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# Mirror Optic PIR

50' Detection Range

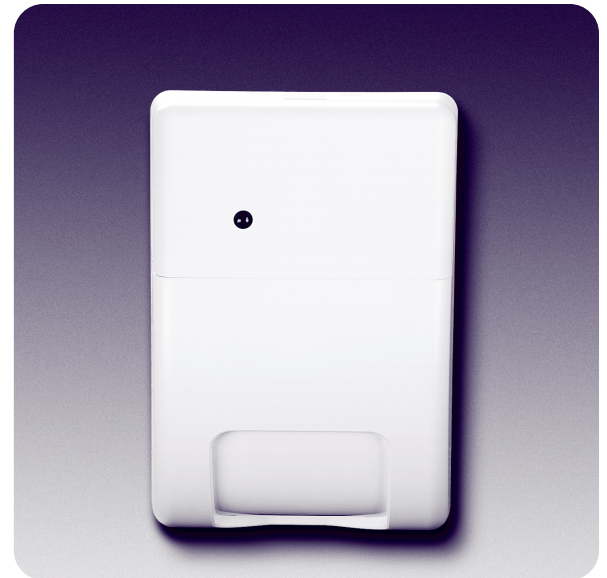
### Overview

The Mirror Optic passive infrared sensors use true curtain "barriers"; a feature that is unique to this advanced line of sensors. These infrared barriers provide continuous floor-to-ceiling coverage for superior detection and "undercrawl" protection.

The Mirror Optic sensors use 4D signal processing to evaluate an incoming signal's size, speed, shape and duration. If the signal matches that generated by a human signature, the detector initiates an 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.

In addition, the Mirror Optic sensors are easy to install. Simple clip-on plastic mirror inserts on the AP450 & AP450A let you choose from four coverage patterns: full 90°, 45° left, 45° right and center curtain only.

By combining sophisticated 4D signal processing with exclusive curtain 3D barrier technology, the Mirror Optic sensors deliver unsurpassed performance, reliability and false alarm immunity.



### Standard Features

- True curtain "barrier" coverage patterns
- ASIC based 4D signal processing analyzes size, shape, speed, and alarm threshold
- Adaptive Passive Infrared Technology automatically adjusts alarm threshold in harsh environments
- 9 barriers, 50ft range at 6'-10' mounting heights

### Model Numbers

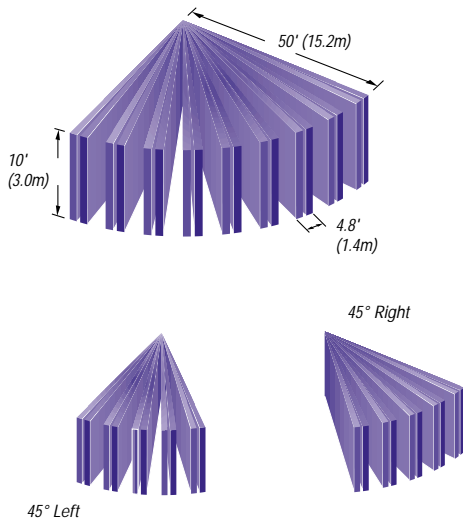
AP450, AP450A

# Mirror Optic PIR

50' Detection Range

AP450

## Coverage Patterns



## Specifications

<b>Input voltage</b>	9-15VDC
<b>Input voltage (UL)</b>	9.7-13.6VDC
<b>Peak to peak ripple</b>	2V max @ 12VDC
<b>Current consumption</b>	15mA max
<b>Mounting height</b>	6' -10' (2.1m-3m)
<b>Relay contacts</b>	50mA max @ 28V
<b>Tamper contact rating (AP450 only)</b>	100mA max @ 28VDC
<b>Relay type</b>	
AP450A	Closed loop (Form A)
AP450	Closed loop (Form C)
<b>Alarm time (LED and relay)</b>	2.9 to 3.5 seconds
<b>Operating temperature</b>	0° -131°F (-18° -55°C)
<b>Relative humidity</b>	93% non-condensing
<b>Weight</b>	0.26lbs (120g)
<b>Dimensions</b>	4.1 H x 2.8 D x 2" W (10.3 x 7.1 x 5.1cm)
<b>Number of curtains</b>	9
<b>View angle</b>	90°
<b>Listings</b>	C-UL-US, UL639, CAN/ULC-S306

## Ordering Information

Model	Description	Listing
AP450A	50' PIR, Form A	C-UL-US
AP450	50' PIR, Form C, tamper	C-UL-US



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