41kg (0.9lb)
ZPS-ADRFID-CL
Weight 1.04kg (2.3lb)
UltralPost Pedestal
ZPUP-PSTPANEL
Weight. 2.60kg (5.75lb)

Consumer Awareness
Although this anti-theft system complies with all applicable safety standards, poster inserts must be designed to avoid creating any delay in the movement of customers through the system. Medical implant wearers are instructed by their physicians not to linger near, or lean on,anti-theft pedestals. Graphic inserts should not encourage them to linger or lean.

This enclosure is designed to protect the required electronic components for compatible AM EAS detection systems in virtually any outdoor retail environment. Welded hardware creates a weather-tight aluminum housing that holds a thermostat control to manage internal temperatures. The thermostat prevents condensation from forming oninstalled equipment and ensures evenly-distributed interior air temperature.

Retailer Values
· Weather-tight construction allows EAS detection in any retail outdoor environment
· Thermostat control manages internal temperatures to prevent condensation that can damage the system's electronic components

ProductCode
ZPUODPP-ENC

Product Compatibility
· AMS9040 Controller
· AMS9050 Controller
· AMS9060 Controller

Specifications
Width 61cm (24in)
Height 168cm (66in)
Depth 33cm (13in)
Weight 33.5kg (74lb)

Electrical
DC Input
Primary Input 120Vac, 50/60Hz
or 230Vac,50/60Hz
Input Current ....15 Amax.

Environmental Constraints
Operating Temperature
-30°C to 50°C (-22°F to 122°F)

Relative Humidity
0 to 100% condensing

Declarations
Regulatory ID
UMHB2A .... Outdoor Enclosure

Regulatory Compliance
Safety
UL1950 Can/CSAC22.2 No. 950-95
NEMA3R/IP43
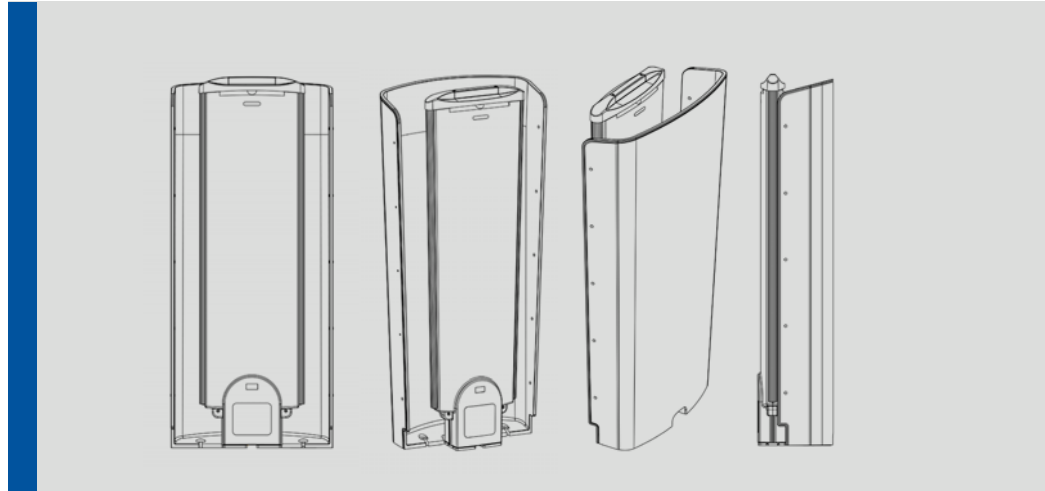
The Ultra•Post Shield minimizes the detection field behind the Sensormatic Ultra•Post pedestal. The shield isinstalled behind the primary or secondary pedestal to allow store associates to better manage merchandising of tagged goods at the front of thestore.

Retailer Values
- Reduces detection field behind the Ultra•Post pedestal
- Enables store associates to better manage merchandising of tagged goods at the front of the store

Product Code
ZPUPSHLD

Product Compatibility
Ultra•Post Self-Contained Pedestal

Specifications
Width Base 61cm (24in)
Height 142cm (56in)
DepthBase 21cm (8.5in)
Weight 24.9kg (55lb)

The Deactivation Remote Alarm Module provides visual and audible notifications when an AM EAS label is successfully deactivated. This device can bemounted almost anywhere on the check stand and features a key switch forturning the compatible deactivator on or off. The ZPSTP-RA1 model provides "on" or "standby" status only, while the ZPSTP- RA model provides audio and visual detection, deactivation and status.

Retailer Values
- Provides visual and/or audible notification of successful AM EAS label deactivation
- Features a key switch for turning the compatible deactivator on or off

Product Code
ZPSTP-RA1
Remote Alarm Kit (4-pin connector)

ZPSTP-RA
Remote Alarm Kit (6-pin connector)

Product Compatibility
- Integrated Deactivators
- Value Pad
- Universal Deactivation Controller
- Essentials Controller
- Low Profile Pad Deactivator
- Compact Pad Deactivator
- SlimPad Deactivator
- PowerPad Deactivator

Radio Frequency Identification (RFID)

RFID Overhead EAS System

The RFID Overhead EAS System is a discreet alternative to traditional pedestal or concealed EAS floor systems. Designed to be installed above a store exit, this RFID-enabled system provides merchandise protection while maintaining the appearance of the store entrance. It is easy to deploy, provides wide exit coverage and takes up no floor space.

To get started, store associates simply attach RFID tags to items they want to protect. Powered by Sensormatic antennas and readers, the RFID Overhead EAS system utilizes beam-steering technology to determine if merchandise is stationary or moving. Combining RFID antenna reads with sensor 3D-vision data helps confidently determine tag directionality and reduce nuisance alarms. When protected merchandise passes through the detection zone, the system will alarm to alert staff of potential shoplifting events. RFID Overhead EAS systems are available in discreet or invisible configurations that offer merchandise protection for storefronts of any exit width.

