



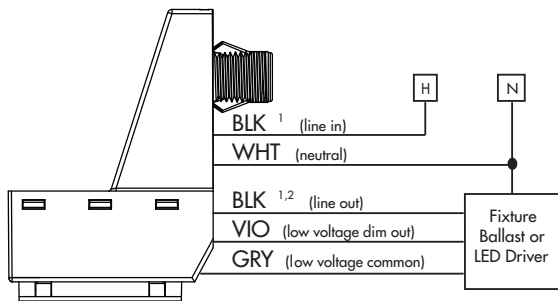
## overview

Fixture mount occupancy sensors provide reliable and versatile solutions for commercial and industrial lighting control applications. The sensors utilize passive infrared (PIR) detection and feature interchangeable lenses, providing flexibility for multiple mounting height and coverage pattern requirements. They utilize 100% digital Passive Infrared (PIR) detection and power from / switch line voltage.

Order Code	Sensor Control Type	Voltage Range	Product Color
PH41623	Motion Only Control Sensor	120-277V	White
PH77409	Motion/Photocell/Dimming Control Sensor	120-277V	White
PH48156	Motion Only Control Sensor	347-480V	White
PH52321	Motion/Photocell/Dimming Control Sensor	347-480V	White

### WIRING TO SINGLE PHASE POWER (120/277/347 VAC)

- BLACK<sup>1,2</sup> - 120/277 VAC Input (Red wire for 347V)
- BLACK<sup>1,2,3</sup> - Switched Line Voltage Output to Luminaire (Red wire for 347V)
- WHITE - Neutral
- VIOLET<sup>4</sup> - Low Voltage Dimming Output (0-10 VDC)
- GRAY<sup>4</sup> - Low Voltage Common



#### Notes

1. Black wires can be reversed
2. Wire is red for 277V
3. Disconnect and cap Black output wire going to driver/ballast if switching fixture is not required.
4. Dimming wires are only present for sensors with dimming option.

## features

- Integrated mounting bracket drops lens down 3" from chase nipple - no bracket accessory required
- No PIR field calibration or sensitivity adjustments required
- Powers from single or two-phase line connections
- Reversible hot & load wires - eliminates backwards wiring
- Photocell and 0-10 VDC dimming built in (optional)
- Digital push-button programming - no tools or analog adjustments required
- Convenient test mode - quickens initial walk and/or photocell testing
- Adjustable time delays, Max/Min Dim Levels

## specifications

Size (w/ Mounting Flange): 3.75" H x 2.50" W x 4.00" D (9.5 cm x 6.4 cm x 10.2 cm)

Weight: 6 oz

Mounting: 1/2" knockout (7/8" hole) on fixture

Maximum Load: 800 W @ 120 VAC; 1200 W @ 277 VAC; 1000 W @ 208 VAC; 1200 W @ 240 VAC

Motor Load: 1/4 HP

Dimming Load: Sinks < 20 mA; (~ 40 LED drivers/ballasts @ 0.5 per) 0-10VDC dimmable ballasts or LED drivers only

Ambient Temperature: Standard: 14-160° F (-10 to 71° C)

Relative Humidity: Standard: 20 to 75% non-condensing

ROHS compliant: Yes

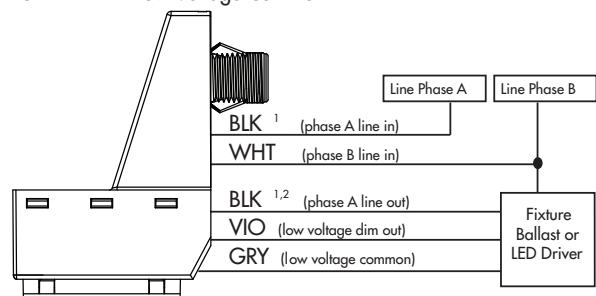
## lenses

Lenses Included: High Mount 360 (installed) & Aisleway

### WIRING TO 2-PHASE POWER (208/240/480 VAC)\*

\*Safety Note only one line phase is being switched, use in direct fixture mount applications only

- BLACK<sup>1,2</sup> - 208/240 VAC Phase A Input (Red wire for 480V)
- BLACK<sup>1,2,3</sup> - Switched Line Voltage Output to Luminaire (Red wire for 480V)
- WHITE - Phase B of 208/240/480 VAC Input
- VIOLET<sup>4</sup> - Low Voltage Dimming Output (0-10 VDC)
- GRAY<sup>4</sup> - Low Voltage Common



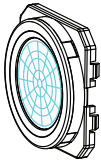
#### Notes

1. Black wires can be reversed
2. Wire is red for 480V
3. Disconnect and cap Black output wire going to driver/ballast if switching fixture is not required.
4. Dimming wires are only present for sensors with dimming option.

