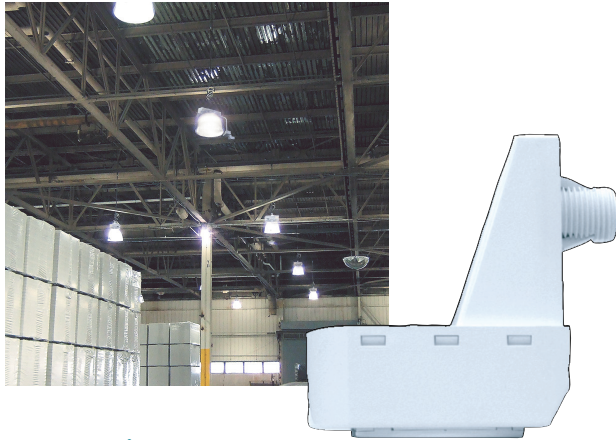




Motion-Photocell-Dimming Control Sensor



product number: PH77409

NOTE: PH77409 is Motion-Photocell and Dimming Control Sensor

features

- Integrated mounting bracket drops lens down 3" from chase nipple - no bracket accessory required
- 100% digital PIR detection - provides excellent RF immunity
- 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
- Digital push-button programming - no tools or analog adjustments required
- Non-volatile settings memory
- Convenient test mode - quickens initial walk and/or photocell testing
- Default 10 minute occupancy time delay

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.

lenses

Lenses Included: High Mount 360 (installed) & Aisleway

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

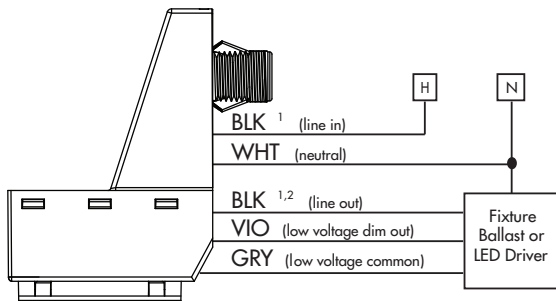
Ambient Temperature: Standard: 14-160° F (-10 to 71° C)

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

ROHS compliant: Yes

WIRING TO SINGLE PHASE POWER (120/277 VAC)

- BLACK¹ - 120/277 VAC Input
- BLACK^{1,2} - Switched Line Voltage Output to Luminaire
- WHITE - Neutral
- VIOLET - Low Voltage Dimming Output (0-10 VDC)
- GRAY - Low Voltage Common



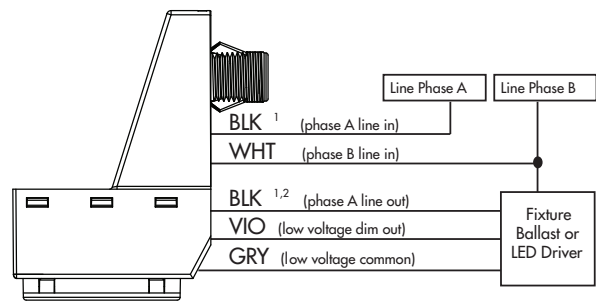
Notes

1. Black wires can be reversed
2. Disconnect and cap Black output wire going to driver/ballast if switching fixture is not required.

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

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

- BLACK¹ - 208/240 VAC Phase A Input
- BLACK^{1,2} - Switched Line Voltage Output to Luminaire
- WHITE - Phase B of 208/240/480 VAC Input
- VIOLET - Low Voltage Dimming Output (0-10 VDC)
- GRAY - Low Voltage Common



Notes

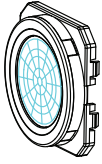
1. Black wires can be reversed
2. Disconnect and cap Black output wire going to driver/ballast if switching fixture is not required.



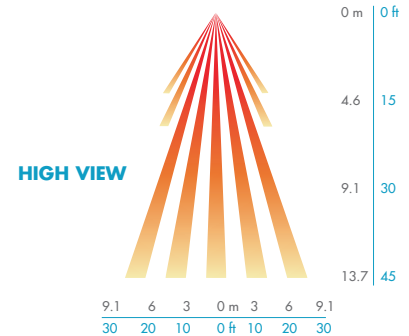
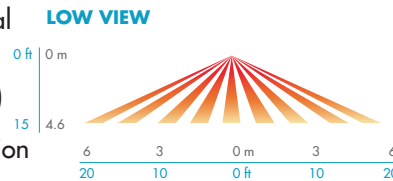
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Motion-Photocell-Dimming Control

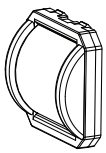
HIGH MOUNT 360° LENS



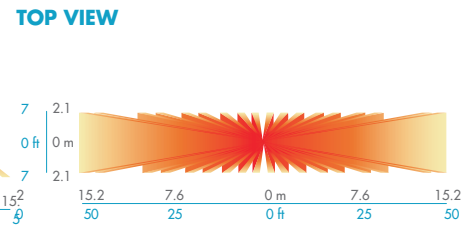
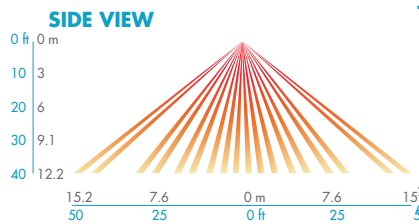
- Best choice for 15 to 45 ft (4.57 to 13.72 m) mounting heights
- 15 to 20 ft (4.57 to 6.10 m) radial coverage overlaps area lit by a typical high bay fixture
- Excellent detection of large motion (e.g. walking) up to a 35 ft (10.76 m) mounting height
- Excellent detection of extra large motion (e.g.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



HIGH MOUNT AISLEWAY LENS

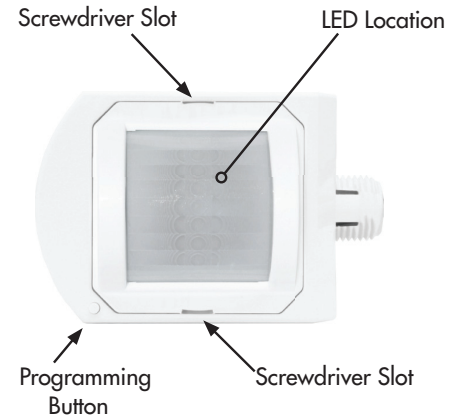


- Provides a bi-directional coverage pattern ideal for warehouse racking
- 1.2x mounting height equals approximate detection range in either direction
- Typical 40 ft (12.19 m) mounting height detects 50 ft (15.24 m) in either direction
- Superior aisleway coverage compared to a masked 360° lens

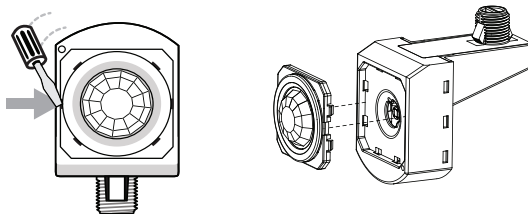


INSTALLATION

- 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



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