LEVITON®

Passive Infrared Wideview Occupancy Sensor

BASIC OPERATION

The OSWWV-IoW is a low-voltage infrared occupancy sensor that works with the OSPxx Series power pack to automatically control lighting. By sensing moving infrared heat sources, the sensor automatically turns the lights on during occupancy, maintains lights-on and, after a time delay, turns the lights off when the space is vacated.

The sensor uses a wide view (110 degrees) lens which detects large body motions over 50 ft. away. Smaller motions such as hand movement can be detected up to 34 feet. An internal light sensor allows the user to set the daylight override level.

The mounting base, provided with the sensor, allows quick and easy mounting in corners, on walls or on ceilings using the "twist-and-lock" feature.

APPLICATIONS

- Cafeterias
- Classrooms
- Workspaces
- Copy rooms
- Open offices
- Parking garages
- Open areas
- Stairwells
- Open warehouses
- Conference rooms

FEATURES

- Fast, Simple Installation: Easy base mount, three wire connection (low voltage) and twist-lock sensor attachment.
- Flexible Base Mounting: Supplied twist-and-lock base mount permits fast alignment. Supplied cover hides mounting hardware and wires. Can be used with raceways for hard surface installations. Adjustable canopy for wall or ceiling mount.
- Wide Coverage: Over 2,500 sq. ft. of coverage at 8 foot ceiling height with 110 degree aperture.
- Custom off-white color matched for shaded ceiling/corner spaces and most common ceiling tiles.
- Power base (OPB15) available for line voltage applications.
- Self-Adjusting: Internal microprocessor continually analyzes, evaluates and adjusts the infrared sensitivity and time delay. Performance is kept at a maximum and user complaints are eliminated.
- Non-Volatile Memory: Learned and adjusted settings saved in protected memory are not lost during power outages.
- Timer Setting Feature: Automatic – 30sec – 30min. Test mode – 6sec with auto exit programming.
- Walk-Through: Provides increased energy savings by decreasing the time delay to 2.5min when someone momentarily walks through the monitored space.
- Uses OSPxx Series Power Pack: Uses Class 2, 24 volt wiring, three wire connection (low voltage). Multiple sensors can control single or multiple power packs.
- High Motion Sensitivity: The large lens area and multi-element lens design give excellent range and sensitivity.
- Ambient Light Recognition: A Light Sensor prevents lights from turning on when the room is adequately lit by natural light.
- Infrared Sensing: High sensitivity 9.8 micron sensor dual element, semiconductor type.
- Lens: 110˚ aperture, lens opening 2.2" x 1.47", 36 elements (72 zones) small motion range 31 ft, large motion 68 ft.
- Device: High-impact, injection molded plastic. Color coded wire leads are 6" long (16.24 cm).

HOW THE OSWWV-I AUTOMATICALLY ADAPTS

Condition	Example	Self-Adaptive Reaction
Timer Left In Test Mode - The sensor remains in an 6 sec. test mode.	An installer accidentally leaves the sensor in the 6 sec. timer test mode and the lights may go off or on every 6 sec.	The sensor automatically resets the timer to 10 min after 15 min of test mode.
False-On - The sensor incorrectly turns the lights on.	The sensor detects movement in the corridor or hall way and the room lights turn on.	After an initial movement is sensed, if another mov ement is not sensed within the timer setting then the delayed off time setting is automatically reduced.
False-Off - The sensor incorrectly turns the lights off.	The sensor does not detect movement because an occupant sits virtually motionless at a desk and the lights turn off.	If motion is sensed within a short period after the lights go off, then the current delayed off-time setting is increased.

Leviton Mfg. Co., Inc. Lighting & Energy Solutions
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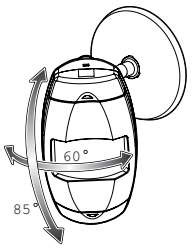
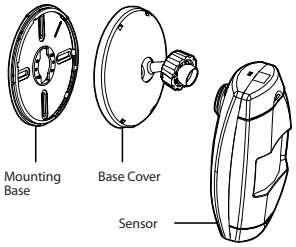
PRODUCT DATA

