Product Specifications

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 three (3) 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-12-24VDC	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**	

SPECIFICATIONS

Name	PIR Ceiling Mount Sensor
Sensor Type	PIR ceiling mount
Input Voltage	12-24 VDC
Power Consumption	20mA
AC to DC Power Supply	AVI-PSR20-277-24-150 class 2 power pack
PIR Sensor Range	37ft (11.3m) radius

Part Number	AVI-SEN-ICM-24
Operating Temperature	-30° C to 70°C
Storage Temperature	-40° C to 80°C
Relative Humidity	90-95% non-condensing
Mounting	Ceiling mount up to 12ft (3.6m)
Color	White
Warranty	5 years
Certifications	UL/cUL listed power pack

Case Dimensions (Excluding Wires)

Name	Width	Length	Height
PIR Ceiling Mount Sensor	4.25"(108mm)	4.25"(108mm)	1.45"(37mm)

Certifications

Type	ID
UL	E341446
cUL	E341446

DIAGRAMS

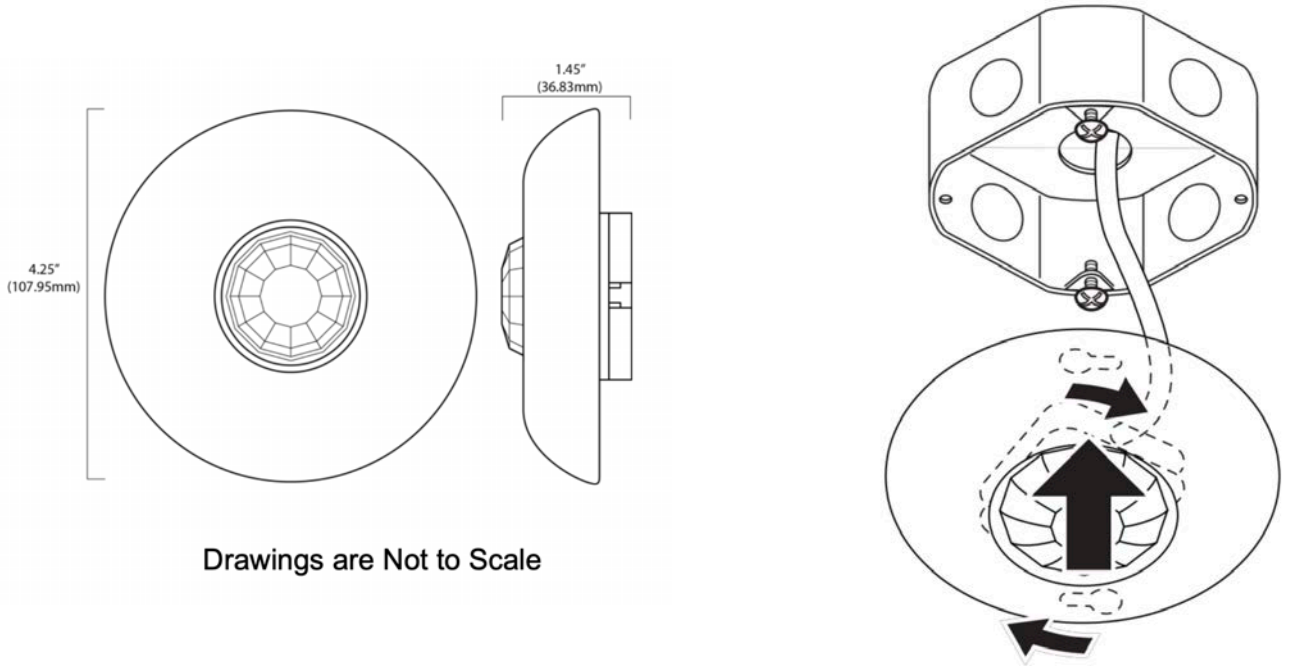


Figure 1. Dimensions and Installation

DIAGRAMS (cont.)

