

Wired Corner Mount PIR

Occupancy

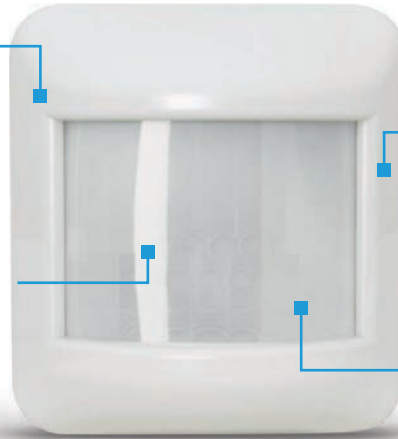
Works with Avi-on Fixture & Zone Controllers

Digital Passive Infrared (PIR) Detection
Fully adjustable parameters

Coverage Pattern
Wide view (120°) coverage pattern

Flexible Mounting Options
Contractor friendly mounting methods including corner mount.

Compact Size
Installs effortlessly in space-constrained areas.



PRODUCT OVERVIEW

Description

Wide view occupancy sensors enable mounting to a wall, corner, junction box, or conduit. This flexibility reduces contractor installation time and provides a secure and clean finished appearance. These sensors utilize the latest passive infrared technology and digital signal processing techniques to provide unmatched detection performance.

Operation

The Corner Mount PIR sensor can be powered by the 24 VDC Aux port of the AVI-XFAC-16A-1CH-CL1. Up to 5 sensors may be powered from one XFAC. When used with the AVI-SIM-12-24VDC, a separate power supply must be used such as the Avi-on AVI-PS-300-24-250 or AVI-PSR20-277-24-150.

Applications

A single sensor may provide sufficient coverage in many spaces, however, multiple low voltage sensors can be easily wired together to provide improved coverage for large or irregular shaped spaces.

- Classrooms
- Open Areas
- Large Offices
- Conference Rooms
- Hallway

ORDERING INFORMATION

	Part Number	Description	Application	Color
	AVI-SEN-SWCP-12-24	Wired Corner Mount PIR	Junction, ceiling	White

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

ELECTRICAL

OPERATING VOLTAGE 12-24 VDC
CURRENT DRAW 5mA

OUTPUT Logic High VDC (Occupied Mode)

RECOMMENDED POWER PACKS Avi-on AVI-PS-300-24-250, or
 AVI-PSR20-277-24-150

ENVIRONMENTAL

OPERATING TEMP 32°F to 122°F (0°C to 50°C)

RELATIVE HUMIDITY 0-95% Non-Condensing,
 Indoor Use Only

ROHS COMPLIANT

ENVIRONMENTAL

SIZE 2.875" H x 2.75" W x 3.25" D
 (7.30 x 6.98 x 8.25 cm)

WEIGHT 4.75 oz.
COLOR White

OPERATION

TIME DELAYS 30 sec. (Timing is configurable remotely through Avi-on control settings)

