

Avi-on Ceiling Mount PIR Sensor

AVI-KIT-SEN-ICM-24-BLE



Avi-on Bi-level PIR Occupancy Ceiling/ Junction Mount Sensor for Office or Open Areas

Kit includes AVI-PS-277-12-250 (120-277v to 12v) Power Supply

Sensor Operation

Avi-on Bluetooth® Enabled 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 90 min, ∞
- LED Motion indicator
- Mounting height of 12ft (3.6m)
- 360° coverage pattern
- App Configurable Motion Sensitivity
- App Adjustable delay and dim levels
- Add a AVI-SEN-IARH-24-BLE to include Daylight Harvesting

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
- 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 Ceiling Mount PIR Sensor	PIR + Photocell, Ceiling Mount + AVI-PS-277-12-250	AVI-KIT-SEN-ICM-24-BLE

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		4.25	1.45

Certifications

Regulatory	Description
USA	FCC: ZZ0 WCM-01
UL	E341446

Specifications

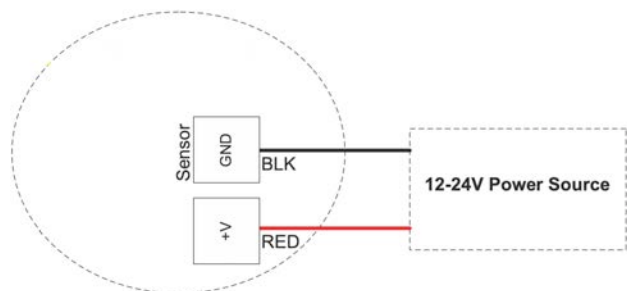
Specification	Range
Sensor Type	Quad Element PIR
Time Delay 1	15 sec to 1 hr 30 min
Time Delay 2	15 sec to 1 hr 30 min, ∞
Max Detection Area	12 ft Mounting / 25 ft Radius Large Movement 10 ft Radius Small Movement

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

Ceiling mount sensor kits include an AVI-PS-277-12-250 power supply for junction box power. Can also be powered by driver or other 12-24 VDC power source.



