



AP950 ANTI-MASKING ADAPTIVE PASSIVE INFRARED

Model number: AP950AM



- **Patented anti-masking able to detect aerosol spray or scotch tape**
- **Alarm memory**
- **Nine true 3D curtains**
- **Four on-site selectable coverage patterns**
- **50 foot range**
- **Under-crawl protection**
- **6-10 foot mounting height**
- **Adjusts to harsh environments**

Sentrol's AP950AM adaptive passive infrared sensor is a high security sensor that provides an anti-masking feature to detect attempts at blocking its field of view. The anti-masking feature covers the entire sensor window and samples for masking every 10 milliseconds. Sentrol's patented design allows the AP950AM to have the same sleek low-profile enclosure as devices without anti-masking.

An alarm memory is built into the AP950AM to aid in isolating devices that have alarmed.

The AP950AM uses true barrier coverage patterns to maximize detection and provide "undercrawl" protection.

Utilizing 4D signal processing, the AP950AM sensor automatically adjusts its alarm threshold for use in harsh environments and provides exceptional immunity to false alarms. The 4D signal allows the sensor to analyze the size, speed and shape of the intruder, identifying the characteristic patterns of human movement. Signals that do not fit this pattern (temperature, shock, vibration etc.) are rejected.

Simple clip-on mirror masks allow selection from four coverage patterns.

AP950AM Adaptive Passive Infrared

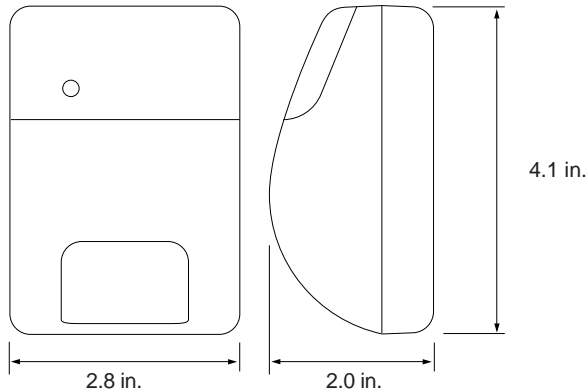
Anti-Masking Description

The anti-masking feature of the AP950AM utilizes an active infrared system to detect physical changes to the PIR case or window. The system uses an active infrared frequency transmitter (Tx) and receiver (Rx) located inside the case. The Tx and Rx utilize infrared energy reflected off the interior case and window to monitor the device for damage or masking. If the device is damaged or masked, the received signal decreases past an acceptable level and an alarm is signaled. The active infrared system is triggered when objects are detected within 6 inches of the sensor.

An electronic trouble output (ETO) is provided to alert you when the PIR detects an anti-masking condition or when the anti-masking or PIR systems fail selftest. The ETO activates an LED visible from the front cover. Unless the system is armed, the yellow LED is active when the ETO is low. The ETO output can also be used to notify you of these conditions remotely.

Specifications

Input voltage 9-15V DC
 Peak to peak ripple 2V max.
 Current consumption:
 Normal 12mA
 Alarm (LEDs on) 15mA
 Electronic trouble output 8mA max.
 Alarm output 100mA @ 28V DC
 Alarm time minimum 2.5 seconds
 Tamper output 100mA @ 28V DC
 Anti-masking analysis 1/10 seconds
 Target speed range 0.7-13 ft/sec (0.2 to 4 m/sec)
 Detection range 50' (15.2 m)
 Mounting height 6' to 10' (1.8 to 3 m)
 Number of curtains 9
 Operating temperature 0° to 131°F(-18° to +55°C)
 Relative humidity 10% to 93% non-condensing
 Dimensions:
 Width 2.8" (7.1 cm)
 Depth 2.0" (5.1 cm)
 Height 4.1" (10.3 cm)
 Weight 4.25oz
 Color white
 Listings UL, ULC



Ordering Information

Model Number	Description	Listing
AP950AM	Sentrol anti-masking PIR	UL, ULC



SENTROL

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