Retailer Values

- Alternative EAS Solution – Provides discreet and scalable anti-theft protection for non-pedestal based applications
- Wide Exit Coverage – Protects a variety of store entrances, can be cascaded from a single door to any width exit
- Modular System – Addresses all store exit variations including options for ceiling mounting, suspended mounting and hidden behind ceilings
- Modern Design – Compliments store appearances with premium acrylic covers; ideal for open ceilings, curved architecture and clean-line storefronts
- Simple Operation – Operates as a standalone or integrates with SMaaS or TrueVUE platforms for real-time shrink visibility and device health management
- Reduced Nuisance Alarms – Provides tag directionality with the beam-steerable antenna and 3D-vision technology
- RFID Entry Point – Allows customers to experience RFID while providing a migration path for inventory intelligence

Product Codes

IDOE-1000-N1
IDOE-1000-E1
Single System Covers store exit widths of 1.8m (6ft) to 3.6m (12ft), IDA-3100 antenna installed discreetly or hidden above the ceiling, IDX reader hidden above the ceiling (only)

IDOE-2000-N1
IDOE-2000-E1
Dual System Covers store exit widths 5.5m (18ft) to 7.3m (24ft), IDA-3100 antenna is installed discreetly or hidden above the ceiling, IDX reader hidden above the ceiling (only)

IDOE-1010-N1
IDOE-1010-E1
Suspended Single System with Acrylic Covers (black) Covers store exit widths of 1.8m (6ft) to 3.6m (12ft), acrylic covers discreetly mounted to the ceiling or suspended with RF extension cables

IDOE-2010-N1
IDOE-2010-E1
Suspended Dual System with Acrylic Covers (black) Covers store exit widths of 5.5m (18ft) to 7.3m (24ft), acrylic covers discreetly mounted to the ceiling or suspended with RF extension cables

Alternative Acrylic Cover

0352-0735-02
White Acrylic Cover Assembly Kit

Included with each system:
· IDX-2000 RFID Reader
· RFID Antenna
· Digital Remote Alarm
· Xovis PC-2 Traffic Sensor
· PoE Injectors and Cables
· Product Compatibility
· All Sensormatic AM/RFID Hard Tags
· TrueVUE Software Platform
· Sensormatic AM/RFID SuperTag Detacher

Specifications

Thickness....................... 4.45cm (1.75in)
Length..........................38.73cm (15.25in)
Width.............................. 41.9cm (16.5in)

Environmental Constraints

Temperature Range
Operating -20°C to 50°C (-4°F to 122°F)
Storage -20°C to 85°C (-4°F to 185°F)

Humidity
5% to 95%, non-condensing

Special Rating
Plenum-rated, complies with UL-2043

Environmental Rating
IPXO

Power
110 VAC – 240VAC for PoE injector
Power over Ethernet (PoE) IEEE 802.3at to the RFID reader

RFID Performance

Frequency Bands (Reader & Antennas)
FCC band (NA).........................902-928 MHz
ETSI band (EU) ....865-868 MHz

Antenna Gain 3.3-6dBiL
(antenna dependent)
RFID Transmit Power: +10.0 to +30.0 dBm

Connectivity

Network & Switch Connectivity
All manufactured network switches
1 x 10/100 base-T Ethernet
switch inreader
DHCP or static IP configurations

Regulatory

North America
· EMC 47 CFR, Part 15
· ICES-003
· RSS-210
· UL 60950-1
· CSA-C22.2.60950-1

Europe
· EN 302 208
· EN 301 489
· EN 60950-1
Refer to IDX-2000/8000 Quick Start Guide at Sensormatic.com for current list of approved countries.

Note: Additional details specific to the hardware is available in the Sensormatic Product Catalog.

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.

All components listed can be ordered individually as needed.

RFID Overhead Unit
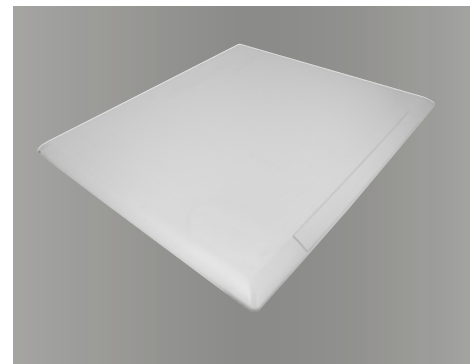
IDX-2000 RFID Reader

The Sensormatic IDX-4000 Multipurpose RFID Reader builds on our first generation IDX reader platform. It is an essential piece of our Inventory Intelligence and Loss Prevention solutions. This device provides data to the TrueVUE platform to give retailers real-time visibility into RAIN RFID tagged products.With this data, retailers can more effectively manage merchandise availability, improve operations, reduce shrink, and create a memorable shopping experience.

The four-port reader offers enterprise-class performance and dependability when reading and writing RFID tags. By doubling the reader's processing speed and increasing RAM memory capacity, retailers can leverage solution data for better operational insights.[1] Dense reader mode ensures high read rates, while advanced noise cancellation delivers reliable data capture that's been proven in retail deployments worldwide. The newly enhanced software,compliant to LLRP 1.1 protocol, transforms this device into an industry-leading solution with advanced state-of-the-art features.

The IDX- 4000 is the next-generation network connected reader with enterprise device monitoring and management capabilities. It features Internet-of-Things (IoT) connectivity to enable hardware infrastructure and advance existing TrueVUE and cloud solutions.

Synergy AM + RFID Pedestals

This system uses the reader to enable storefront visibility, the ability to know what went missing and when, along with insights into item-level merchandise, alarm events and traffic data when combined with TrueVUE reporting analytics.

RFID Overhead EAS System

This RFID-enabled system provides merchandise protection without affecting the appearance of the store entrance. It is easy to deploy, provides wide exit coverage and is installed above the exit, taking up no floor space.

At the Point of Sale (POS) and Self Check Out

Readers help simplify and expedite the checkout process by integrating into already existing POS systems and self checkouts. The IDA-1000 Work Surface Antenna or Sensormatic IDKM AM/RFID detacher can simultaneously provide item-level transaction visibility.

