

Non-BLE PIR Sensor

Non Bluetooth PIR Ceiling Mount Sensor from Avi-on

Cost-Effective Coverage
The Non-BLE PIR Sensor provides cost-effective PIR coverage for standard motion-sensing applications

Simple Installation
Sensor is factory preset to allow for quick installation right out of the box



Customizable Settings
Lighting configuration, timing and dim levels managed through the Avi-on App

PIR Sensitivity
Covers typical office/open office applications with small motion coverage up to 15ft and large motion up to 25ft.

PRODUCT OVERVIEW

The Avi-on wired PIR sensor provides cost-effective basic PIR coverage for standard motion-sensing ceiling-mount applications. This is an analog sensor used in conjunction with the analog sensor input of the AVI-XFAC-16A-1CH-CL1 or AVI-SIM-12-24VDC.

The Avi-on PIR Ceiling Mount Sensor is powered by and sends its signal to the XFAC (AVI-XFAC-16A-1CH-CL1) or Avi-on Sensor Input Module (AVI-SIM-12-24VDC) with a power supply (AVI-PSR20-277-24-150). The sensor is factory preset to allow for quick installation right out of the box in most applications. Lighting configuration should be done through the Avi-on App. Manual adjustments can be made physically on the sensor's face.

PIR Sensitivity

Covers typical office/open office applications with small motion coverage up to 15ft and large motion up to 25ft.

Power and Connection

The ICM 24 can be powered by the 24VDC Aux port of the AVI-XFAC-16A-1CH-CL1. Up to four (4) ICM may be powered from one XFAC. When used with the AVI-SIM-12-24VDC, a separate 24DC power supply must be used such as the AVI-PSR20-277-24-150.

Sensor Settings

All timing and dim levels for the sensor are set and remotely configurable using the connected XFAC or IFAC. It is not recommended that any dip switch settings be changed from their factory defaults

On/Off

There is a 40-second warm-up period when power is first applied to the sensor. Before making adjustments, make sure office furniture is installed, lighting circuits are turned on, and HVAC systems are turned on. VAV (variable air volume) systems should be set to their highest airflow.

ORDERING INFORMATION

Part Number	Name	Description
AVI-SEN-ICM-24	PIR Ceiling Mount Sensor	PIR Non-Bluetooth Ceiling Mount Sensor

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.

Project		Location/ Type	
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SPECIFICATIONS

Name	PIR Ceiling Mount Sensor
Sensor Type	PIR ceiling mount
Input Voltage	24VDC
Power Consumption	15.5mA
AC to DC Power Supply	AVI-PSR20-277-24-150 class 2 power pack
PIR Sensor Range	18ft / 360° coverage

Part Number	AVI-SEN-ICM-24
Operating Temperature	-0° to 55°C
Storage Temperature	-10° to 60°C
Relative Humidity	95% non-condensing
Mounting	Ceiling mount
Color	White
Warranty	5 years
Certifications	UL/cUL listed power pack

Case Dimensions (Excluding Wires)

Name	Width (inches)	Width (inches)	Height (inches)
PIR Ceiling Mount Sensor	4.52	4.52	1.38

