



## AMS9040 Controller

**Powers up to eight compatible antennas and pedestals for superior wide-exit protection.**

The AMS9040 Controller powers Sensormatic’s concealed detection systems, Door-Max and Pro-Max, to provide maximum AM EAS detection performance with efficient management of power consumption. Its Digital Signal Processing (DSP) algorithms and filter technologies ensure superior performance in high-noise environments, automatically adjusting to account for changing surroundings. Dependent on the configuration, this controller supports up to eight antennas and external alarm interfaces for the integration of additional audio alarms, video connections or enhanced detection features. The latest software automatically detects the type of antenna being used. It also provides set-up options including backfield reduction and a spectrum analyzer function that applies the most accurate filters for optimal performance, while providing the “Tags-Too-Close” and Jammer Detection features.

The AMS9040 collects EAS alarm and

traffic counting data from connected compatible devices and delivers this data to connected data management devices to help better manage store operations.

### Retailer Values

- // Supports up to eight antennas and detection while providing wide exit coverage
- // Features up to eight optional independent alarm counters for superior merchandise protection
- // Independent current controls allow each antenna to be individually tuned to a specific environment
- // Alarm mapping allows retailers to set custom preferences

### Product Code

**ZE9040:** AMS9040 Controller

### Product Compatibility

- Sensormatic AM Sensors
- Pro-Max
- 9.6m Concealed Floor System
- 8.4m Concealed Floor System
- Floor-Max Concealed System
- 2.4m Concealed Floor System
- Door-Max
- Ranger Receivers
- Satellite Receivers
- Amorphous Core Receive
- Digital Remote Alarm

### Specifications

- Height** ..... 15cm (5.9in)
- Width** ..... 43.4cm (17.1in) (w/bracket)  
32.2cm (14.3in) (w/out bracket)
- Length**..... 50.8cm (20in)
- Weight** ..... 7.3kg (16.15lbs)

### Power Supply

**Primary Input**  
100-120Vac or 220-240Vac @ 50–60Hz

**Primary Power Fuse**  
5A, 250V, sloblow, hi-breaking

**Current Draw**  
4.0Arms @ 120Vac

**Input Power**  
<400W

### Electrical

#### Transmitter

- Operating Frequency ..... 58kHz (±200Hz)
- Transmit Burst Duration..... 1.6ms

#### Transmit Current

- European ..... 12A peak
- Non-European..... 16A 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%)



This controller uses Digital Signal Processing (DSP) and filter technologies to remove disruptions from electronic devices for a high detection rate in difficult store environments.

**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)

**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

**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.