Sales Floor and Stockroom

When paired with antennas, readers provide insights into receiving, transferring or returning tagged merchandise and help more efficiently transition items between store zones.

Fitting Room 360° – This solution uses a reader to gain real-time data from the highest conversion zone in the store to drive merchandising decisions, a better shopping experience and influence sales at the store level across the enterprise.

Retailer Values

- World-class technology proven in thousands of installations globally
- Next-generation reader provides consistent inventory accuracy and item-level data with enterprise-class quality and reliability
- Advanced architecture, with improved processing and memory, help maximize solution performance
- Industry-leading technology is designed for IoT interoperability, cloud computing data and insightful analytics
- Maintain simplicity of power input by using Power over Ethernet (PoE)

Product Codes

IDX-4000-N1
North America 902 - 928 MHz, FCC
UL 62368-1

IDX-4000-E1
Europe 862 - 865 MHz, ETSI
EN 62368-1

IDX-4000-W1
Sub-band of 902 - 928 MHz for China, Korea, Japan and others[2]

IDX-4000-W2
Sub-band of 902 - 928 MHz for Australia,
Singapore, Hong Kong, Taiwan, Brazil and others[2]

[1]When compared to the IDX-2000/8000

[2]Refer to IDX- 4000 Quick Start

Guide at Sensormatic.com for current list of approved countries.

Product Compatibility

- Sensormatic IDA-1000
- RFID Work Surface Antenna
- Sensormatic IDA-3100
- Beam Steerable RFID Antenna (except Korea)
- Sensormatic IDKM-1000/1010
- RFID SuperTag detacher
- EPC Gen2 Std. RFID Antennas and Tags

Specifications

Length 18.4cm (7.25in)
Width 19.0cm (7.5in)
Height 2.5cm (1.0in)
Weight 544g (1.2lb)

Mounting

2 reversible brackets included

Electrical

Powering Options
Power over Ethernet (PoE) IEEE 802.3at (30 Watts)
(802.3af (15 Watts) limits power to 30 dBm)
24 Vdc, 1.7A external power supply (included)

Power Consumption
24 W max

Air Interface Protocol
EPCglobal UHF Class 1 Gen 2
ISO 18000-6C

Transmit Power
+10.0 to +32.0 dBm
Lower regulatory limits apply 31-32 dBm for use RF extension cables only

Receive Sensitivity
-80.0 dBm

IP Configuration
DHCP or Static IP configuration

Device Management Options
Embedded web GUI, TrueVUE or MQTT, USB storage device

Multi-Mode LED Indicators
Power, Status, Tag Reading and RF activity

Connectivity
4 monostatic RP-SMA ports
1 USB Device (Type B) port
1 USB Device (Type A) port
2 RS-485 ports (RJ45)
GPIO port - 4 inputs, 4 outputs (DE15)
1 x 10/100base-T Ethernet Port
1 x 10/100base-T Ethernet Switch Port

Environmental Constraints

Temperature Range
Operating -20°C to +50°C (-4°F to +122°F)
Storage -20°C to +85°C (-4°F to +185°F)

Humidity
5% to 95%, non-condensing

Rating
Plenum rated, UL listed and complies with UL 2043

Regulatory

North America (-N1)
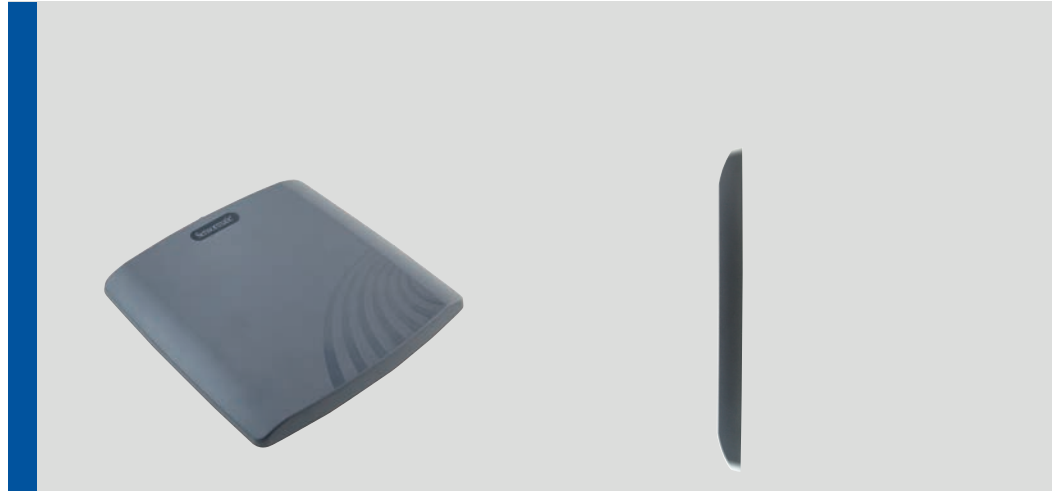EMC 47 CFR, Part 15, ICES-003, RSS-210
UL 60950-1, CSA-C22.2.60950-1

Europe (-E1)
EN 302 208, EN 301 489, EN 60950-1
Other (-W1 or -W2)[2]

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.

The RFID Work Surface Antenna is a key element of the TrueVUETM Inventory Intelligence solution suite. With a compact, low-profile design and focused read range, this antenna adds cost-effective RFID read points to point-of-sale (POS) cash wraps, kiosks and stockrooms. With additional RFID read points, retailers can improve labor efficiency and enhance customer convenience, while providing the precise inventory accuracy needed to succeed in omni-channel retailing.

Compatible with EPC Gen2 standard RFID tags, the IDA-1000 antenna reads accurately across a wide variety of product types including apparel, footwear, books, electronics and more. At the POS - the antenna provides near real-time visibility into what products are selling – dramatically improving restocking efforts and on-floor availability. Checkout is expedited by instantaneously reading information on merchandise placed on or near the antenna, instead of scanning barcodes by hand, to efficiently reduce costs and increase customer satisfaction.

