

Avi-on Daylight Harvesting Sensor with PIR

AVI-SEN-IARH-24-BLE



Avi-on Daylight Harvesting Sensor with Bi-level PIR Occupancy

Designed for Daylight Harvesting mounted In Fixture or Grid Ceiling. Can be used for Low Profile Small Office/Conference Daylight + PIR

Application Usage

Avi-on Bluetooth Sensors operate as a stand alone node within the Avi-on mesh platform. This allows for flexibility in install location. Use the Avi-on App (iOS or Android) for 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 180 min
- Time delay 2 adjustable 15 sec to 90 min, ∞
 - Restrictions based on Code Compliance
- LED Motion indicator
- Mounting height of 9ft (2.74m)
- 360° coverage pattern

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

- Daylight Harvesting with Target Lux
 - Open and Closed Loop 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

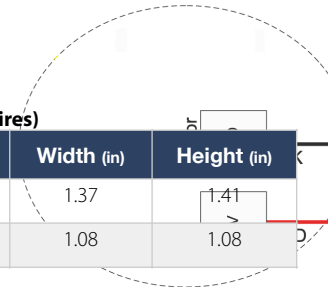
Parts and Ordering

Controllers

Name	Description	Part Number
Avi-on PIR with Daylight Harvesting	Bi-level PIR occupancy sensor with remote head and Daylight Harvesting	AVI-SEN-IARH-24-BLE

To order please contact Avi-on sales at
(877) AVION-US, (877) 284-6687 or
prosales@avi-on.com

Case Dimensions (Excluding Wires)



Part	Length (in)	Width (in)	Height (in)
PIR Housing	1.86	1.37	1.41
Remote Head	6	1.08	1.08

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	2.4m Mounting / 4.8m 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