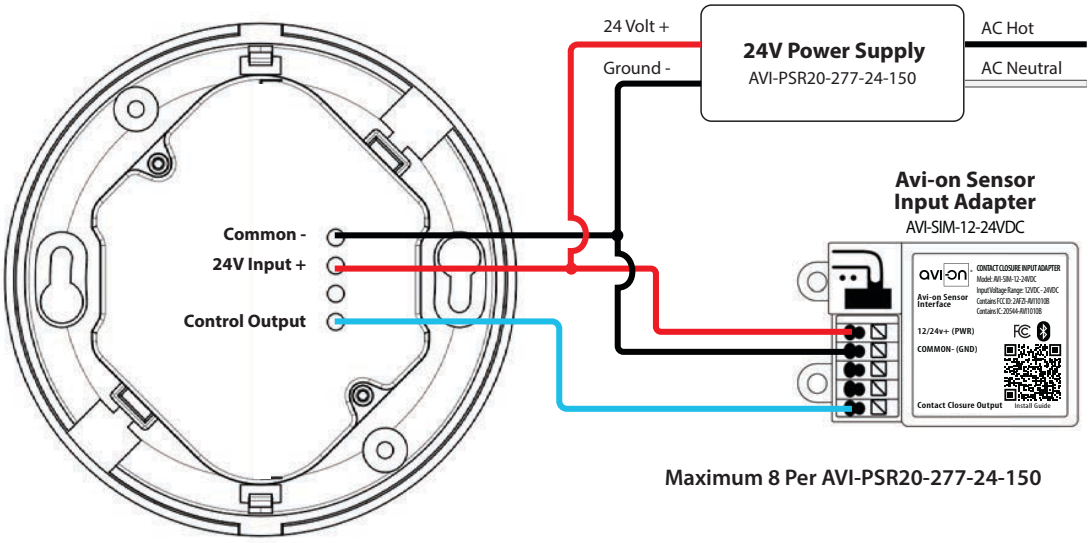


Figure 2. Wiring Diagram

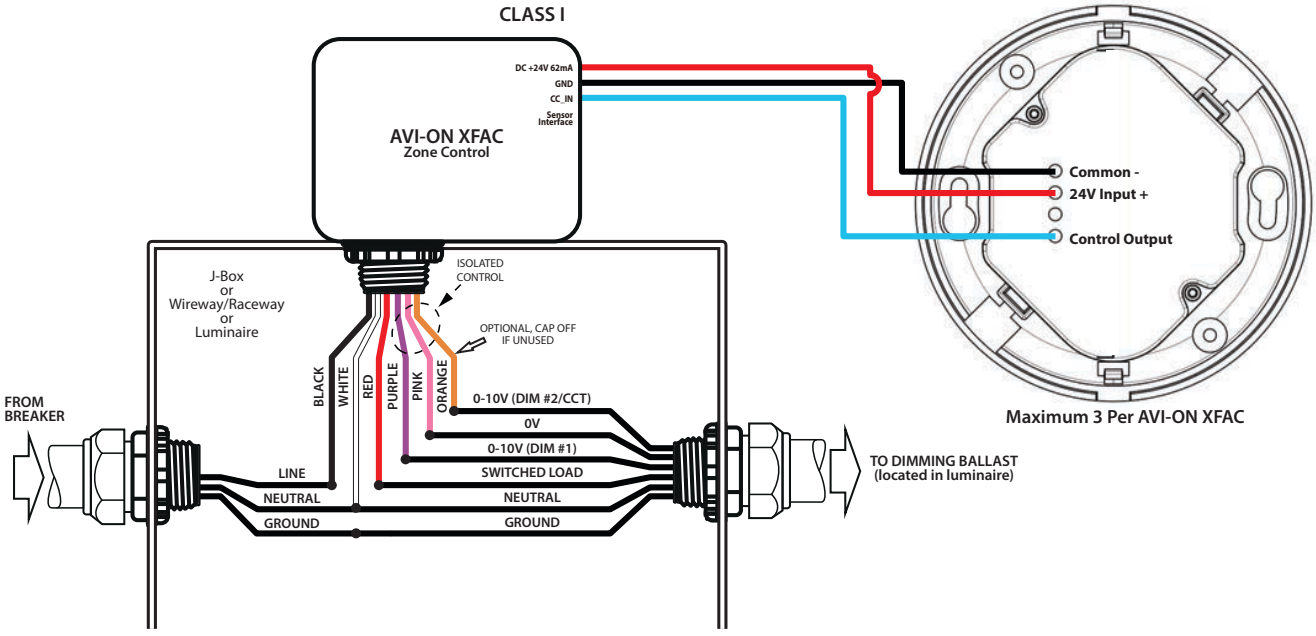
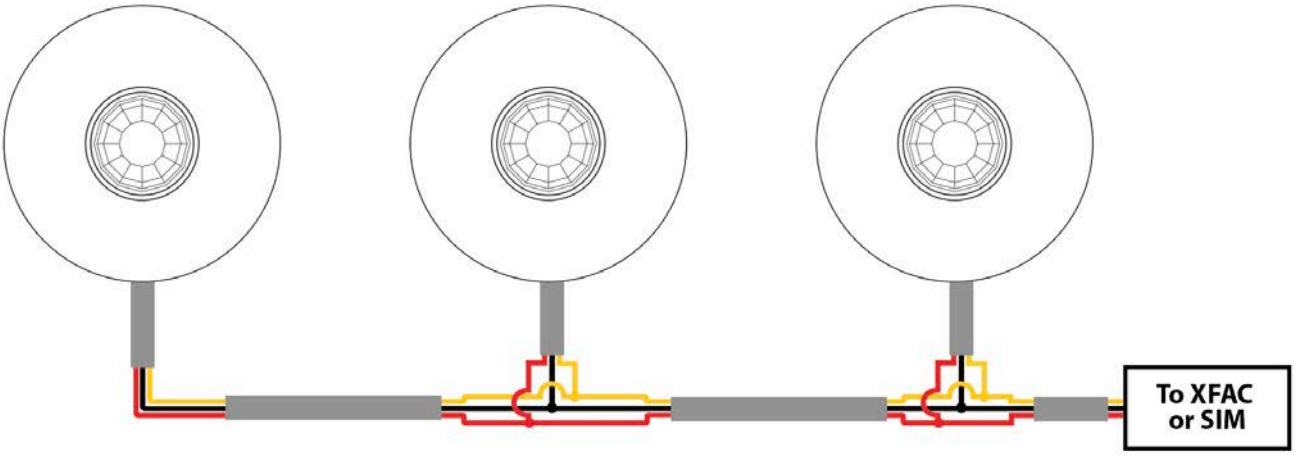


Figure 3. Wiring Diagram

DIAGRAMS (cont.)