In the stockroom - the antenna supports numerous RFID workflow tasks including receiving small shipments of merchandise, transferring items to another location and writing new RFID tags with precision. At kiosks - the antenna provides more accurate product lookups and enables self-checkout to provide improved customer service.

Retailer Values

- Aesthetic design and small form factor allow use in multiple areas throughout the store
- Ideal for use at the POS, kiosks and stock rooms with RFID tag reading distances from several inches to over two feet
- Expedites checkout to decrease costs while improving customer satisfaction
- Multiple installation options for a variety of environments: under counter, above counter or mounted on a wall
- Uniquely identifiable when used with IDX-family RFID reader, allowing remote management and easy diagnosis and troubleshooting

Product Codes
IDA-1000-US-RS
- Desktop Antenna (North America), RP-SMA

IDA-1000-EU-RS
- Desktop Antenna (European), RP-SMA

Product Compatibility
- Sensormatic IDX-2000 2-port
- Multipurpose RFID Reader
- Sensormatic IDX-8000 8-port
- Multipurpose RFID Reader
- TrueVUETM Software
- EPC Gen2 standard RFID Tag

Specifications

Length......................................21.6cm (8.5in)
Width 21.6cm (8.5in)
Depth 1.5cm (0.6in)

Cable

Length.......................................2.43m (8.0ft)
Connector .... RP-SMA
   (RP-SMA to TNC cable adapter included)

Mounting Weight 0.4kg (0.9lb)
Mounting................................2 slotted holes
Housing..............................High-impact ABS
LED Indicators.........................1 red, 1 green

Controlled by software when connected to

IDX RFID Multipurpose Reader

Frequency Bands

US 902 – 928 MHz (FCC Band)
IDA-1000-US-RS
EU 865 – 868 MHz (ETSI Band)
IDA-1000-EU-RS

Gain...3.3 dBiL
Beam Pattern .... 3dB width <60°
           (horizontal and vertical)

Polarization RHCP

Max VSWR (free space).........................<2.0
Impedance (nominal) .... 50 Ohm
Max Conducted Input Power. 2W*
*Maximum legal input power determined by
in-country regulatory requirements

DC Resistance .... 10K Ohm

Environmental Constraints

Operating Temperature
0°C to +50°C (+32°F to +122°F)
Storage Temperature
0°C to +70°C (+32°F to +158°F)

Regulatory Compliance

Safety
- UL 60950-1
- CSA-C22.2.60950-1
- EN 60950-11

$C\epsilon$ This product is in conformity with RoHS
Directive 2011/65/EU, 2015/863/EU and REACH
regulation as defined in EC No 1907/2006 and
subsequent amendments.
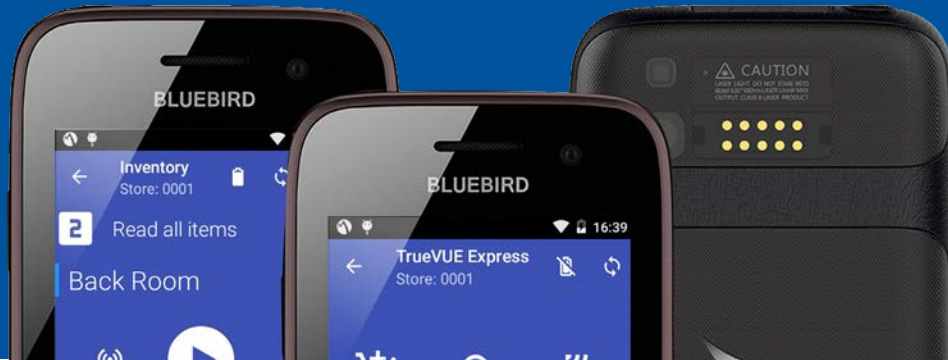
Product Description

Bluebird Touch Mobile Computer integrates with TrueVUE Inventory Intelligence software to provide real-time visibility to help improve operations, optimize sales and enhance the shopper experience. When the mobile computer, equipped with the TrueVUE app, is connected to a RFID handheld reader, retailers can count tagged merchandise, search stock and write new tags with ease.

This device is made for maximum portability with a lightweight, comfortable design for single-handed operation. The multi-touch display can be operated with fingertips or gloves, even when wet, and features sun glare protection and an anti-fingerprint coating.

Designed with proprietary TankSmith™ technology, our Bluebird touch mobile computer offers industrial-grade reliability for retail environments.

The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG,Inc. and any use of such marks by Bluebird Inc. is under license Bluebird logo is registered trademark of Bluebird Inc. Features and specifications are subject to change without prior notice

Retailer Values

- Helps drive increased revenue, employee productivity and customer satisfaction using TrueVUE software
- Features a comfortable and lightweight design for maximum portability for prolonged use
- Resists water, dust and dirt with industrial-grade durability, with up to 2.4m (8ft) drop resistance and IP67 rating
- Supports Android 5.1 Lollipop and 6.0 Marshmallow

- Helps prevent scratches and chips with multi-touch display encased with Corning® Gorilla® Glass
- Extends battery life with power-saving technology
- Delivers secure indoor and outdoor mobile network connectivity
- Maximizes employee productivity with fast scanning technology

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.

