



Synergy 9.6m Concealed Floor System

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 to 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
 Local Device Manager II (LDM II)
 UltraLink

Specifications

Capacitor Board Enclosure

Length47.5cm (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 brackets4.25mm (0.167in)
 Weight 7.3kg (16.1lbs)

Power Supply (AMS9060)

Electrical

Primary Input

100-120Vac, 220-240Vac @ 50-60Hz

Primary Power Fuse

3.15A, 250V, slo-blow

Current Draw

(120V) <1.52Arms
 (240V) < 0.95Arms

Input Power

(120V) <109.0W
 (240V) <109.0W

Transmitter

Operating Frequency 58kHz (±200Hz)
 (sync pulse) 56kHz

Transmit Burst Duration..... 1.6ms

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 58kHz±200Hz

Floor Antenna (Tx/Rx) Cable .. 4-conductor,
 shielded, burial-rated

Cap Board Tx/Rx Cable 13m (40ft),
 4-conductor, shielded, plenum-rated

Cap Board 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

This product is ONLY approved for use at elevations 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
 EN 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)

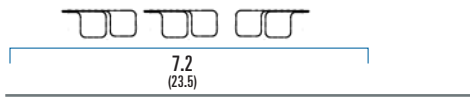
Single



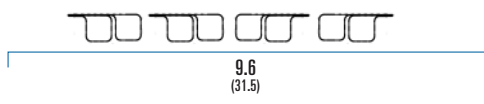
Dual



Split



Quad



Product Codes	Single 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							●

