

ODS10-IDW

Occupancy Sensor, PIR, Wall Switch, 2100SF, 120-277V, White, Decora®



UPC Code : 078477010181

Country Of Origin : Please Contact Customer Service.

Available Colors :



Occupancy Sensor, PIR, AutoON/AutoOFF (ManualON/AutoOFF selectable) Lighting Control, Vandal resistant, Manual Wall Switch. Robust Single Latching 10A Relay, No-Neutral wire required, 120/208/220/230/240/277VAC, 50/60hz, Field of View 2100 sq ft (Motion: Major 60'x40'; Minor 40'x20'), Dual Pyrometers for true 180 degree view with Blinders (32 degree block on each side), Adjustable time delay between 30s-30m, Light Sensor (Photocell) included for Ambient Light Hold-Off feature. CEC Title 20/24 Compliant, UL Listed, RoHS Compliant, Wall plate sold separately. Color: White

The ODS10 uses passive infrared (PIR) detection technology to monitor a room for occupancy through a segmented Fresnel lens. This specialized lens divides the field-of-view into sensor zones. When a person passes into or out of a sensor zone, the sensor detects motion and switches the lights ON. The lights will remain ON as long as there is an occupant moving through the sensor zones.

Technical Information

Product Features

Application : Small offices, Conference rooms, Lounges, Classrooms

Color : White

Grade : Commercial

Mounting : Wall Switch

Product Line : ODS10

Sensor Technology : Passive Infrared (PIR)

Sensor Type : Occupancy

Time Delay : 30s-30m

Standards and Certifications

California Title 24 : Yes

Listings : UL listed/CSA certified, can be used to comply with ASHRAE 90.1, and Title 24, Part 6 occupancy sensing control requirements and FCC regulations, NOM certified

Performance Specifications

Coverage (Sq.Ft.) : 2100

Pattern : 180°

Electrical Specifications

Frequency : 50/60Hz

Load Rating : Fluorescent: 1200VA @ 120V 2700VA @ 277V - Incandescent: 800W @ 120V Motor: 1/4 HP @ 120V

Neutral Wire Connection : Not Required

Standby Power : 120V - 100mW, 277V - 250mW

Voltage : 120-277 VAC

Wiring : Line-Black, Load-Blue, Ground-Green, No Neutral required

Mechanical Specifications

Mounting Type : Wall Switch

Size : Height 4.06" (103.2mm), Width 1.75" (44.4mm), Depth 1.83"(47mm), Install Depth 1.35"(34.4mm), Install Height 2.60"(66.2mm)

Switch Type : Single-Pole

Environmental Specifications

Operating Temperature : 0°C to 50°C

Relative Humidity : 20% to 90% non-condensing

Storage Temperature Range : 14° to 185°F (-10° to 85°C)

Type

Product Type : Occupancy Sensor

Warranty

Warranty : 5-Year Limited

Features and Benefits

- Fits in standard wallbox and replaces single-pole wall switch. Gangable with other units.
- Low-profile design eliminates obtrusive "scanning-device" look. Elegant Decora styling complements any interior; uses Decora wallplates and coordinates with Leviton's popular line of Decora wiring devices.
- 180° field-of-view provides approximately 2100 square feet of coverage suitable for small offices, conference rooms, classrooms, lounges and a variety of

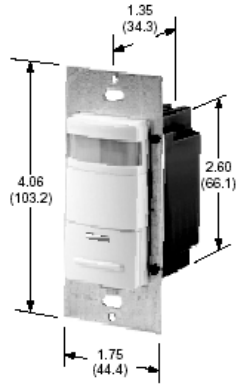
commercial areas.

- Convenient pushbutton provides manual-ON/OFF light switching at any time.
- Two dual element PIR sensors used to widen detection range.
- Segmented Fresnel lens provides optimum sensitivity and performance. Designed with an extensive "minor motion" area where even slight body movements will be detected.
- Vandal resistant PIR lens.
- Horizontal field-of-view may be adjusted between 180° and 60° of arc by using integral blinders located on either side of the lens. No masking tape required.
- Manual-ON/auto-OFF mode for installations where manual-ON switching is required but auto-OFF switching is still desired for CEC Title 24 energy savings.
- To comply with T24, red LED indicator light flashes when sensor detects motion to verify detection is active.
- Time Delay adjustment for delayed-OFF time set-tings of 30 seconds (for walking test), 10 minutes, 20 minutes, and 30 minutes. Allows customized adjustments to maximize energy savings.
- Light Sensor Adjustable Ambient Light Override ranges from approximately 2 foot-candles (20 lux) to 500+ foot-candles (5000+ lux) to prevent lights from turning ON automatically during periods of ample natural light, increasing energy savings.
- Light sensor enables the load hold-OFF feature once level has been set.
- Vacancy confirmation - when the time out expires and the lights turn OFF a 30 second vacancy confirmation exists to turn the lights back ON.
- False detection circuitry.
- Presentation Mode feature for slide or film presentations allows push buttons to turn lights OFF and keep them OFF while the room is occupied.
- One unit can be used for 120V through 277V lighting. Compatible with both electronic and magnetic ballasts.
- Relay switches at the zero crossing point of the AC power curve to ensure maximum contact life and compatibility with electronic ballasts.
- Exclusive Leviton H.I.S. Circuitry. Specifically designed to handle today's high inrush electronic ballast loads and offer unmatched durability and service.
- No neutral design is optional for retrofit applications.

Patents*

US6031750

*This list is provided for patent marking purposes only. A good faith effort is made to maintain the accuracy and completeness of this list. No legal inference should be drawn from the omission of a patent from this list.



SPECIFICATION SUBMITTAL

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