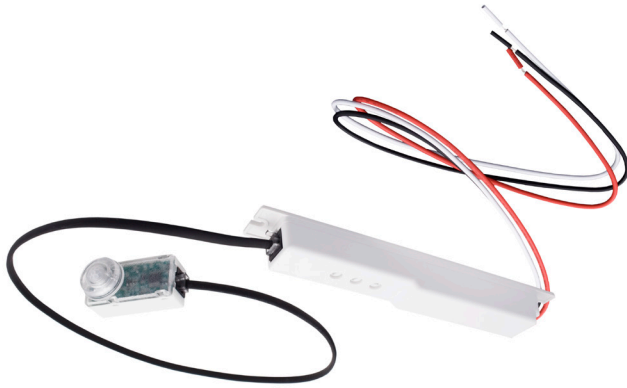


OSF10 Fixture Integrated Power Pack and Sensor Head

Energy savings for linear and task lighting fixtures



DEFINITION

Leviton's OSF10, Integral Power Pack and Sensor Head, is designed to be mounted directly into a luminaire with an integrated ambient Hold-OFF adjustable photocell for daylighting. The wiring and housing of the power pack is installed adjacent to the ballast and hidden from view behind the reflector cover. Only the PIR detector dome lens and locking ring are visible on the exterior of the fixture.

The OSF10's self-contained occupancy sensing technology offers energy savings in linear and task lighting applications. Long 36" leads make the OSF10 easy to install. With no additional wiring needed, labor, time and material costs are reduced. Once installed, only the PIR detector and ring are visible, making it aesthetically pleasing, reducing the number of devices visible in small spaces.

OPERATION

The OSF10 utilizes passive infrared (PIR) technology with Auto-ON/Auto-OFF operation and an adjustable Time Delay to detect motion within its field of view. A small semiconductor heat detector resides behind a multi-faceted optical lens, making the sensor sensitive to the heat emitted by occupants. The Fresnel lens establishes dozens of zones of detection. In order to initially trigger the sensor, the source of heat must move from one zone of detection to another. The OSF10 is most effective in sensing motion across its field-of-view.

Once the device senses motion, the sensor will automatically turn the lights ON. When motion is no longer detected, the sensor will conclude that the space is unoccupied. This will initiate the Delay Timer. If the delay timer expires and no motion is detected, the lights will turn OFF. If motion is detected, the delay timer will stop and the lights will remain ON. The integrated photocell can also be adjusted to detect the ambient light level and prevent the fixture from turning ON, maximizing energy savings.

FEATURES

- **Compact Power Pack:** fits nicely inside of ballast cavity reducing the number of devices on the ceiling or walls
- **Separate PIR Sensor Head:** low voltage connection from the power pack to the PIR head is rated for Class 2 wiring - beneficial when the PIR head is to be located outside of the fixture
- **Passive Infrared Technology (PIR):** industry proven technology for detecting motion within a space utilizing Fresnel lens
- **Fresnel Lens Technology:** specialized lens design for coverage pattern; when used with PIR, this creates a field-of-view for detecting minor and major motion
- **H.I.S. (High Inrush Stability) Technology:** zero-crossing technology extends relay life; robust mechanical latching relay for assured operation and durability
- **Field Configurable:** no power is required for setting the time delay or light level, reducing labor and callbacks
- **Time Delay:** timing between the last motion detected and when the lights turn OFF; this can be adjusted 30 seconds to 30 minutes
- **Ambient Light Override:** utilizes an internal light sensor for measuring room light level and when activated will hold light OFF for increased energy savings
- **Ample Wire Leads:** long 36" wire leads reduce wiring time by eliminating the need to splice more wire
- **LED:** a red LED is provided for visual confirmation when motion is detected

APPLICATIONS

Leviton's Integral Fixture Mount Occupancy Sensor is designed specifically for pre-wiring and installing inside of luminaire fixtures.

- Small offices
- Cubicles
- Task lighting
- Cabinet lighting
- Small bathroom lighting

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INSTALLATION

The OSF10 power pack is designed to mount directly into a light fixture. The wiring and housing of the power pack is installed adjacent to the ballast, hidden from view behind the reflector's cover. The PIR Head connects to the power pack with the provided cable assembly. The PIR head will be mounted through a 3/8" hole in the fixture and secured with clear adjustment nut.