Product Codes

Hardware	Description
IDHM-EF400-ANLT IDHM-EF500-ANLT IDHM-EF500R-ANLT	Android 6.0 Marshmallow,(WiFi Only), 802.11 a/b/g/n, AGPS, 13MP Rear Camera, 1.3MP Front Camera, 2GB/16GB, BT4.0LE, Contactless Card Reader, 1D/2D Imager, Standard Battery (3,010mAh)
IDHM-EF500-LQ IDHM-EF500R-LQ	Android 6.0 Marshmallow, LTE, 802.11 a/b/g/n/d/h/i, AGPS, 13MP Camera, 2.0MP Front Camera, 5" HD LCD, 2GB/16GB, BT 4.0 LE, Contactless Card Reader, 1D/2D imager(LED Aimer), 2 SIM, 1 SAM, 12-pin connector, Standard Battery (3200mAh)
IDHM-EF400-A4LQW	Android 6.0 Marshmallow, LTE (NA), 802.11 a/b/g/n, AGPS, Rear 13MP Camera with Flash, Front 2.0MP Camera,2GB/16GB, BT 4.0 LE, Contactless Card Reader, 1D/2D Imager(For EU/Mid East/Africa/South America/Asia)
IDHM-EF400-A4LQN	Android 6.0 Marshmallow, LTE (RoW), 802.11 a/b/g/n, AGPS, Rear 13MP Camera with Flash, Front 2.0MP Camera, 2GB/16GB, BT 4.0 LE, Contactless Card Reader, 1D/2D Imager (North America)

Industrial Class Features	EF500R	EF500	EF400
Multi OS support	Android 5.1 & 6.1	Android 5.1 & 6.1	Android 5.1 & 6.1
TankSmith™ ruggedness	8ft (2.4m) drop resistant	5ft (1.5m) drop resistant	6ft (1.8m) drop resistant
Large display, equipped for industrial purposes	HD (1280 x 720) 5" Gorilla Glass 3 Wet touch	HD (1280 x 720) 5" Gorilla Glass 3 Wet touch	WVGA (800 x 480) 4" Gorilla Glass 3 Wet touch
IP Code (Intenational Protection Marking)	67	67	67
User-Focused Features			
Extended battery, longer battery cycle	Standard/extended Hot swappable	Standard/extended Hot swappable	Standard/extended
Lighting fast data capture	1D/2D imager	1D/2D imager	1D/2D imager
Optimized camera for industrial demands	Front/rear with LED flash	Front/rear with LED flash	Front/rear with LED flash
Specifications			
Dimensions	155.6 x 77.95 x 16.5mm 6.1 x 3.1 x .65in	155.6 x 77.5 x16.5mm 6.1 x 3.0 x .65in	136.3 x 68 x 15.9mm 5.4 x 2.7 x .63in
Camera	13 MP Autofocus with flash (rear), 1.3 MP Fixed focus (front) Fingerprint Scanner: Capacitive / Optical NFC	13 MP Autofocus with flash (rear), 1.3 MP Fixed focus (front) Fingerprint Scanner: Capacitive / Optical NFC	13 MP Autofocus with flash (rear), 1.3 MP Fixed focus (front) NFC
Weight (Battery Included)	353g (12.5oz)	260 g (9.2oz)	200 g (7oz)
Battery	3.8V, 6,400 mAh	3.8V, 3,200 mAh	3.8V, 3,010 mAh
CPU	1.2 GHz	1.2 GHz	1.2 GHz Quad Core
Memory	2GB RAM/16GB Flash Expandable with Micro SD card 2 Micro SIM/1SAM card slots (from 2 to 5SAM card slot	2GB RAM/16GB Flash Expandable with Micro SD card 2 Micro SIM/1SAM card slots/1SIM	2GB RAM/16GB Flash Expandable with Micro SD card
Communication(*)	WPAN: Bluetooth 4.0 LE WLAN: 802.11a/b/g/n/d/h/i WWAN: (when optioned)LTE, UMTS/HSPA/HSPA/HSPA+,GSM/GPRS/EDGE Satellite: A-GPS, GLONASS, BeiDou	WPAN: Bluetooth 4.0 LE WLAN: 802.11a/b/g/n/d/h/i WWAN: (when optioned)LTE, UMTS/HSPA/HSPA/HSPA+,GSM/GPRS/EDGE Satellite: A-GPS, GLONASS, BeiDou	WPAN: Bluetooth 4.0 LE, WLAN: 802.11a/b/g/n/d/h/i WWAN: (when optioned) LTE, UMTS/HSPA/HSPA/HSPA+,GSM/GPRS/EDGE Satellite: A-GPS, GLONASS, BeiDou
Product Accessories	EF500R	EF500R	EF400
IDHX-25000	Series 4 Slot Cradle Adapter (9V/10A)	Series 4 Slot Cradle Adapter (9V/10A)	Series 4 Slot Cradle Adapter (9V/10A)
IDHX-602010001	Universal 1 Slot Cradle AC Power Adapter	Universal 1 Slot Cradle AC Power Adapter	Universal 1 Slot Cradle AC Power Adapter
IDHX-14514	US AC Power Cord	US AC Power Cord	US AC Power Cord
IDHX-605010008	EF500R 1 Slot Cradle (Charges 1 EF500R + 1 Extra Battery)		
IDHX-605020012	Slot Cradle (Charges 4 EF500R + 4 Extra Battery)		
IDHX-24543		4 Slot Cradle (Charges 4 EF500 + 4 Extra Battery)	
IDHX-24545		EF500 1 Slot Cradle (Charges 1 EF500 + 1 Extra Battery)	
IDHX-605020001			4 Slot Cradle (Charges 4 EF400 + 4 Extra Battery)
IDHX-605010005			EF400 1 Slot Cradle (Charges 1 EF400 + 1 Extra Battery)

CE This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.

The RFD8500 RFID sled reader from Zebra Technologies is designed to easily add high-performance RFID tag reading and writing with barcode scanning to iOS™ and Android™ mobile devices. The ightweight, ergonomic reader offers full-shift battery life, making it ideal for inventory management, product location and replenishment tasks.

Designed to read and write EPC Class 1 Gen 2 UHF RFID tags, it communicates with mobile devices using Bluetooth® wireless technology and is available with an optional 1D/2D barcode imager. The RFD8500 has a comprehensive line of accessories including custom mounts for popular mobile devices, spare batteries and a 3-slot cradle charger to support high volume retail operations.

