

Avi-on Junction Mount PIR Sensor

AVI-KIT-SEN-IRW-24-BLE



Avi-on Bi-level PIR Occupancy Junction/Knockout Mount

Sensor Operation

Avi-on PIR Sensors operate with the Avi-on App (iOS or Android) to allow initial setup and subsequent sensor adjustments. The mobile application enables adjustment of sensor parameters such as time delay, dim level, sensitivity, ambient light level, and more.

Sensor Features

Overview

- Digital PIR Detection
- Photocell for Day/Night Operation
- Time delay 1 adjustable 15 sec to 30 min
- Time delay 2 adjustable 15 sec to ∞
- LED Motion indicator
- Mounting height of 40 ft (12.2 m)
- 360° coverage pattern
- App Configurable Motion Sensitivity
- App Adjustable delay and dim levels

The Avi-on PIR sensor uses digital PIR Motion Detection Architecture and Quad Element passive infrared (PIR) technology for accurate detection coverage.

The Avi-on PIR sensor is a Class 2 Device designed to comply with CA Title 24, IECC, IgCC and ASHRAE requirements.

Modes

- Mode Scheduling
- Occupancy Mode with Bi-level Dimming
- Vacancy Mode
- Photocell Mode with Sensitivity Control
- On at Last Dim Level
- Hold at Dimmed Level

Warranty

Five-year limited warranty.

Complete warranty terms located at:

<http://avi-on.com/warranty>

Note: Actual performance may vary as a result of environment and application.

Specifications subject to change without notice

Parts and Ordering

Controllers

Name	Description	Part Number
Avi-on PIR Sensor with Low Bay Lens	PIR + Photocell, Junction Mount, Low Bay PIR Lens	AVI-KIT-SEN-IRW-24-BLE-LBL
Avi-on PIR Sensor with High Bay Lens	PIR + Photocell, Junction Mount, High Bay PIR Lens	AVI-KIT-SEN-IRW-24-BLE-HBL

To order please contact Avi-on sales at
(877) AVION-US, (877) 284-6687 or
prosales@avi-on.com
 for information on becoming an Avi-on partner and order details.

Case Dimensions (Excluding Wires)

Part	Length (in)	Width (in)	Height (in)
Avi-on PIR Sensor without Lens	1.86	1.37	1.41
Highbay Lense		2.4	.83
Lowbay Lense		2.4	.83

Certifications

Regulatory	Description
USA	FCC: ZZ0 WCM-01
UL	E341446

Specifications

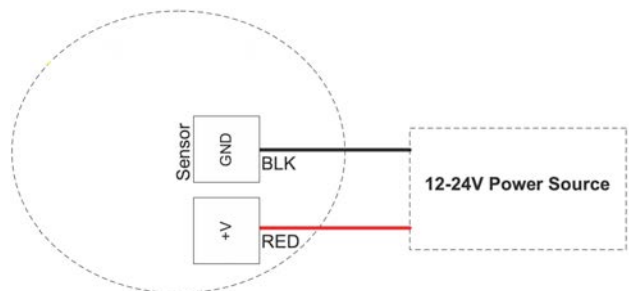
Specification	Range
Sensor Type	Quad Element PIR
Time Delay 1	15 sec to 1 hr 30 min
Time Delay 2	15 sec to ∞
Max Detection Area	12m Mounting / 24m Diameter

Specification	Range
Operating Temperature	-30° C to 70° C
Storage Temperature	-40° C to 80° C
Relative Humidity	90-95% Non-condensing
IP Rating	IP20

Wiring / Power

Input Voltage	Max Current
12-24 VDC	50mA

Avi-on sensors require 12-24 VDC power which can be supplied by a compatible driver with an Aux out or the AVI-PS-277-12-250 power supply (sold separately).