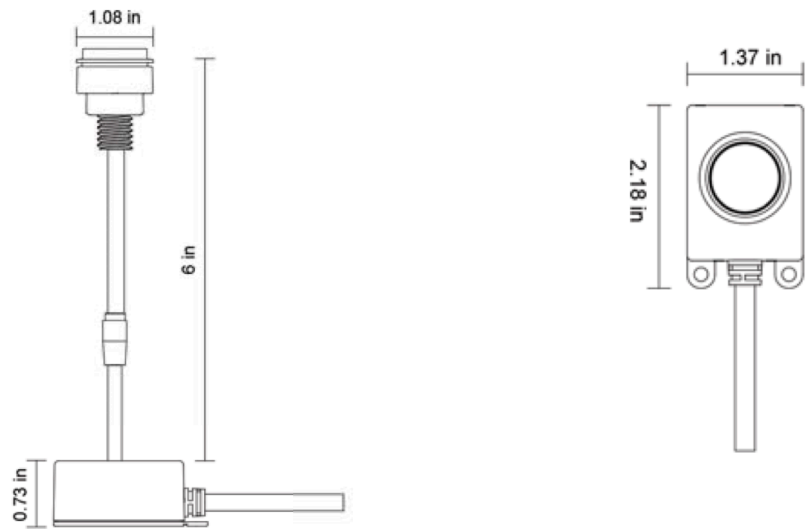


Figure 1. Sensor Dimensions

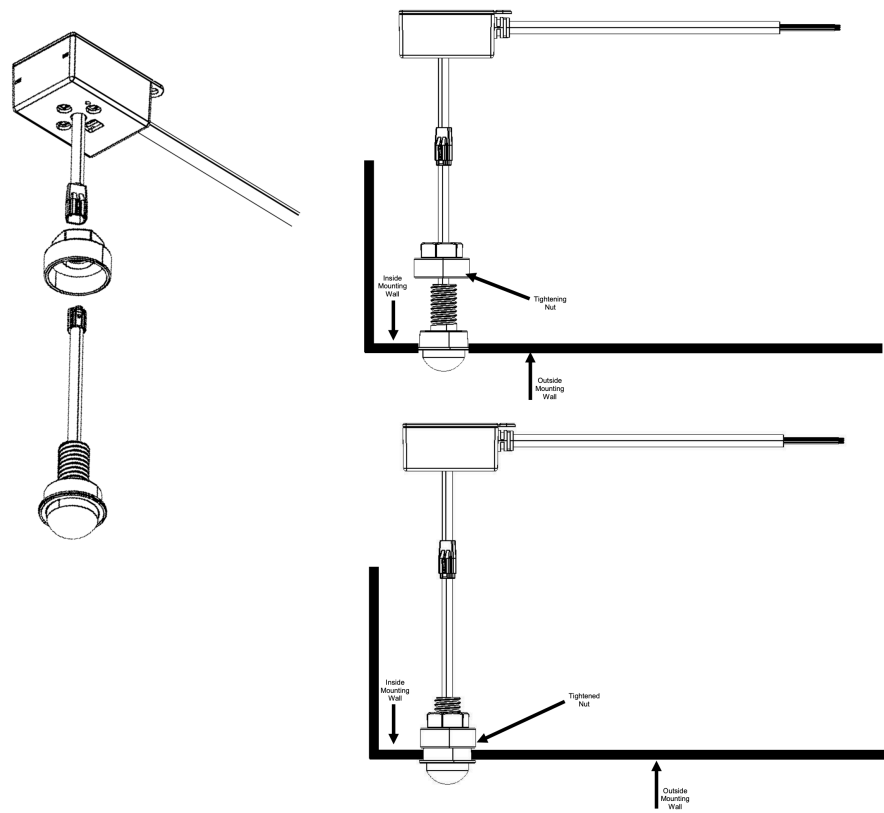


Figure 3. Installation Example

Product Diagrams

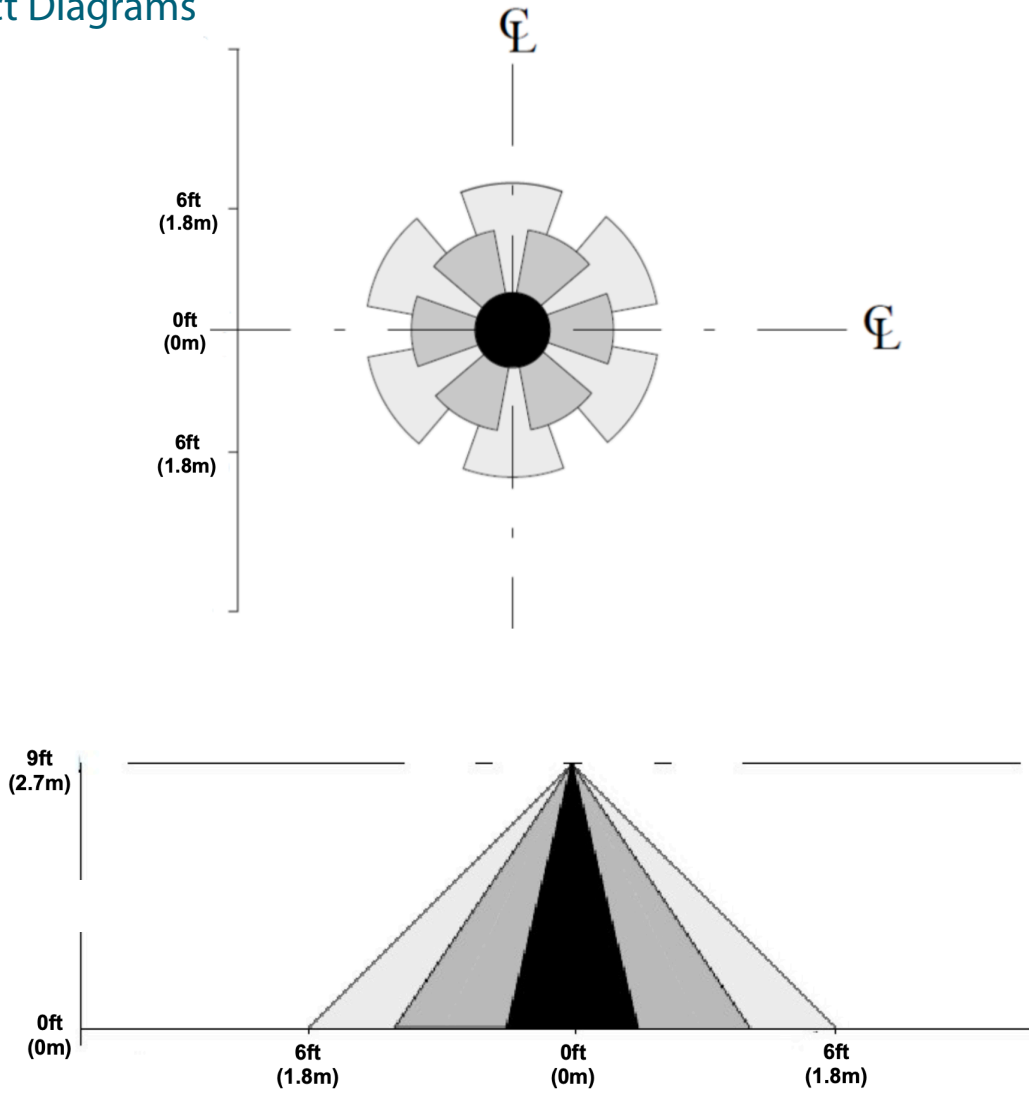


Figure 5. Detection Area

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