When paired with approved iOS™ or Android™ mobile devices, the RFD8500 reader can use Tyco's TrueVUE® Inventory Intelligence software to cycle count inventory at very high speed and with increased accuracy compared with traditional barcode-based counting. This combination of software, mobile device and the RFD8500 enables retailers to increase inventory accuracy, the foundation for profitable omni-channel

order fulfillment. Product locator uses Geiger counter mode with audible feedback to efficiently find a specific product in the store. Merchandise being received or transferred can be quickly counted and processed to update inventory records. RFID labels can be read and written as needed to replace lost or missing tags.

Retailer Values
· Protects investment in approved iOS™ or Android™ mobile devices deployed for other retail tasks
· Reduces training requirements with familiar mobile device interface
· Delivers high-capacity battery and unique power-optimizing algorithm
· Features fast tag capture and extended read range compared to similar devices
· Enables upgrades to support new standards, devices and features with unique software-defined reader

Product Codes
8500-HHC-NA
· Bluetooth UHF RFID Reader Sled (FCC)

8500-HHC-2D-NA
· Bluetooth UHF RFID Reader Sled (FCC) with 1D/2D barcode imager

8500-HHC-EU
· Bluetooth UHF RFID Reader Sled (ETSI)

8500-HHC-2D-EU
· Bluetooth UHF RFID Reader Sled (ETSI) with 1D/2D barcode imager

Options
Mobile Device Mounts
· iPod Touch 5th, 6th generation
· iPhone 5 or newer
· Quad Lock® Battery Door, required for mounting iOS devices
· Android TC55 Mount Adapter
· Android MC40 Mount Adapter

Charging
· Spare 1.5X battery
· 8500 3 Slot Charging Cradle

Product Compatibility

· TrueVUE Software
· EPC Gen2 standard RFID Tag Sensormatic
· AM/RFID 2D Barcode Tag

Specifications

Dimensions .... 13.0 x 8.0 x 18.5cm
(5.1 x 3.1 x 7.3in)

Weight
Imager Version......................435gr (15.34oz)
Non-Imager Version 430gr (15.16oz)
Power...................Removable, Rechargeable
PowerPrecision Li-Ion
batteries, 4410 mAh

Configurations
RFID with SE4710 Imager or RFID-only for mobile devices with integrated imager

Notification
LED and audible tone

User Input
Trigger, 3 push button switch

Environmental Constraints

Operating Temperature
-10°C to 40°C (14°F to 104°F)

Charging Temperature
0°C to 40°C (32°F to 104°F)

Storage Temperature
-40°C to 70°C (-40°F to 158°F)

Humidity
5% to 85% non-condensing

Drop Specification
Multiple 1.2m (4ft) drops
to concrete (0°C to 40°C)

Tumble Specification
1000 drops (500 tumbles, 0.5m (1.6ft)
at room temperature)

Sealing
IP52

Bluetooth Wireless Technology

Bluetooth:
Bluetooth Version 2.1,
Apple iAP

Bluetooth Class:
Class 2, 10m (32.8ft) range

RFID Performance

Standards Supported
EPC Class 1 Gen 2; EPC Gen2 V2

RFID Engine
Zebra Proprietary Radio Technology

Fastest Read Rate
600+ tags/sec

Nominal Read Range
6m (20ft)

Frequency Range/RF Output
US: 902-928MHz; 4 - 34 dBm (EIRP)
EU: 865-868MHz; 4 - 34 dBm (EIRP)

Regulatory

EMI/EMC FCC Part 15 Subpart B Class B;
ICES 003 Class B;
EN 301 489-1; EN 301 489-3; EN 301 489-17;
EN 55022 Class B; EN55024; EN 55032 Class B

Electrical Safety
UL 60950-1, CAN/CSA C22.2 No. 60950-1, IEC 60950-1, EN 60950-1

RF Exposure
EU: EN 50364, EN 62479; USA: FCC Part 2 (Section 2.1091), OET Bulletin 65 Supplement C; Canada: RSS-102

RFID/Bluetooth
EU: EN 300 328, FCC Part 15 Subpart C; Canada: RSS-247

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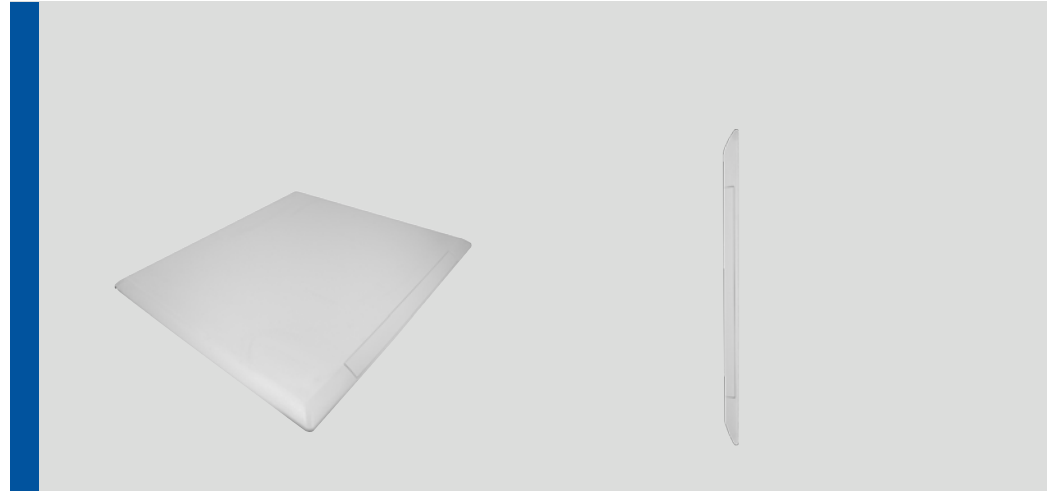
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UHF RFIDHandheld Reader
RFD-8500

UHF RFID RFD-8500
Charging Dock

Sensormatic Solutions provides retailers with real-time visibility to their inventory and assets to help improve operations, optimize profitability and create memorable shopper experiences. The Sensormatic IDA-3100 RFID antenna was designed with retail environments in mind. The low-profile form factor blends easily with store interiors and withstands harsh retail environments.