Product Diagrams

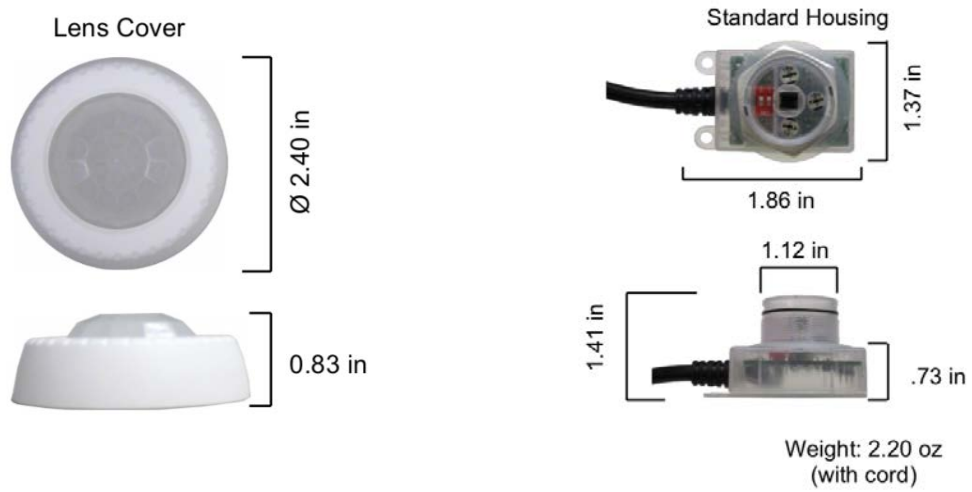


Figure 1. Avi-on PIR Sensor Dimensions

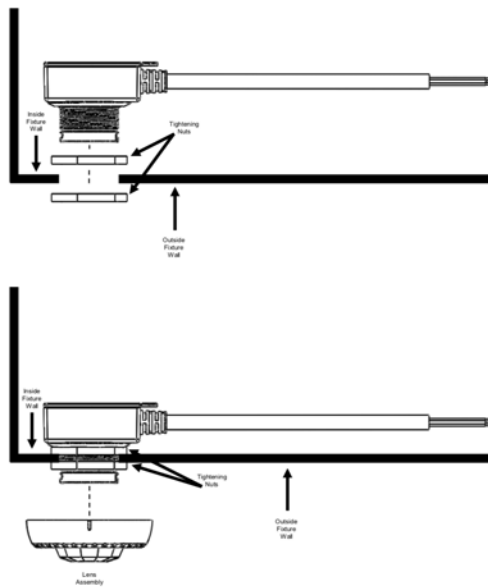


Figure 2. Installation Examples

Product Diagrams

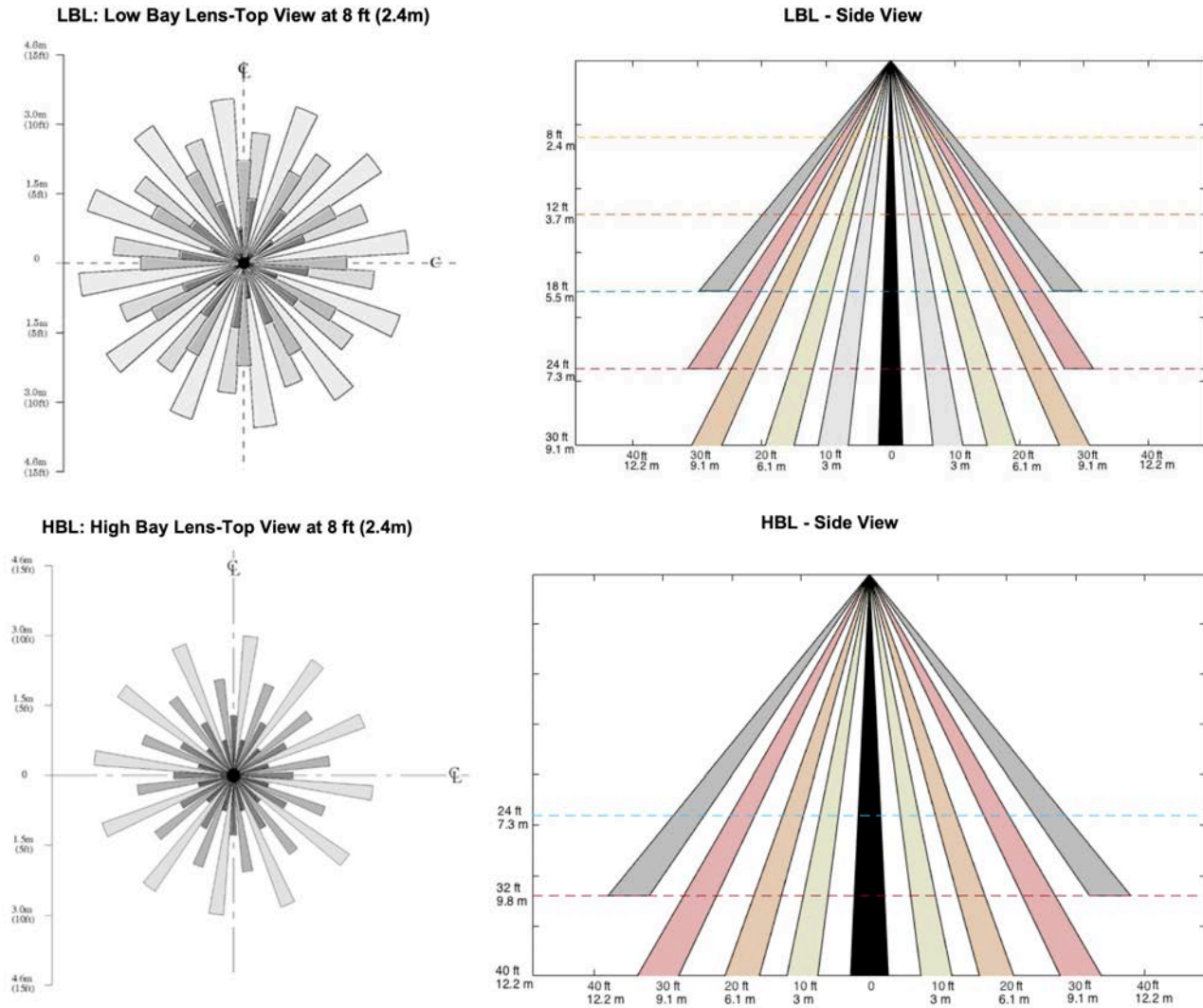


Figure 3. Detection Area



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