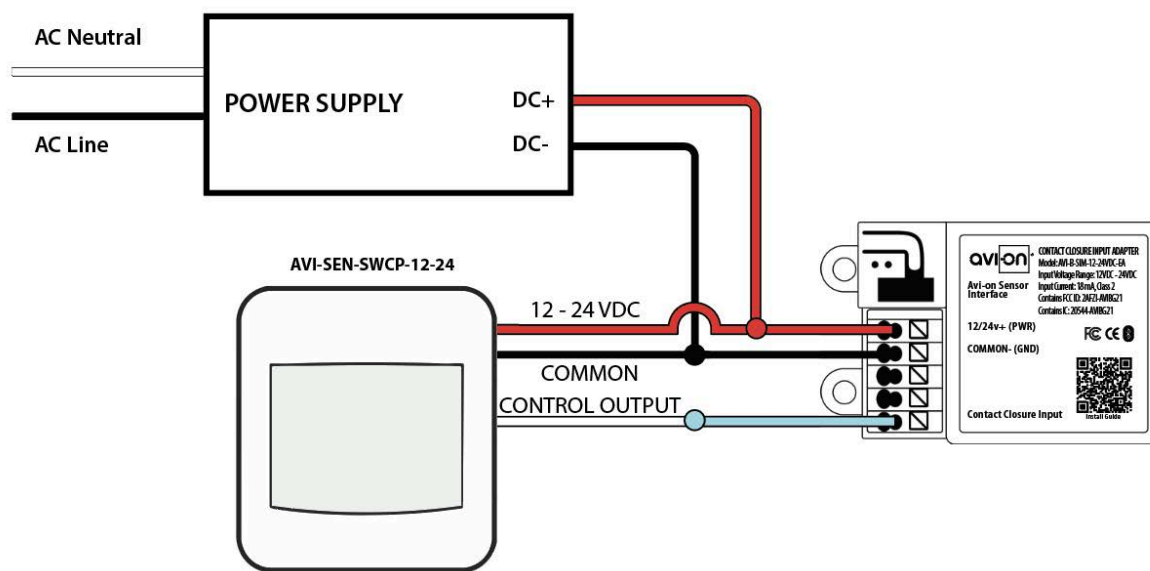
CODE COMPLIANCE

Sensors can be used to meet ASHRAE 90.1, IECC, & Title 24 energy code requirements

**Note: Operating controller at or above these levels may result in damage to components/product*

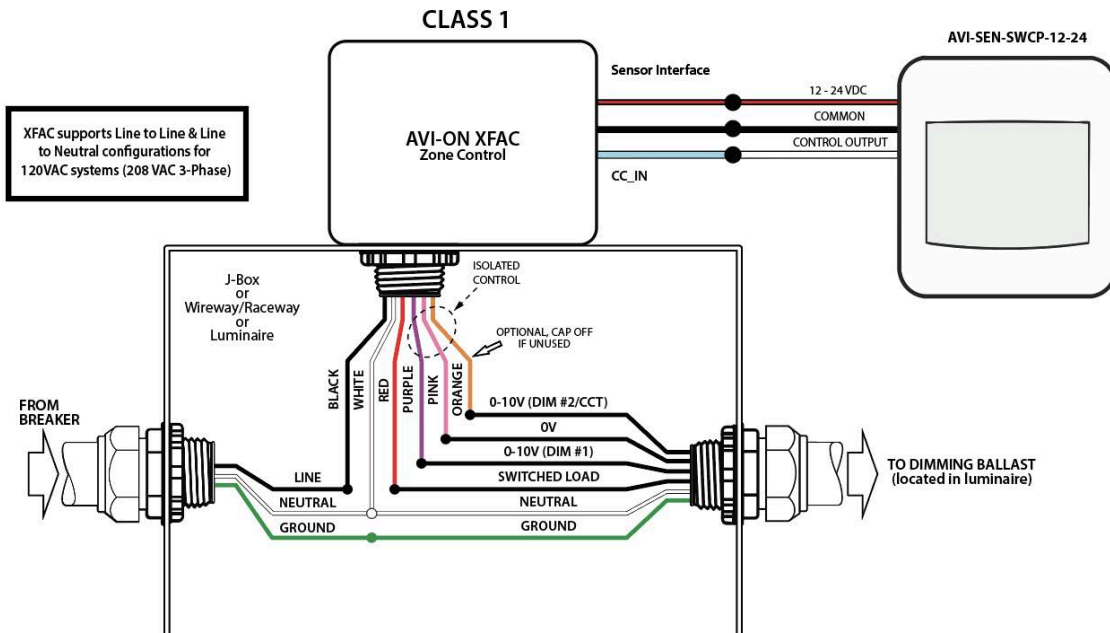
WIRING DIAGRAM

SENSOR INPUT MODULE/CONTACT CLOSURE INPUT ADAPTER

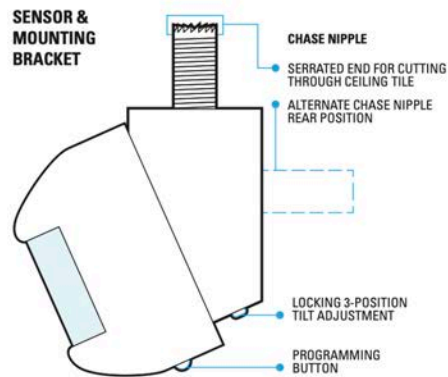


WIRING DIAGRAM

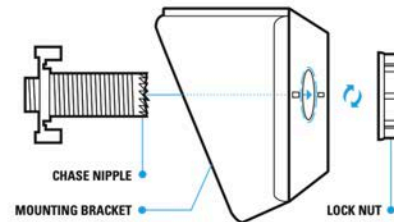
XFAC ZONE CONTROLLER (CLASS 1)