Software controlled beam steering delivers true directional read capability with a single antenna, enabling real-time capture of RFID tag movement. Beam steering customization allows the antenna to be configured to perform optimally in a range of installations; creating superior read zones on the sales floors, in fitting rooms, transition areas and stockrooms.

The antenna mounts to flat surfaces including walls and ceilings with four concealed screws. A single cable connects the antenna to a Sensormatic IDX-2000 or 8000 Multipurpose RFID reader and can be fully concealed. Beam steering enables optimal tag reading from its flat position. Compatible with standard UHF EPC Gen2 standard RFID tags, the IDA-3100 antenna reads tags accurately across a wide variety of product types including apparel, footwear, books, electronics and more.

In the fitting room
Retailers can capture actionable data in real-time to monitor item location for visibility into shrink and on-floor availability. Additionally, visibility of tags in a fitting room provides opportunities for interaction with store associates as well as advanced merchandizing and loyalty applications.

In transition areas
Beam steering technology enables visibility to the direction a tag is moving without needing multiple antennas; enabling true item location, faster receiving and transfers and improved item location accuracy with lower hardware cost.

In the stockroom
This antenna supports numerous RFID workflows, from receiving small shipments, transferring merchandise items to another location and writing new RFID tags with precision.

Overhead RFID as EAS
Offers retailers a discreet overhead solution designed to alarm on RFID tags passing through a doorway span of 3 to 24 feet.

Retailer Values
- Low-profile, retail-friendly design with discreet hidden mounting features for fitting rooms, sales floors, transition areas and stockrooms
- Beam steering technology allows true sensing of tag directional movement with a single antenna
- Software control allows beam customization for various wall or ceiling reading challenges
- Compatible with EPC Gen2 standard RFID tags
- Durable construction withstands demanding retail environments
- Automatically recognized by Sensormatic IDX Multi-purpose RFID readers for built-in compatibility and ease of operation

Product Codes

IDA-3100-NA-RS (North America)
· 902–928MHz, RP-SMA

IDA-3100-EU-RS (Europe)
· 865–868MHz, RP-SMA

Product Compatibility

· Sensormatic IDX-2000 2-port RFID Reader
· Sensormatic IDX-8000 8-port RFID Reader
· TrueVUE™ SoftwareEPC Gen2 standard RFID Tags

Specifications

Height 33.8cm (13.32in)
Width 37.2cm (14.63in)
Depth 1.9cm (0.75in)
Weight 1.2kg (2.6lbs)
Housing .... White,high-impact ABS UV Stabilized

Cable
Length 1.22m (4ft)
Connector .... RP-SMA

Mounting

4 x #8 sheet metal screws included
Snap-on screw covers

Functionality

Frequency Bands
FCC band (NA) .... 902–928 MHz
ETSI band (EU) .... 865–868 MHz

Gain .... 6 dBiL Center Beam
4 dBiL Left and Right Beams
Beam Pattern .... 30dBm width <=50°
Polarization RHCP
Max VSWR (free space) .... <2.0
Impedance (nominal) .... 50 Ohm

Max Conducted Input Power 2W*

*Maximum legal input power determined by
in-country regulatory requirements

DC Resistance .... 10K Ohm

Environmental Constraints

Operating Temperature
-20° to +50°C (-4° to 122°F)
Storage
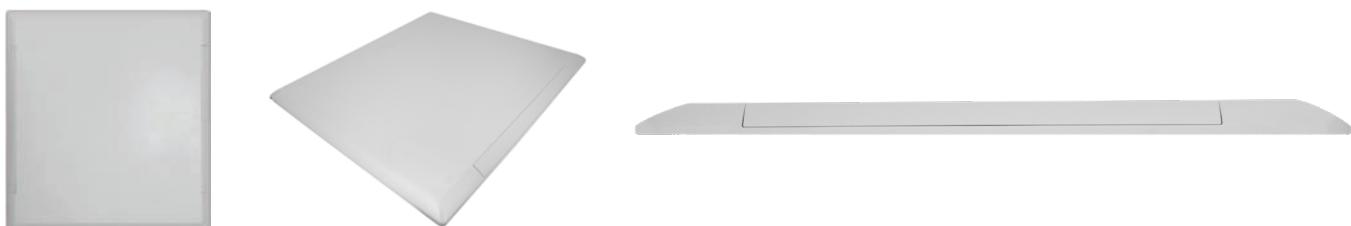-20° to +70°C (-4° to 158°F)
Environmental Rating IP54

IDA-3100 with cable

snap-on screw covers

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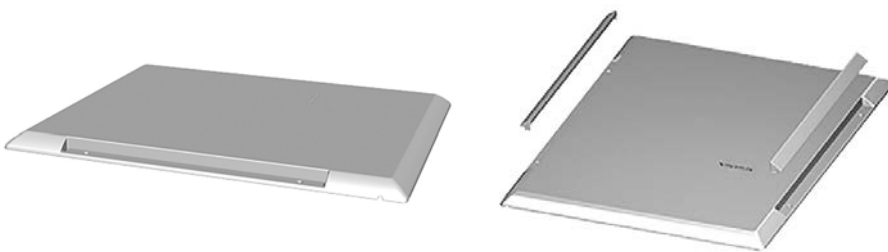
TrueVUE fitting room 360⁰

Modern retailers have access to valuable web analytics and insights into virtual shopping cart conversion and abandonment, but often lack similar insights for brick-and-mortar operations. TrueVUE Fitting Room 360° helps fill this gap with unprecedented insight into where buying decisions are being made in the store – the fitting room.

TrueVUE Fitting Room 360° integrates hardware, firmware and software to deliver maximum business value in the highest sales conversion zone in the store. Powered by our RFID antennas and readers, this solution provides retailers with real-time data to drive merchandising decisions, a better shopper experience and influence sales at the store level and across the enterprise. The system delivers enterprise-class RFID performance and dependability when reading UHF Gen 2 RFID tags.

