



### Sensormatic Ultra•Max® AMS-3031 Concealed EAS Detection System

Sensormatic® is proud to introduce the Ultra•Max® AMS-3031 concealed detection system.

This concealed antenna preserves store aesthetics and maximizes customer flow, while utilizing superior Ultra•Max® technology.

The advanced antenna design does not utilize electronics or electronic connections in the floor, providing better system reliability.

This system is sold in 2.1m (7ft) increments and provides up to 8.5 (28ft) of detection coverage.

The source of power behind the AMS-3031 is the proven AMS-9040 controller platform, which provides the flexibility to drive up to four antennas.

### Features:

- **Greater antenna reliability.** The unique antenna design does not utilize electronics or electronic connections in the floor, reducing service requirements once installed.
- **Optional shielding tray and tiles.** Provides consistent performance by protecting against interference when metal is present in the floor.
- **Concealed EAS detection system.** Preserves store aesthetics and optimizes entrance and merchandising floor space.
- **Excellent detection coverage.** Protects exits from 2.1m-8.5m (7ft-28ft) wide with a detection height of 1.2m (4ft) shielded or unshielded.
- **Utilizes Ultra•Max® technology.** Compatible with all existing Ultra•Max® hard tag and label portfolios.

**Product Specifications**

**Electrical**

**AMS-9040 Controller**

Primary Input ..... 100-120VAC, 200-240VAC  
 50-60Hz

Primary Power Fuse.....5A slo-blow

Current Draw .....1.5A@120VAC  
 0.9A@230VAC

Input Power ..... 130W@120VAC with 2 or 4 loops  
 130W@230VAC with 2 or 4 loops

Operating Frequency ..... 50-60Hz

Transmit Burst Duration ..... 1.6ms

Transmit Current..... 8 – 16Ao-p

Burst Repetition Rate.....90Hz (1 or 2 loops)  
 45Hz (3 or 4 loops)  
 45Hz (1 loop and 2 pedestals)  
 45Hz (2 loop and 2 pedestals)

Center Frequency ..... 58kHz±200Hz

Loop cable: ..... 4-conductor,  
 shielded, burial-rated

Cap Box Tx/Rx cable: ..... 13m (40ft), 4-conductor,  
 shielded, plenum-rated

Cap Box Comm cable: ..... 13m (40ft), 9-conductor,  
 shielded, plenum-rated

**Regulatory Compliance**

EMC ..... 47 CFR, Part 15  
 EN 300 330  
 EN 301 489  
 RSS 210

Safety ..... UL 60950-1  
 CSA C22.2.60950-1  
 EN 60950-1

**Environmental**

Operating Temperature...0° to 50°C (32° to 122°F)  
 Relative Humidity:.....0 to 90% non-condensing



**Mechanical**

**Capacitor Box**

Length .....47.5cm (18.7in)  
 Width.....37.8cm (14.9in)  
 Depth ..... 8.5cm (3.3in)  
 Weight .....2.4kg (5.25 lbs)

**PVC**

Length .....36.8cm (14.5in)

**Antenna**

Length ..... 180.7cm (5ft11in)  
 Width.....94.6cm (3ft 1.2in)  
 Height..... 2.54cm (1 in)  
 Weight ..... 6.12kg (13.5 lbs)

**Consumer Awareness**

This anti-theft system complies with all applicable safety standards. However, people with implanted electronic medical devices may question whether a facility has an anti-theft system and where the system is located. Although most anti-theft systems are readily observable, some systems may be concealed. To make these people feel comfortable and to further deter theft it is recommended that facilities display "anti-theft systems in use" signs to inform people that a hidden anti-theft system is in use. Awareness materials can be ordered through your Sales Representative.