



Mirror Optic PIR

2-in-1 Pet Immune

AP950PI

Overview

The AP950PI is a 35' passive infrared motion sensor with 80lbs pet immunity* or a 50' standard sensor. It is highly sensitive to moving infrared sources. It features superior immunity to RFI, vibration, static electricity, temperature changes, and other false alarm sources. The AP950PI is calibrated through the optics to reduce variations in sensitivity from unit to unit.

The unit provides jumper-selectable sensitivity, mode, and LED settings. It's designed to accept either the pet immune or the standard 50' mirror provided. The masks included allow the coverage pattern to be modified for a wide variety of applications.

The AP950PI sensor uses true curtain "barriers". These infrared barriers provide uniform coverage all the way down to the floor for superior detection and "undercrawl" protection.

Gliding focus curtains provide increased stability and coverage independent of mounting height compared to beams.

In addition, the AP950PI uses 4D signal processing to evaluate an incoming signal size, speed, shape, and duration. If the signal matches that generated by a human signature, the detector goes into alarm. This patented 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.

This sensor has the capability to fulfill all your PIR needs. Easy installation and unique changeable mirror option make it the detector of choice.

* Pet Immunity is conditional upon pet type and hair length. Good for single animal only.



Standard Features

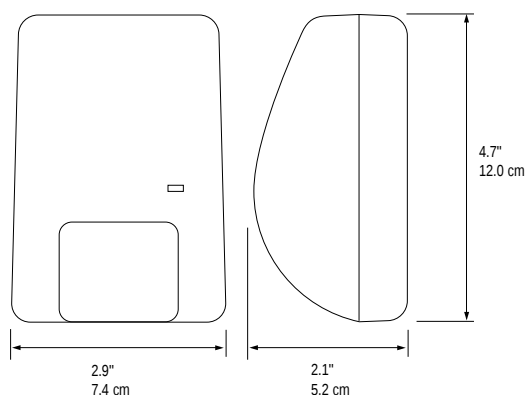
- Shipped with pet immune mirror installed and standard mirror in the box
- Calibrated through the optics to reduce variations in sensitivity from unit to unit
- Ignores single pets up to 80 lbs depending on hair length and pet type
- Adaptive 4D signal processing analyzes the size, speed, and shape of incoming signals and adapts its alarm threshold for fewer false alarms
- True curtain "barrier" coverage patterns

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Dimensions



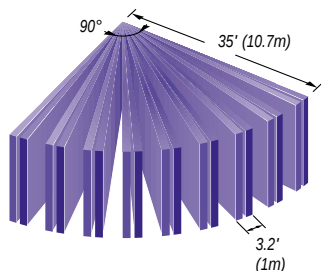
Specifications

Input voltage	8.2-15VDC
Input voltage (UL)	9.7-13.6VDC
Peak to peak ripple	2V max @ 12VDC
Current consumption	17mA max
Mounting height	7' to 10' (2.1m to 3m)
Relay contacts	50mA max @ 28V
Relay type	Closed loop (Form A)
Alarm time (LED and relay)	2.9 to 3.5 seconds
Operating temperature	0° to 122°F (-18° to 50°C)
Relative humidity	93% non-condensing
RFI immunity	≥20V/meter from 28 to 1000MHz
Weight	0.26lbs (120g)
Dimensions	4.7 H x 2.1 D x 2.9" W (12 x 5.2 x 7.4cm)
Number of curtains	9
View angle	90°
Detection range	35' (10.7m) with pet immune mirror and sensitivity set to Standard 50' (15.2m) with standard mirror and sensitivity set to Increased C-UL-US, UL639, CAN/ULC-S306

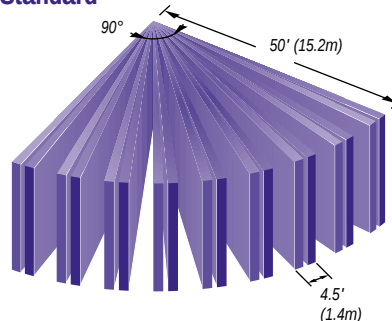
Listings

Coverage Patterns

Pet Immune



Standard



Ordering Information

Model	Description
AP950PI	Pet immune mirror installed, closed loop, 35ft (10.7m) Standard mirror included, 50ft (15.2m)



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