Multiple configurations allow retailers to choose a solution tailored to their business needs. They can choose to monitor individual or a group of fitting rooms.

The "interactive customer experience," provides individual fitting room monitoring with high-touch engagement. Retailers can provide customers with a personalized experience like they've come to expect in other areas of their lives. Personalization can help increase customer satisfaction, cross-selling opportunities and profits.

Retailer Values

Sales Conversions
- Provides conversion insights by comparing the types and quantities of items read in fitting rooms to those that pass through the POS
- Helps maximize the market basket -- according to one source, average sale is 2x greater for fitting room customers and 3x greater for customers receiving assistance from a store associate*

Merchandising
- Reveals product matching insights from merchandise frequently taken to the fitting room together
- Optimizes apparel selections and displays by monitoring items that are repeatedly tried on but not purchased

Operations
- Helps reduce missed revenue opportunities by gauging "put-back" compliance – merchandise left in the fitting room and not moved back to the sales floor

Staffing
- Provides data to align staffing with peak fitting room activity by day and hour
- Helps optimize customer service by maintaining appropriate associate-to-shopper ratios

Interactive Customer Experience[1]
- Delivers personalized service and recommendations with insight into apparel selections
- Enables promotional and cross selling opportunities via in-room touchscreen monitors (iOS and Android)
- Alerts associates to high-value customers to help increase conversions

Product Codes
- IDFR-1001-N1 Group Fitting Room System, North America
- IDFR-1101-N1 Individual Fitting Room System, North America
- IDFR-1201-N1 Interactive Customer Experience System, North America*

*Requires the purchase of customer experience app

Configurations contain
- IDX-4000 RFID reader
- Fitting Room Reader Application
- IDA-3100 or 1000 RFID antenna
- PoE injectors and cables

Licenses needed
- TrueVUE Inventory Intelligence Platform Software License
- TrueVUE Fitting Room Module

Additional details specific to the above hardware are available in the Sensormatic Product Catalog.

Contact your sales professional for software license details.

Product Compatibility
- EPC Gen2 Std. RFID Antennas and Tags
- IDPS-10X0-NA Point of Sale Solution
- Traffic Counting Sensors (BIC 2300 or Xovis)
- IDKM-1000/1010 RFID Detacher

Specifications
Environmental Constraints
Temperature Range
Operating -20°C to 50°C (-4°F to 122°F)
Storage -20°C to 85°C (-4°F to 185°F)

Humidity
5% to 95%, non-condensing

Special Rating
Plenum-rated, UL – listed and complies with UL – 2043

Environmental Rating .... IPXO

Power
110 VAC – 240VAC for PoE injector (regional power cord required)
Power over Ethernet (PoE) IEEE 802.3at the RFID reader and people counter

RFID Performance
Frequency Bands (Reader & Antennas)
FCC band (NA) .... 902-928 MHz
ETSI band (EU .... 865-868 MHz
Antenna Gain .... 3.3-6dBiL (antenna dependent)
RFID Transmit
Power............................ +10.0 to +30.0 dBm

Connectivity
Network & Switch Connectivity
All manufactured network switches 1 x 10/100 base-T Ethernet switch in reader DHCP or static IP configurations

Regulatory
North America
- EMC 47 CFR, Part 15
- ICES-003
- RSS-210
- UL 60950-1
- CSA-C22.2.60950-1

Europe
- EN 302 208
- EN 301 489
- EN 60950-1

Refer to IDX-4000 Quick Start Guide at Sensormatic.com for current list of approved countries.

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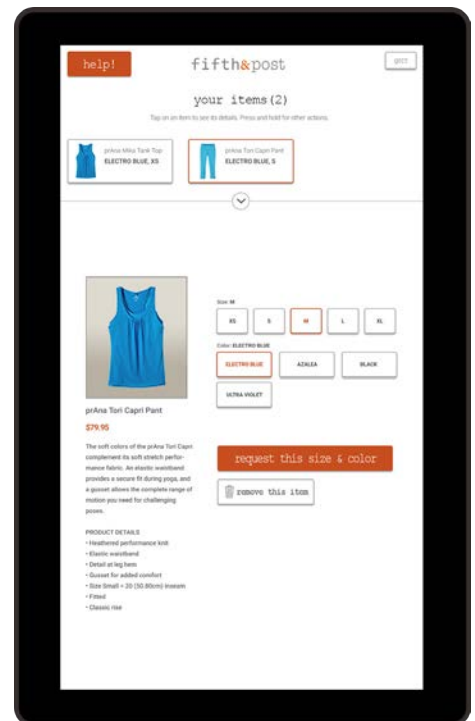
About Johnson Controls

Johnson Controls is a global diversified technology and multi-industrial leader serving a wide range of customers in more than 150 countries. Our 120,000 employees create intelligent buildings, efficient energy solutions, integrated infrastructure and next generation transportation systems that work seamlessly together to deliver on the promise of smart cities and communities. Our commitment to sustainability dates back to our roots in 1885, with the invention of the first electric room thermostat.

For more information, visit **www.johnsoncontrols.com** or follow **@johnsoncontrols** on Twitter.

About Sensormatic Solutions

Sensormatic Solutions is a global leader in enabling smart and connected shopper engagement. By combining critical insights into retail inventory, shopper traffic and loss prevention, Sensormatic Solutions powers operational excellence at scale and helps create unique shopping experiences. Our solutions deliver real-time visibility and predictive analytics for accurate decision-making across the enterprise, enabling retailers to confidently move into the future. With more than 1.5 million data collection devices in the retail marketplace, we capture 40 billion shopper visits and track and protect billions of items each year. Our retail portfolio features the premier Sensormatic, ShopperTrak and TrueVUE brands.

Please visit http://www.sensormatic.com, or follow us on LinkedIn, Twitter, and our YouTube channel.

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Sensormatic
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