**FEATURES**

- Multiple mounting options – surface mount with threaded nipple or key hole, or recessed mount
- Quick snap nipple allows for installation into standard Double D Knockout on Luminaire without requiring a locknut
- 360 degree lenses for field of view (refer to Figure 3)
- LED indicator light blinks when sensor detects motion
- Adjustable rotating lens for optimizing sensor detection points within the FOV for the specific room
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- Adjusts the sensitivity to small movements. Turn dial clockwise to increase sensitivity to small movements.
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- Programmable settings for time delay and sensitivity
- Aisle coverage: Add included aisle mask to either lens option.
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**DESCRIPTION**

Leviton's surface mount high occupancy sensor, OSFHS-IxW, is specifically designed for high mounted areas such as warehouses, manufacturing and other high ceiling applications. It is a self-contained sensor and relay that detects motion using the passive infrared (PIR) to sense sources (such as a person entering a room) within its field-of-view (monitored space) and automatically switches lights ON. The controlled lights will remain ON until no motion is detected for the time delay selected. The sensor's high bay lens is designed for 20 ft. to 40 ft. mounting heights for a symmetrical pattern which will provide coverage of 50' to 50' diameter (refer to Figure 4). The OSFHS-IxW is designed for 8 ft. to 20 ft. mounting heights for a symmetrical pattern which will provide coverage of 30' to 50' diameter (refer to Figure 6). The Sensor is sensitive to the heat emitted by the human body. In order to initially trigger the Sensor, the source of heat must move away from the Sensor for 10-20 feet before re-approaching the Sensor.

**INSTALLATION INSTRUCTIONS**

1. **DISCONNECT POWER WHEN SERVICING LUMINARIA OR CHANGING BULBS.**
2. **CLEAN OUTER SURFACE WITH A DAMP CLOTH ONLY.**

**TO INSTALL:**

**NOTE:** The OSFHS-IxW is supplied with two lens rings. The 360 degree High Bay lens (white color rim) is installed at the factory with the Low Bay lens to provide maximum detection from the flex arm height location and add the black aisle mask (figures 5, 8). If blocking detection outside of the aisle is desired. The OSFHS-IxW can be mounted to the surface of a fixture or recess mounted internal to the fixture. It can also be mounted to the surface of a fixture or recess mounted internal to the fixture.

- 21” pre-striped color coded wire leads
- Optional peel and stick mask kit
- 20/60 Hz
- 120/277-347 Vac, 50/60 Hz
- 120/277-347 Vac, 50/60 Hz

**TROUBLESHOOTING**

- **WARNING:** TO AVOID FIRE, SHOCK, OR DEATH: TURN OFF POWER AT CIRCUIT BREAKER OR FUSE AND TEST THAT POWER IS OFF BEFORE WIRING.
- **WARNING:** TO BE INSTALLED AND/OR USED IN ACCORDANCE WITH APPROPRIATE ELECTRICAL CODES AND REGULATIONS.
- **WARNING:** IF YOU ARE NOTSURE ABOUT ANY PART OF THESE INSTRUCTIONS, CONSULT AN ELECTRICIAN.
- **WARNING:** CONTROLLING A LOAD IN EXCESS OF THE SPECIFIED RATINGS WILL DAMAGE THE UNIT AND POSE A RISK OF FIRE.
- **WARNING:** PERSONAL INJURY OR DEATH. CHECK YOUR LOAD RATINGS TO DETERMINE THE UNIT'S SUITABILITY FOR YOUR APPLICATION.
- **WARNING:** USE THIS DEVICE WITH COPPER OR COPPER CLAD WIRE ONLY.
- **OTHER CAUTIONS AND NOTES:**
  1. DISCONNECT POWER WHEN SERVICING LUMINARIA OR CHANGING BULBS.
  2. CLEAN OUTER SURFACE WITH A DAMP CLOTH ONLY.

**TO INSTALL:**

**NOTE:** The OSFHS-IxW is supplied with two lens rings. The 360 degree High Bay lens (white color rim) is installed at the factory with the Low Bay lens to provide maximum detection from the flex arm height location and add the black aisle mask (figures 5, 8). If blocking detection outside of the aisle is desired. The OSFHS-IxW can be mounted to the surface of a fixture or recess mounted internal to the fixture. It can also be mounted to the surface of a fixture or recess mounted internal to the fixture. It can also be mounted to the surface of a fixture or recess mounted internal to the fixture.

- **WARNING:** TO AVOID FIRE, SHOCK, OR DEATH: TURN OFF POWER AT CIRCUIT BREAKER OR FUSE AND TEST THAT THE POWER IS OFF BEFORE WIRING.
- The sensor comes with two lens rings. **NOTE:** Masking is provided to customize your detection area. Aisle mask can be inserted inside the lens and an optional peel and stick masking kit is included. This circular white adhesive label (red labeling information to the side) is applied to the OUTSIDE of the sensor lens. Use any number of wedges to alter field of view for your desired application.
- 3. To change lens, turn trim ring so that the two indented dots line up and pull out by the finger tabs (refer to Figure 7).
Figure 1: Surface Mount
Top View

Figure 2: Keyhole Mount
2.8 cm (0.2 cm)

Figure 3: Recessed Mount
Steel 18AWG

Figure 4: White High Bay
Top View

Figure 5: Aisle Mask
Insert aisle mask into lens assembly
(if applicable)

Figure 6: Blue Low Bay
Top View

Figure 7: Dots
Line up dots
Pull up on tab to remove 360° lens
(High Bay or Low Bay)

Figure 8: Insert aisle mask into lens assembly
(if applicable)
Line up dots and turn to set lens
Position aisle mask for application