OSWWV-IoW

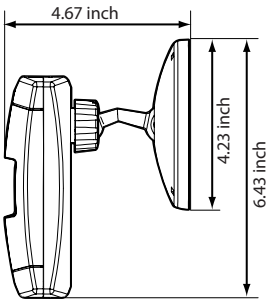
ADJUSTMENT RANGE

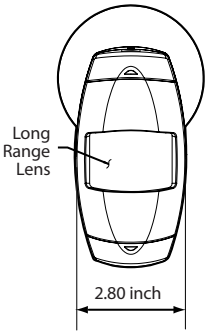


MOUNTING BRACKET



DIMENSIONS

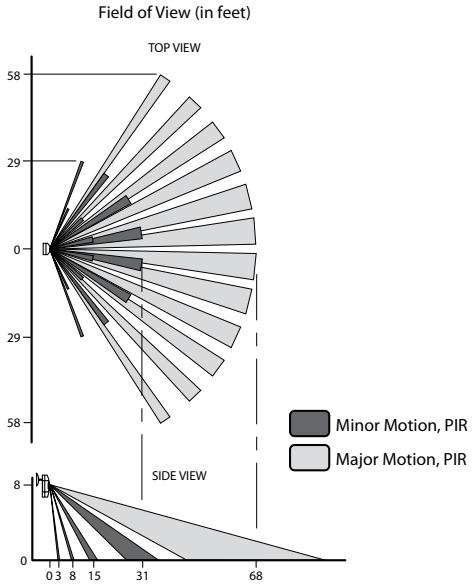




DIP SWITCH SETTINGS			
SWITCH		**SWITCH FUNCTIONS**	**SWITCH SETTINGS**
	BANK A	**OFF**	**ON**
A1	N/A	N/A	N/A
A2	N/A	N/A	N/A
A3	Manual Mode	**Auto Adapting Enabled**	Auto Adapting Disabled
A4	Walk-Thru Disable	**Walk-Thru Enabled**	Walk-Thru Disabled
	BANK B		
B1	Override to On	**Auto Mode**	Lights forced On
B2	Override to Off	**Auto Mode**	Lights forced Off
B3	Test Mode	**OFF'ON'OFF**	Enter/Exit Test Mode
B4	LED Disable	**LEDs Enabled**	LEDs Disabled

*Bold items are factory defaults

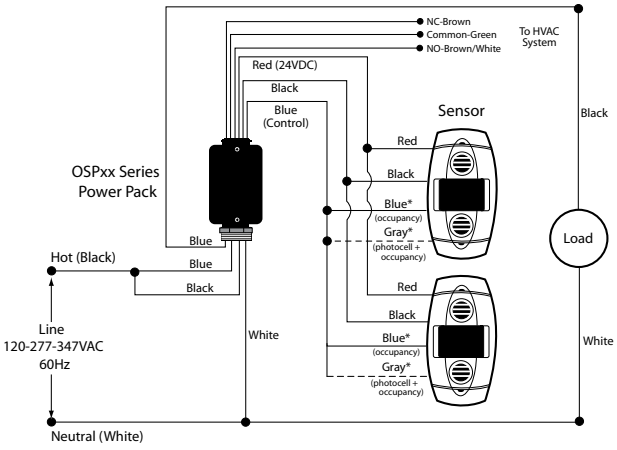
FIELD-OF-VIEW



SPECIFICATIONS

ELECTRICAL	
Power Requirements	24 VDC, 15 mA (.36W) from OSPxx Power Pack or OPB15 Power Base
Power Consumption	15mA Stand-by
Output	24 VDC active high logic control signal with short cicuit protection (blue wire). Gray wire adds Light Sensor logic.
CONTROLS	
Infrared Sensitivity	0 to 100%: red knob (factory setting: 75%)
Light Sensor	Blue knob 20 to 3,000 Lux. Factory set at 100% (Grey wire required)
Time Delay	30sec-30min; black knob (Factory setting: 10min)
INDICATORS	
Red LED	Infrared motion technology
ENVIRONMENTAL	
Operating Temperature Range	32°F to 104°F (0°C to 40°C)
Relative Humidity	0% to 95% non-condensing, for indoor use only
OTHER	
Mounting Height	8-10 feet
Listings	CUL/US Certified, meets ASHRAE Standard 90.1 and CEC Title 24 requirements
Warranty	Limited Five-Year Warranty

PHYSICAL WIRING



ORDERING INFORMATION

CAT NO.	DESCRIPTION
OSWWV-IoW	Passive nfrared Wideview Occupancy Sensor

NAFTA compliant and Made in USA models available

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