Certifications

Type	ID
UL	E350121
cUL	E350121

DIAGRAMS

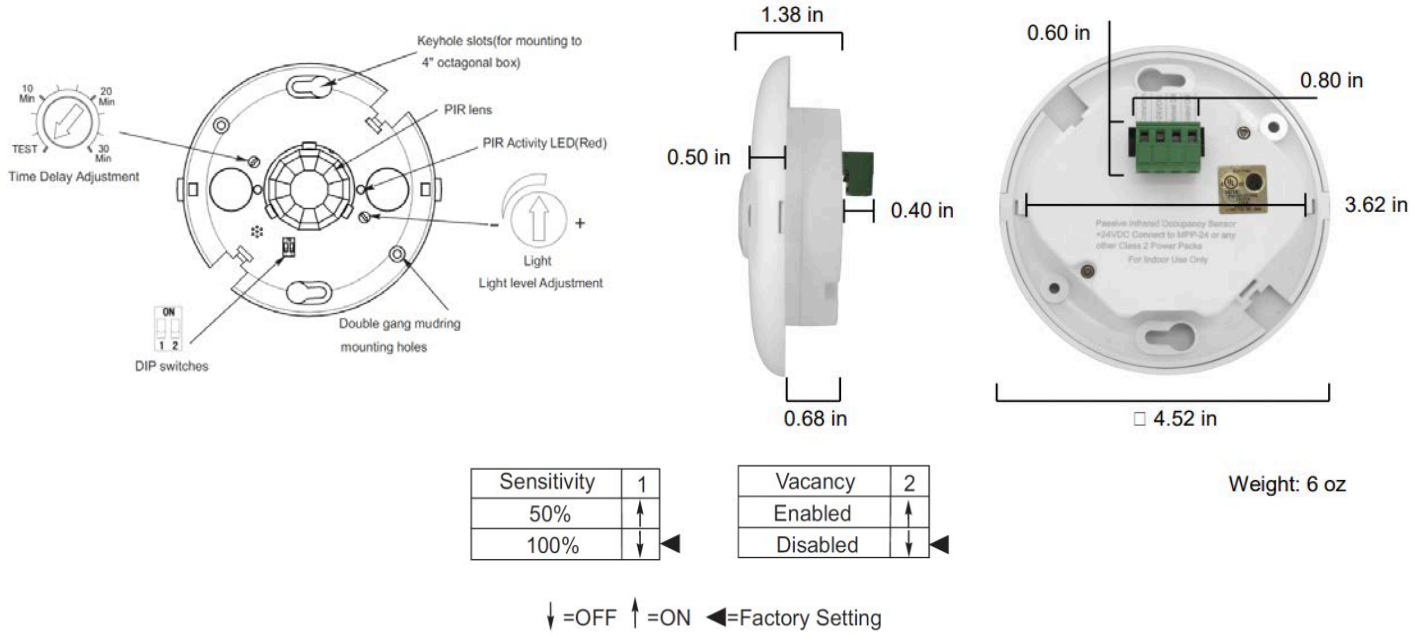


Figure 1. Sensor Controls and Dimensions

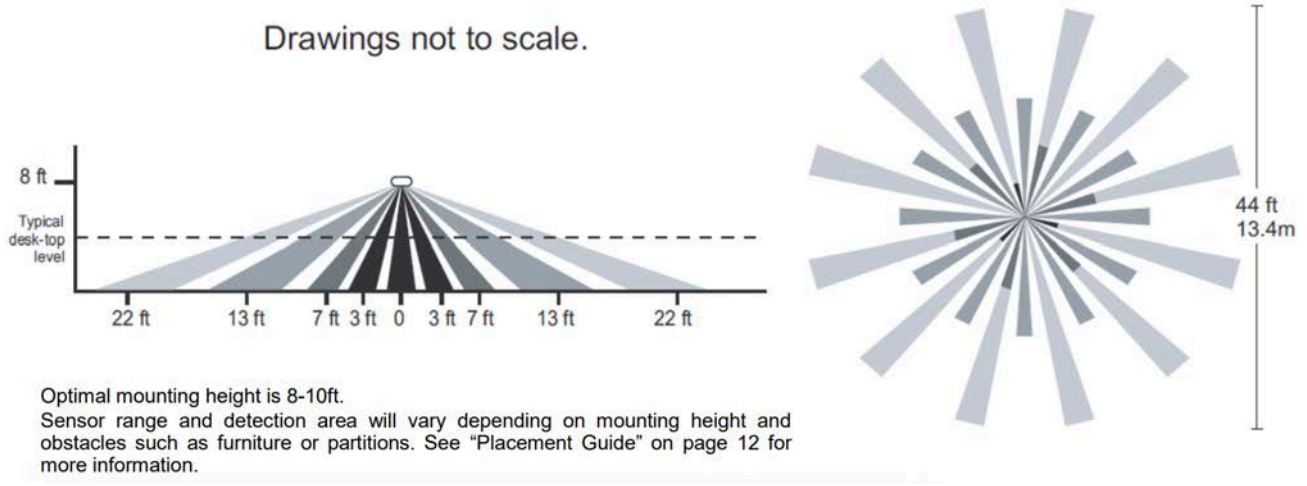


Figure 2. Ceiling Mount Coverage Area

DIAGRAMS (cont.)