SPECIFICATIONS

ELECTRICAL

Mounting Height: 8'
Power Consumption: <1/2W
Signal Transmission: +/-1 minute
Light Level Processing: +/-1 minute
Power Up: within 3 seconds
Warm Up Period: 30 seconds
Input Power: 120-277VAC
Operational Frequency: 50/60Hz
Wire Designation: Line-Black, Load-Red, Neutral-White
Load Rating:
Fluorescent Ballasts: 800VA @ 120VAC 1200VA @ 277VAC
Incandescent: 800W @ 120V
Motor: 1/6 HP Load @ 120V
Time Delay: 30 seconds, 10, 20, and 30 minutes
Photocell Range: 0-120 footcandles

ENVIRONMENTAL

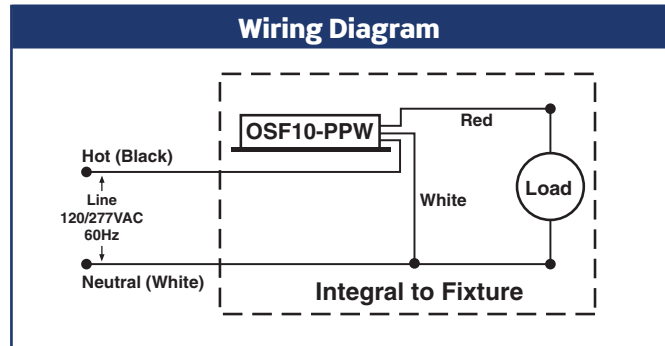
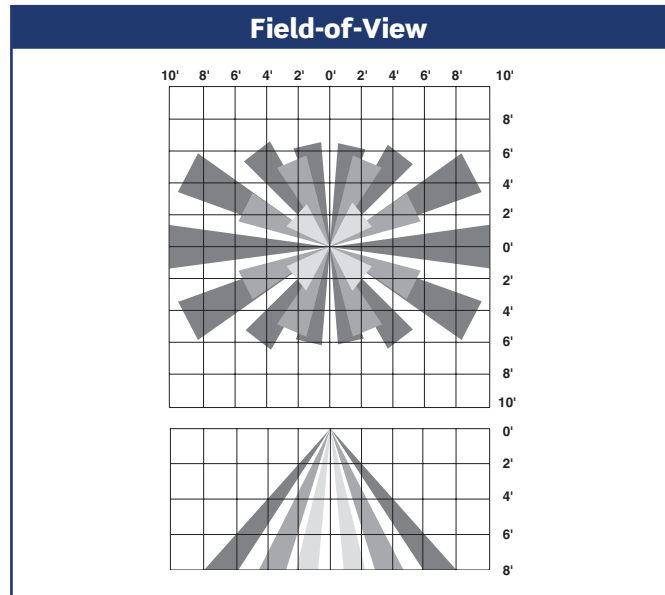
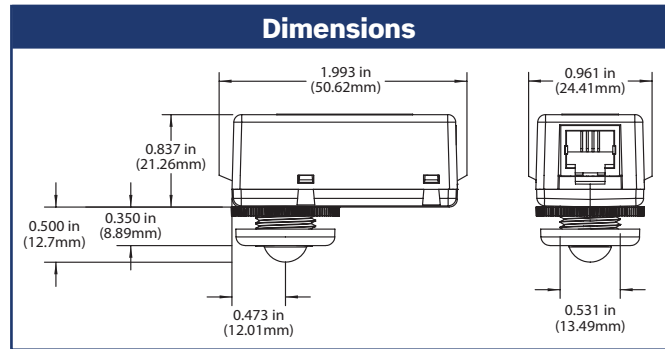
Operating Temperature Range: 0°C to 55°C (32°F to 131°F)
Storage Temperature Range: 20°C to 85°C (68°F to 185°F)
Relative Humidity: 20% to 95% non-condensing

PHYSICAL

Sensor Head: 2.3" L x 1.4" W x 1.0" H (58.4mm x 35.6mm x 25.4mm)
Power Pack: 7.5" L x 0.87" W x 1.0" H (190.5mm x 22.1mm x 25.4mm)
Cable: 36" L
Listings: UL/CUL Listed, CEC Title 24 Compliant

WARRANTY

Limited 5-Year Warranty



ORDERING INFORMATION

CAT. NO.	DESCRIPTION
OSF10-IUW	Fixture Mount PIR Sensor Head
OSF10-PPW	Fixture Mount Power Pack, 120-277V
OSFCA-36W	36" Connection Cable