Product Diagrams

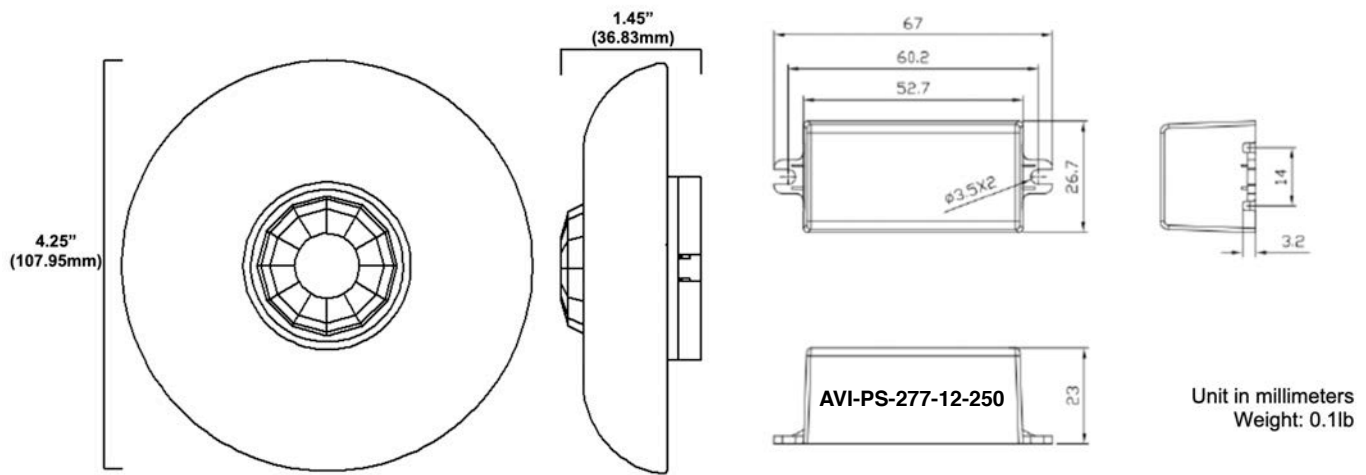


Figure 1. Product Dimensions

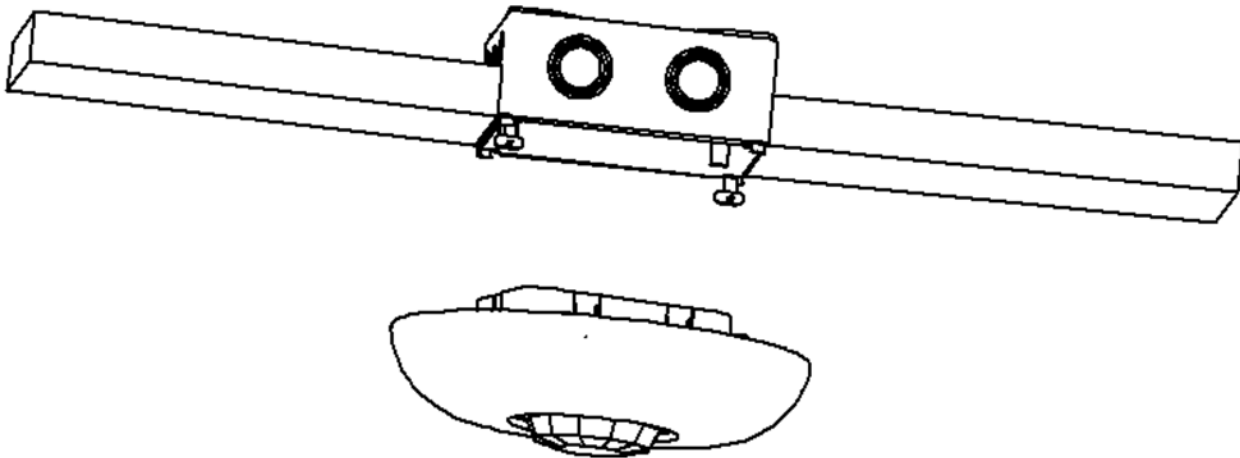


Figure 2. Installation Examples

Product Diagrams

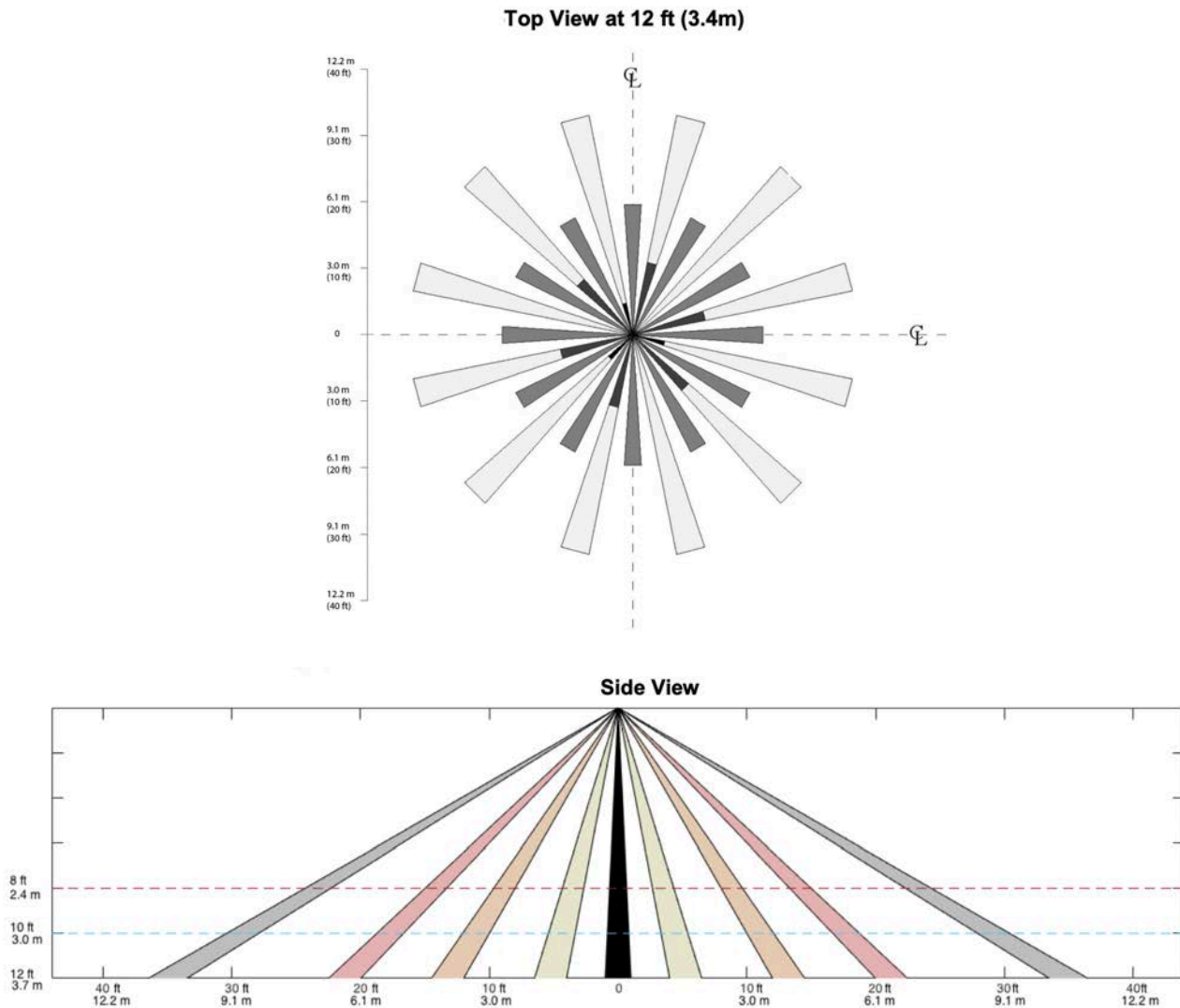


Figure 3. Detection Area



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