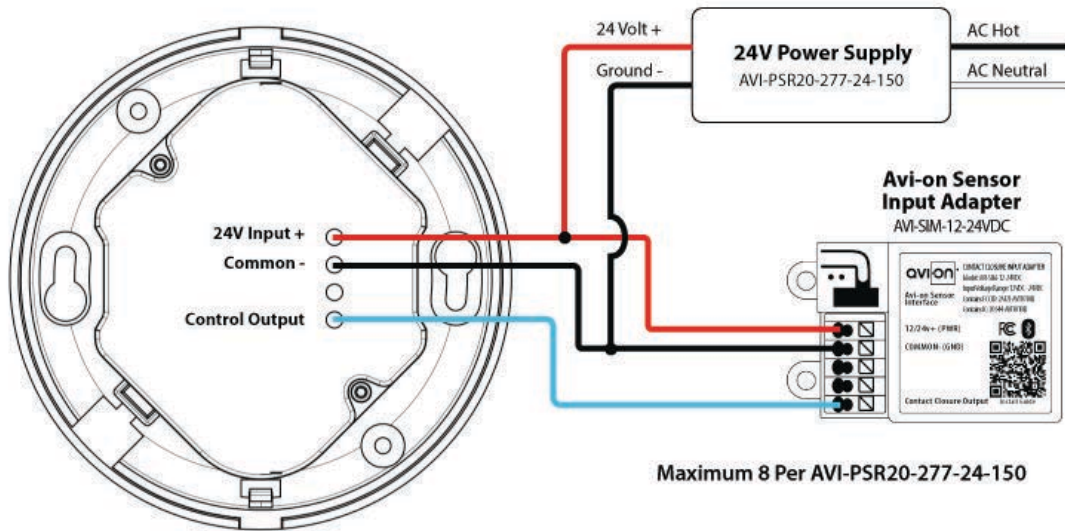


Figure 3. Wiring Diagram

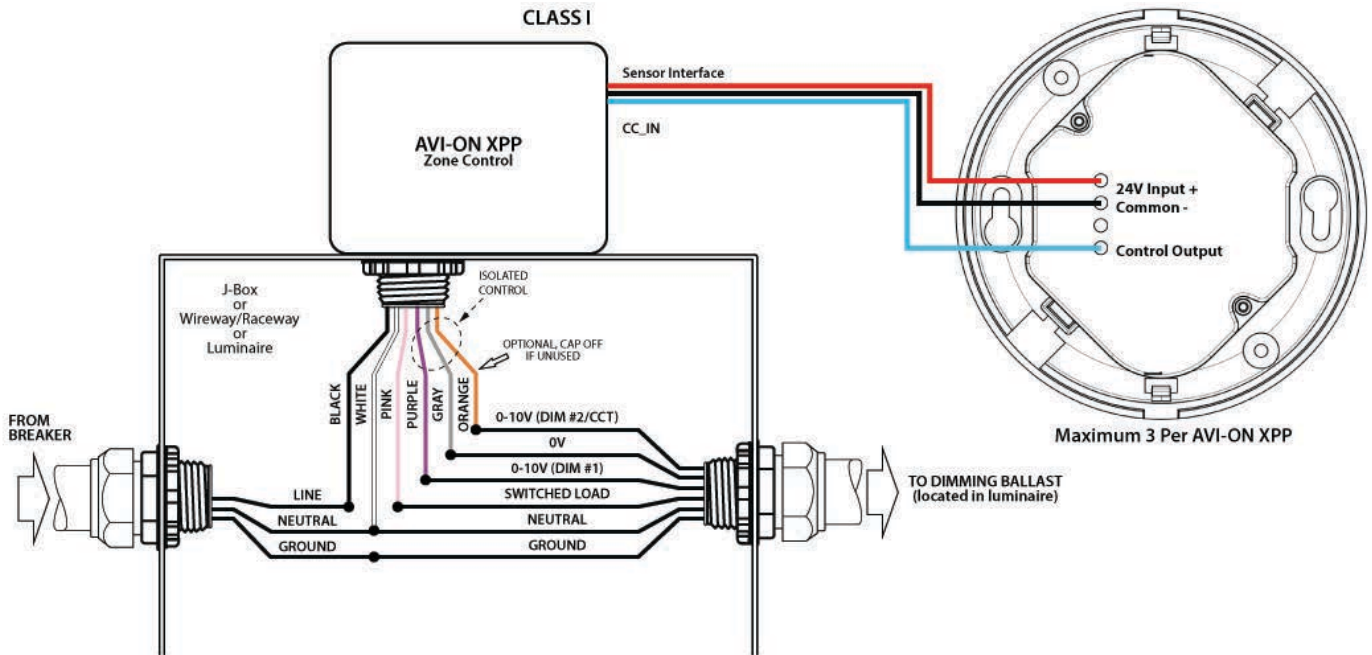


Figure 4. Wiring Diagram

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