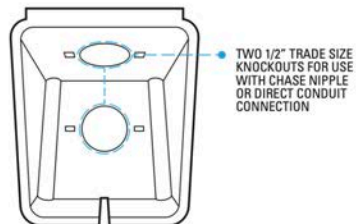
MOUNTING OPTIONS



REAR INSTALLATION

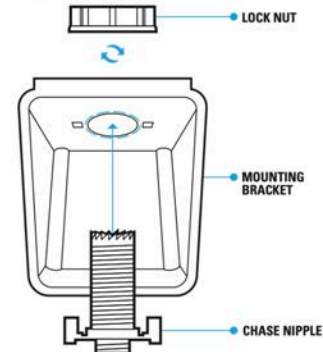


MOUNTING WITH CHASE NIPPLE RECOMMENDED



CHASE NIPPLE & LOCK NUT INCLUDED FOR MOUNTING TO CEILING TILE OR 1/2" KNOCKOUT IN JUNCTION BOX

TOP INSTALLATION



COVERAGE CHARTS

PASSIVE INFRARED (PIR)

WIDE VIEW 120°

- Small motion (e.g., hand movements) detection up to 40 ft (12.19 m)
- Large motion (e.g., walking) detection up to 70 ft (21.34 m)
- Designed for 8 to 12 ft (2.44 to 3.66 m) high mounting

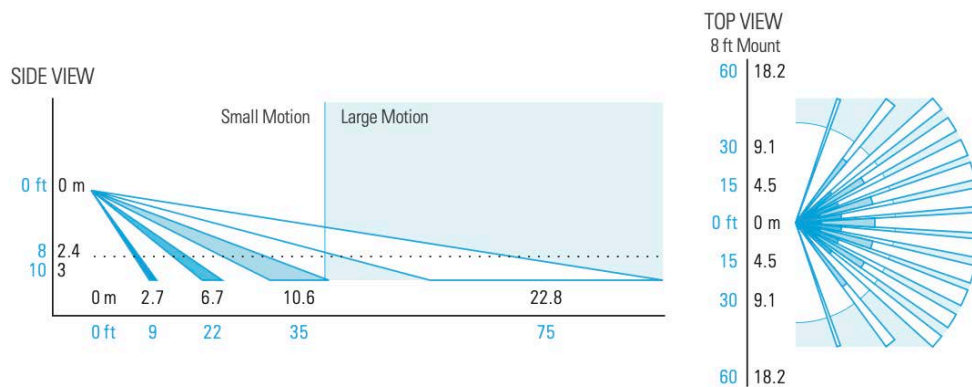
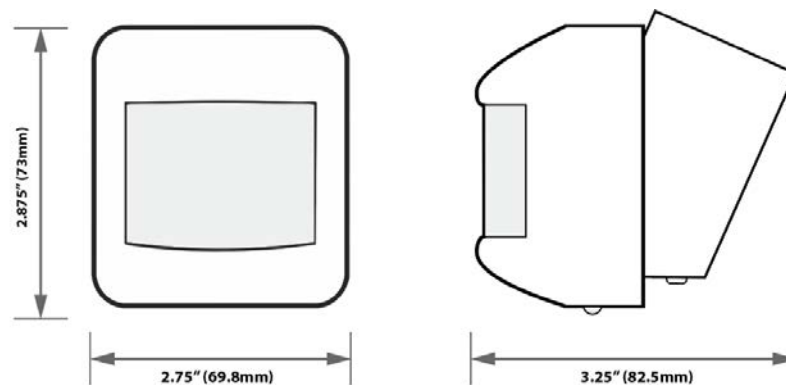


Diagram reflects sensor in first position. Adjust angle downward if mounting above 10 feet or to decrease gap directly under sensor.

DIMENSIONS



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