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Mirror Optic PIR

200' Long-Range | 80' and 40' Wide-Angle
AP633A

Overview

The AP633A adaptive passive infrared detector features an advanced optical design that provides a far larger coverage area than conventional sensors. This enables installers to use just one sensor in applications where two or more sensors are normally required.

The savings in equipment, wiring and labor costs can be substantial. The step-focus design of the AP633A PIR is so precise that detection at 200 feet is as consistent as at 10 feet. Simple clip-on mirror masks allow installers to select from 12 coverage patterns.

Utilizing "4D" signal processing, the AP633A sensor analyzes size, speed and shape, identifying the characteristic patterns of human movement. False signals from environmental disturbances, such as static heat sources, air turbulence from heaters or air conditioners, visible light or rapid background temperature fluctuations, are rejected. Slow noise buildup (e.g., environmental temperature stability) is recognized and suppressed before it can destabilize the sensor. Shocks and spikes are also recognized and suppressed due to the adaptive alarm threshold.

The sophisticated processing of the AP633A makes these sensors extremely consistent in detecting fast or slow moving targets as well as operating in elevated temperatures. All coverage patterns include a full 40-foot center curtain, making it impossible for intruders to crawl or slide under the sensor without detection.



Standard Features

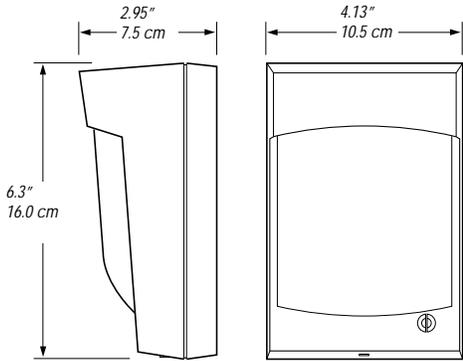
- 200' long range and 80' wide-angle combined in one sensor
- On-site selection of 12 coverage patterns
- Microprocessor controlled "4D" processing analyzes size, speed, shape and floating alarm threshold
- Adaptive Passive Infrared Technology ensures stable detection in harsh environments

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Dimensions



Specifications

Operating voltage

9.5-15VDC

Current consumption

Max ripple 2V peak to peak

Normal operation, 13mA;

In alarm, LED on 25mA

Alarm output

Form C relay rated 100mA @ 28VDC,

33ohm current-limiting resistor

in series with the common

Rated 100mA @ 28VDC

Tamper output

LED May be enabled or disabled

by a jumper inside the sensor

Mounting height

6'-10' (1.8m - 3m)

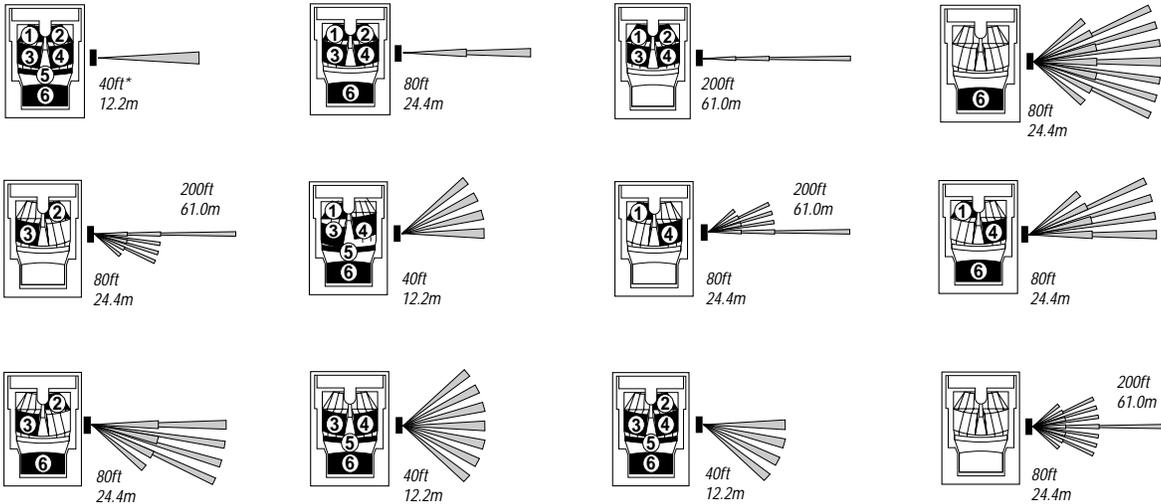
Dimensions

6.3 x 4.13 x 2.95"

(160 x 105 x 75mm)

Note: On UL certified systems, a UL Listed power supply or a Listed control capable of providing a minimum of 4 hours of total standby power must be used. 20mA should be assumed for this calculation.

Lens Coverage



*40ft. center zone provides true solid 3D curtain with lookdown

Ordering Information

| Model | Description |
|--------|--|
| AP633A | 200' Long-Range/80' and 40' Wide-Angle PIR Form C relay rated 100mA @ 28VDC with 33ohm current-limiting resistor in series with the common, 12 coverage patterns, tamper |
| BR601 | Ceiling/Wall mount swivel mount bracket (optional accessory) |



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