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## **Mirror Optic PIR**

*AP950AM: 50-ft. Antimasking High-Security Sensor*

### **Overview**

The AP950AM sensor is a high security sensor that provides an antimasking feature to detect attempts at blocking its field of view. The antimasking feature covers the entire sensor window and samples for masking every 10 milliseconds.

### **Outstanding Features**

The AP950AM sensor uses true curtain barriers. These infrared barriers provide continuous floor-to-ceiling coverage for superior detection and undercrawl protection.

In addition, the AP950AM uses patented 4D signal processing to evaluate an incoming signal size, speed, duration, and shape. If the signal matches that generated by a human signature, the detector goes into alarm. This technology automatically adapts its alarm threshold when faced with a wide variety of environmental disturbances or harsh environments. The result is fewer false alarms and better detection.

The AP950AM protects against lens blockage from common sources like petroleum jelly, aerosol spray, and tape, as well as detecting more obvious blocks like boxes.



### **Standard Features**

- **Patented antimasking feature detects attempts at blocking its field of view**
- **Antimasking sensor emits active infrared light beams across the entire window ensuring total protection**
- **Nine curtains at 50 feet each with two plastic mask inserts for improved flexibility**
- **Four on-site selectable coverage patterns**
- **Alarm memory**



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## Specifications

### Electrical

- Input voltage: 9 to 15 V (12 V nom.)
- Peak to peak ripple: 2V max. at 12 VDC
- Current consumption, normal operation: 12 mA
- Current consumption, alarm and trouble (LEDs on): 15 mA max.
- Current consumption, Electronic Trouble Output (ETO): 8 mA
- Alarm output: 100 mA at 28 V
- Alarm time: min. 2.5 sec.
- Tamper output: 100 mA at 28 V

### Environmental

- Operating temperature: 0 to 131°F (-18 to 55°C)
- Relative humidity: 93%, noncondensing

### Physical

- Weight: 4.25 oz. (120 g)
- Dimensions: 4.1 in. H x 2.8 in. D x 2.9 in. W (103 mm x 71 mm x 73 mm)

### Range

- Number of curtains: 9
- View angle: 89°
- Detection range: 50 ft. (15.2 m)

### Mounting

- Specified mounting height: min. 6.0 to max. 10.0 ft. (1.8 to 3.0 m)
- Target speed range: min. 0.7 to max. 13.0 ft./sec. (0.2 to 4.0 m/sec.)

### Regulatory

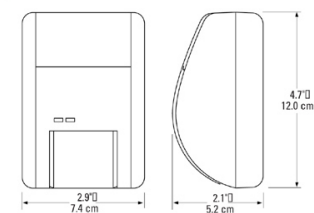
- UL, CUL

### Note

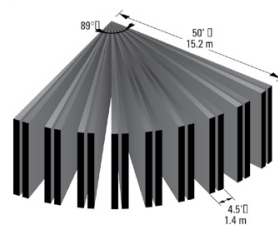
- A&E specifications are available at [www.ge-consultantlink.com](http://www.ge-consultantlink.com)

## Related Diagram

Dimensions



Lens Coverage



## Ordering Information

**AP950AM**



[www.GESecurity.com](http://www.GESecurity.com)

12345 SW Leveton Drive  
Tualatin, OR 97062 USA  
800-647-2556 (US/Canada only)  
tel 503-692-4052  
technical service 800-648-7424  
800-469-1676 (US only)  
faxback 800-483-2495

Asia  
tel 852-2907-8108  
fax 852-2142-5063

Australia  
tel +61-3-9676-0270  
fax +61-3-9646-7005

Europe  
tel +44-113-238-1668  
fax +44-113-253-8121

Latin America  
tel 305-267-4301  
fax 305-267-4300