



Synergy 8.6m Concealed Floor System

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 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
 Local Device Manager II (LDM II)
 UltraLink

Specifications

AMS3030-A/AL & AMS3031-A/AL

Capacitor Board Enclosure

Length47.5cm (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)

AMS3031-A/AL

Antenna Shield Tray

Height..... 2.05m (6.72ft)
 Width..... 1.27m (4.17ft)
 Depth (at coupling).....1.19cm (.469in)

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 Current20A peak

Burst Repetition Rate

Based on 50Hz ac..... 75Hz or 37.5Hz
 Based on 60Hz ac..... 90Hz or 45Hz

Receiver

Center Frequency58kHz
 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 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.

Configurations Examples

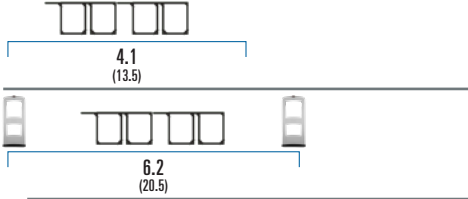
(please see Install Guide for additional options)

Measurements - meters (feet)

Single



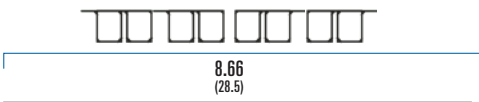
Dual



Split



Quad



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								●