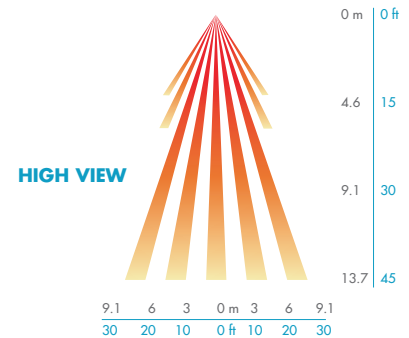
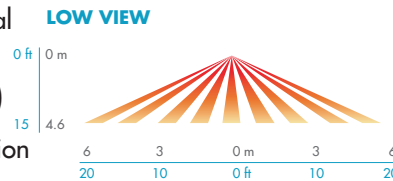


# Dry and Damp Sensor Options

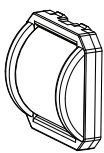
## HIGH MOUNT 360° LENS



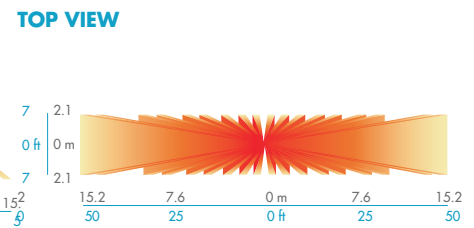
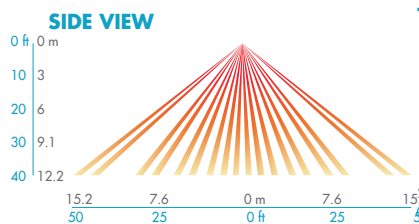
- Best choice for 15 to 45 ft (4.57 to 13.72 m) mounting heights
- 15 to 20 ft (4.57 to 6.10 m) radial coverage overlaps area lit by a typical high bay fixture
- Excellent detection of large motion (e.g. walking) up to a 35 ft (10.76 m) mounting height
- Excellent detection of extra large motion (e.g. forklifts) up to a 45 ft (13.72 m) mounting height



## HIGH MOUNT AISLEWAY LENS

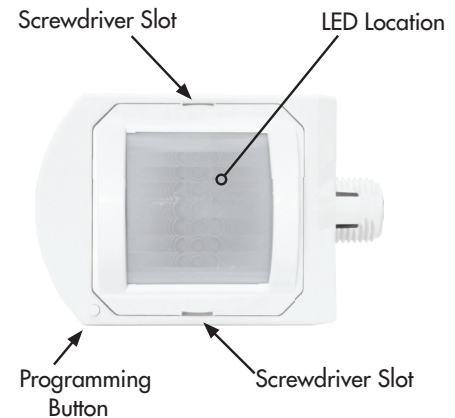


- Provides a bi-directional coverage pattern ideal for warehouse racking
- 1.2x mounting height equals approximate detection range in either direction
- Typical 40 ft (12.19 m) mounting height detects 50 ft (15.24 m) in either direction
- Superior aisleway coverage compared to a masked 360° lens

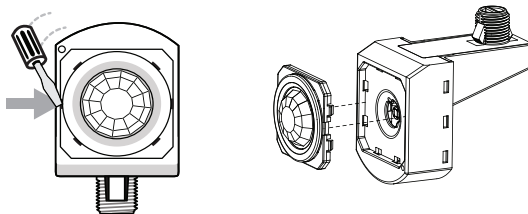


## INSTALLATION

- To mount, push the unit's threaded chase nipple through a 1/2" knockout (7/8" hole) in a fixture.
- A snap lock mechanism on the chase nipple will secure the sensor.
- To interchange lenses, pry out installed lens using a small flat screw driver inserted into one of the slots shown below
- Apply light pressure on lens frame sides to snap in new lens.
- Install lens with the most optimum coverage pattern for a particular space and application
- Masking labels are included with the high bay 360° lens to mask off a portion of its coverage pattern for end-of-aisle, or to trim the side viewing to create a rectangular pattern for center-of-aisle.
- Masking labels are included with the high bay aisle way lens to mask off a portion of its coverage pattern for end-of-aisle applications.



## REMOVING LENS



(800) 451-2606

6675 Parkland Blvd., Suite 100

Solon, OH 44139 USA

E-mail: [Venture\\_Lighting@VentureLighting.com](mailto:Venture_Lighting@VentureLighting.com)

[VentureLighting.com](http://VentureLighting.com)

PROFESSIONAL GRADE LED  
FROM THE LEADER IN HID



VENTURE  
LIGHTING