

High Bay/Low Bay Passive Infrared Dimming Occupancy Sensor with Day/light Sensing

- Cat. Nos. OEF-P-010VMV, OEF-P-010V-347
- Part Numbers: OEF-P-010V-347, OEF-P-010V-347, 60-001Hz, OEF-P-010V-347, 60Hz
- Load Rating (one hot leg, same phase only): 800 W tungsten load @ 120 VAC - 1200 W tungsten load @ 277 VAC
- Electronic Ballast, @ 277 VAC - 1500mA @ 347 VAC (Ballast only)
- Minimum Load: 144 Wp
- Dimmable ballasts or LED drivers only
- 0-10VDC dimmable ballasts or LED drivers only
- Sinks 20 mA maximum (~40 LED drivers/ballasts @ 0.5 per)
- Minimum Load: 1 mA

- ### WARNING AND CAUTIONS
- TO AVOID FIRE, SHOCK, OR DEATH: TURN OFF POWER AT CIRCUIT BREAKER OR FUSE AND TEST THAT THE POWER IS OFF BEFORE WIRING.
 - TO AVOID FIRE, SHOCK, DEATH, OR DAMAGE TO PROPERTY, DO NOT CONTROL A LOAD IN EXCESS OF THE SPECIFIED RATINGS. CHECK YOUR LOAD RATINGS TO DETERMINE THE UNITS SUITABILITY FOR YOUR APPLICATION.
 - IF YOU ARE NOT SURE ABOUT ANY PART OF THESE INSTRUCTIONS, CONSULT AN ELECTRICIAN.
- ### WARNING AND CAUTIONS
- TO BE INSTALLED AND USED IN ACCORDANCE WITH ELECTRICAL CODES AND REGULATIONS.
 - DISCONNECT POWER WHEN SERVICING LUMINAIRE OR CHANGING BULBS.
 - USE THIS DEVICE WITH COPPER OR COPPER CLAD WIRE ONLY.
 - DO NOT ATTEMPT TO DISASSEMBLE OR REPAIR. CLEAN OUTER SURFACE WITH A DAMP CLOTH ONLY.

INSTALLATION

FACTORY SETTINGS

Configuration	Value	Color	Description
Time Delay	10 minutes	Black	Line
Photo Eye Support	OFF	Red	Load F
Mode	DOFF 12-0	White	0-10V / Dim Out
Installed Lens	White - High Bay	Gray	0-10V - Common

LED INDICATORS

Color	Function
RED	Ballast Driver
GREEN	Divorce Failure
BLUE	Auto Calibration
YELLOW	PC Hot Off Mode
	Dial Setting Change
	Photo Eye Calibration
	Power Time
	PhotoEYE Test Mode

DESCRIPTION

Eaton Lighting Solutions OEF High Bay Occupancy Sensors are specifically designed for high mounted areas such as warehouses, manufacturing and other high bay applications. The sensor is a self-contained sensor and relay that detects motion using the passive infrared (PIR) to sense source (such as a person entering a room) within a 360° field of view for 8 ft. to 20 ft. Low Bay mounting heights are available for mounting heights up to 15 ft. The sensor is sensitive to ambient light and time-delay has expired. The daylight sensor is sensitive to ambient light and time-delay has expired. The sensor is sensitive to ambient light and time-delay has expired. The sensor is sensitive to ambient light and time-delay has expired. The sensor is sensitive to ambient light and time-delay has expired.

FEATURES

- Fixture or electrical box mounted Passive Infrared Occupancy Sensor
- Integrated PhotoCell
- Auto Calibration Delay
- Pre-set fixed color coded wire leads
- 21" length (OEF-P-010VMV) - 21" length (OEF-P-010V-347)
- 1/2" diameter mounting hole
- 0-10V Dimmable
- Partial OFF modes
- Adjustable PIR sensitivity
- Visible LED day/lighting configuration
- 360° field of view for 20 ft. to 40 ft. High Bay mounting heights
- 360° field of view for 8 ft. to 20 ft. Low Bay mounting heights
- H.I.S. (High Infrared Stability) Technology
- Robust Mechanical Latching Relays
- LED indicator light blinks when sensor detects motion, visible from long distance
- Ballast Diversion Ballast
- Rapid response to variables

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INSTALLATION

1. To change lens, turn trim ring so that the two indicated dots line up and pull out by the finger tabs (refer to Figure 6A).
2. Insert the new lens into the indicated hole and push the tabs back into the slot.
- NOTE: Mounting nipple has a "snap" feature for quick installation into round or "double D" holes, as well as a "keying" mechanism to prevent rotation after installation.
3. Slide the lock-out over the wires and thread clockwise onto the threaded nipple to secure the sensor firmly in place making sure the lens is orientated towards the area to monitor (refer to Figure 6B).
4. Connect to Wiring Diagram (see RED lead to LOAD, WHITE lead to NEUTRAL; BLACK lead to LINE (Hot)). Connect 0-10V dimming wires (Gray & Violet). Twist strands of each lead tightly and, with circuit conductors, push firmly into the terminal block. Do not over-tighten or cut wires. Insulate any conductors remaining sure that no bare wire shows below the connector.

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NOTE: The OEF is supplied with two trim ring rings - The 360 degree High Bay trim ring is used for mounting heights up to 40 feet. The 360 degree Low Bay trim ring is used for use in aisle or Low Bay applications. See below for changing lens trim ring.

To change lens, turn trim ring so that the two indicated dots line up and pull out by the finger tabs (refer to Figure 6A). At higher mounting heights, the outer beams are not visible. The sensor's field of view may be partially obstructed by the luminaire housing (refer to Figure 1A). The sensor's field of view will not be affected (refer to Figure 1B).

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