Series



Parallel

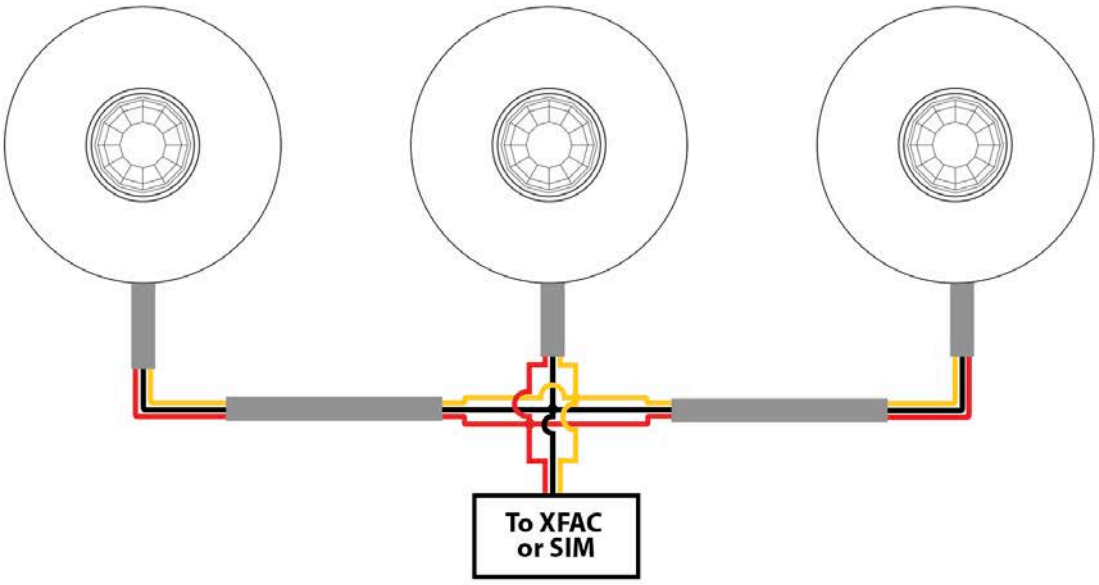
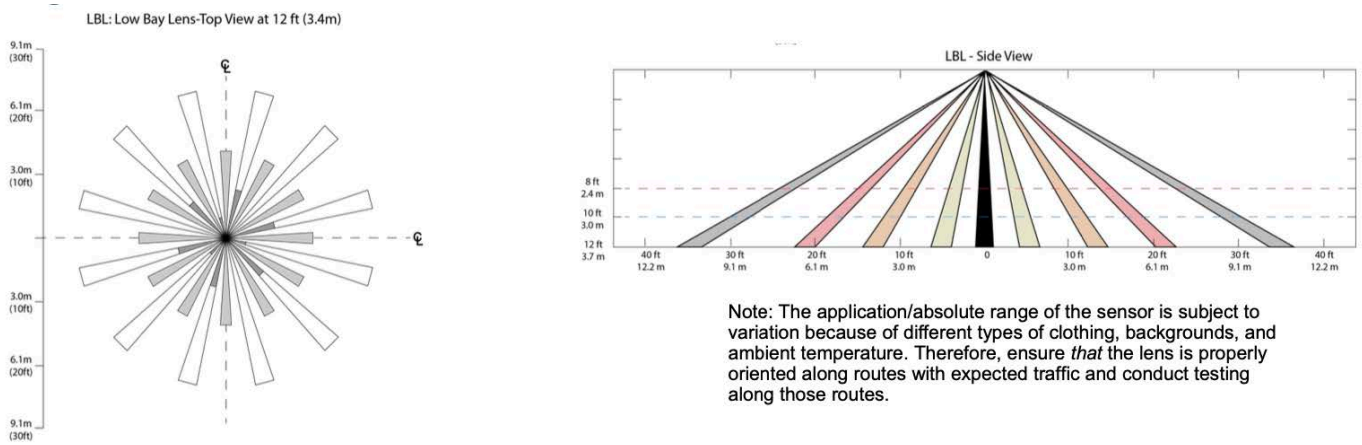


Figure 4. Series and Parallel Wiring

COVERAGE



Note: The application/absolute range of the sensor is subject to variation because of different types of clothing, backgrounds, and ambient temperature. Therefore, ensure *that* the lens is properly oriented along routes with expected traffic and conduct testing along those routes.

Figure 5. Ceiling Mount Coverage Area