

THE OSFHU HIGH BAY OCCUPANCY SENSOR

The OSFHU Self-Contained Sensor mounts directly to a luminaire or electrical box to provide local occupancy control for both general area or aisle way pattern detection using PIR technology with a microprocessor based digital architecture that minimizes false triggering. The OSFHU provides a trouble-free "install and forget" solution for high bay lighting control.



- **Passive infrared technology (PIR)**
- **Interchangeable lens for 360 degree and aisle way patterns**
- **Use in warehouses, manufacturing and other high ceilings**
- **Cold storage application model available**
- **Simple, fast installation**
- **Mounts directly to industrial style fluorescent luminaires**
- **20-40 ft. mounting heights**
- **120/277/347V**

DESCRIPTION

The OSFHU High Bay occupancy sensor is specifically designed for high mounted areas such as warehouses, manufacturing and other high ceiling applications. The OSFHU installs directly to an industrial fluorescent luminaire or an electrical junction box. It is a self-contained sensor and relay that turns individual light fixtures on or off based on occupancy in the detection zone. It comes with two, interchangeable lens for use in either a 360 degree general area or an aisle way and provides reliable coverage up to 40 ft. mounting heights. The OSFHU is also available in a model for cold storage applications with temperatures as low as -40°F.

The accessory offset adaptor (OSFOA-00W) snaps into a 1/2" knock out on the end of the industrial fixture to position the sensor below the fixture body and improve field-of-view for deep body fixtures.

OPERATION

Passive Infrared Technology (PIR) is used to sense occupancy by comparing the infrared energy from an object in motion and the background space. PIR sensors minimize false ON from background environmental conditions such as air movement which provides reliable detection of line-of-sight motion.

FEATURES

Fast, Simple Installation: The OSFHU Sensor is a self-contained, line voltage sensor that easily installs on individual fixtures using standard 1/2" knockouts. Simply make the electrical connections inside the ballast compartment and install the appropriate, adjustable lens assembly included and the sensor is ready. For deep body fixtures, the OSFOA positions the OSFHU Sensor flush or below the bottom of the reflector giving the Sensor full field-of-view.

Zero Crossing Circuitry: Relay uses a zero crossing circuitry to provide reliable, long-life operation.

Range and Coverage: The 360 degree PIR lens provides a 2:1 spacing to mounting height coverage under 25 ft. mounting and a 1.5:1 for heights up to 40 ft. mounting. The aisle lens is designed to provide detection of 60 ft. long by 20 ft. wide for heights up to 40 ft. mounting.

LED: Green LED indicates occupancy detection.

LEVITON SPECIFICATION SUBMITTAL

JOB NAME: <input type="text"/>	CATALOG NUMBERS: <input type="text"/>	
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Product Specifications

OSFHU-ITW OSFHU-CTW

SPECIFICATIONS

Electrical

Input Voltage: 120/277/347 VAC

Operational Frequencies: 50/60Hz

Wire Designation: Line-Black, Load-Red, Neutral-White

Load Rating:

Fluorescent: 800VA @ 120VAC
1200VA @ 277VAC
1500VA @ 347VAC } Ballast

Mounted: 1/4 HP Motor Load @ 120V

Environmental

Operating Temperature Range:

OSFHU-ITW: 14°F to 160°F

OSFHU-CTW: -40°F to +40°F

Storage Temperature Range: 14°F to 160°F

Relative Humidity: 20% to 90% non-condensing

Physical

OSFHU

Size: 3.50"H x 3.50"W x 1.25"D

Color: White

Construction: Housing is high-impact, injection molded plastic. Color coded wire leads are 42" long

Listings: UL and cUL, Photoelectric Switch, CEC Title 24 Compliant

OSFOA-00W

Size: 5.50"H x 2.00"W x 2.00"D

Color: White

Construction: Housing is high-impact, injection molded plastic

Warranty

Limited 5-Year Warranty

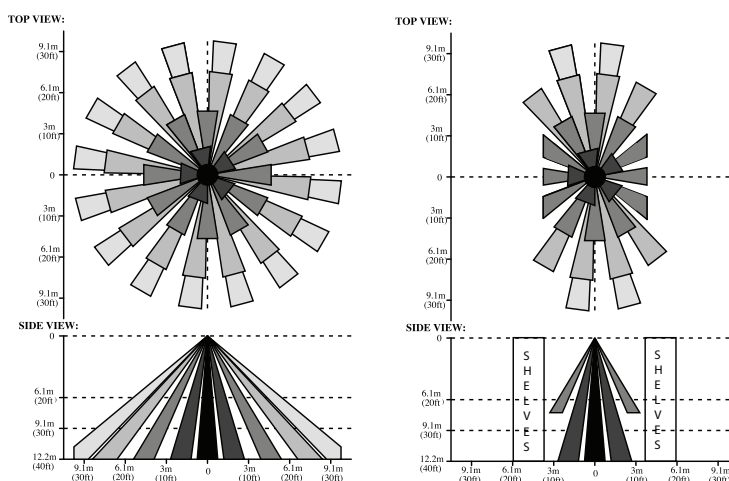
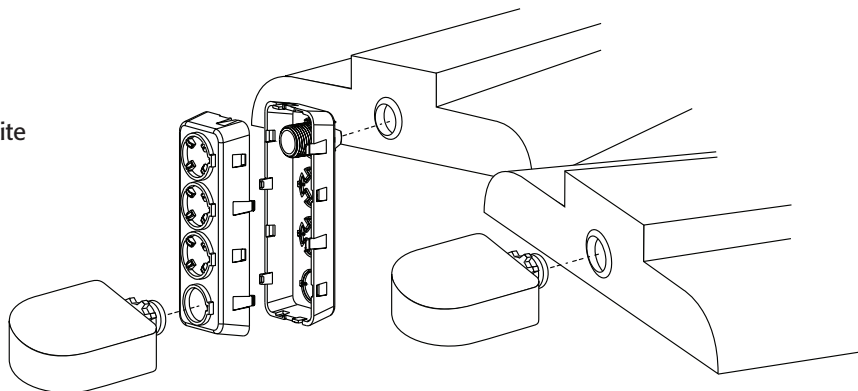
INSTALLATION

The OSFHU installs directly to an industrial fluorescent fixture or an electrical junction box through a standard 1/2" knockout using provided lock-nut. Wiring is connected inside the fixture body. For deep body fixtures, the accessory OSFOA-00W is a two piece plastic offset which installs into the fixture 1/2" knockout using the provided lock-nut. Then the OSFHU Sensor is installed in one of three, 1/2" punch-outs positioning the OSFHU at the correct field-of-view position flush or below the fixture reflector assembly. Wiring is routed through the OSFOA-00W to the fixture body for wiring.

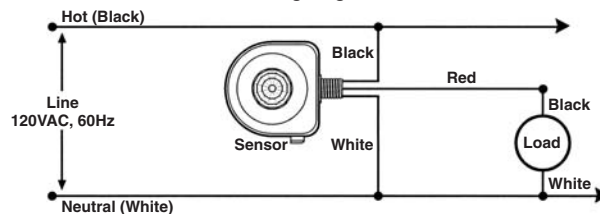
CONTROLS

Timer Setting:

30 seconds–20 minutes



Wiring Diagram



ORDERING INFORMATION

Description	Cat. No.	Color
Passive Infrared (High Bay) Occupancy Sensor	OSFHU-ITW	White
Passive Infrared (High Bay) Occupancy Sensor for Cold Storage*	OSFHU-CTW	White
Offset Adaptor Accessory for OSFHU	OSFOA-00W	White

*Consult with factory for availability.

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