

## ODS10-IQI



Color:  Ivory

UPC Code: 07847755352  
Country Of Origin: Mexico

\*Eligible for ARRA funded projects > \$7,443,000



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## ODS10-IQI

### Brand Features

The ODS10-IQ 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 automatically switches the lights ON.

Lighting will remain ON for the specified time-delay after the sensor motion is detected; an occupant moving through the sensor zones resets the time-delay to keep the lights ON. Once the specified timedelay has expired, the sensor will automatically turn the lights OFF.

### Item Description

Product Line: ODS10, Auto-ON/Auto-OFF Only: Yes, Technology: Passive Infrared, Switch Type: Single-Pole, Mounting: Wall Switch, Device Type: Occupancy Sensor, Coverage (Sq.Ft.): 2100 Sq. Ft., Voltage: 120/277 Volt AC 60Hz, Pattern: 180°, Color: Ivory, Neutral Wire Connection: Not Required, Warranty: 5-Year Limited

### Where To Buy

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### Technical Information

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#### Product Features

**Product Line:** ODS10  
**Technology:** Passive Infrared  
**Auto-ON/Auto-OFF Only:** Yes  
**Switch Type:** Single-Pole  
**Mounting:** Wall Switch  
**Device Type:** Occupancy Sensor  
**Grade:** Commercial  
**Coverage (Sq.Ft.):** 2100 Sq. Ft.  
**Pattern:** 180°  
**Mounting Height (Ft.):** 4 Ft.  
**Adjustment:** Manual  
**Time Delay:** 30s-30m  
**Voltage:** 120/277 Volt AC 60Hz  
**Load Rating:** 800W@120V INC  
1200VA@120V 2700VA@277V FL  
**Motor:** 1/4 HP @ 120V  
**Power Pack:** External Power Pack  
Not Required  
**Consumption (mA):** N/A  
**Photocell:** Internal  
**HVAC Relay:** N/A  
**Operating Temperature:** -10C to  
+55C  
**Storage Temperature Range:** -10°C  
to 85°C

**Relative Humidity:** 20% to 90%  
non-condensing

**Neutral Wire Connection:** Not  
Required

**Color:** Ivory

**LED Color:** Red

**Wallplate:** Order Separately

**Standards and Certifications:**  
UL/cUL

**Code Compliance:** California Title  
24

**Size:** 4.06" H x 1.75" W x 1.85" D  
(103.2mm x 44.4mm x 47.2mm)

**Warranty:** 5-Year Limited

## Features and Benefits

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- Fits in standard wallbox and replaces single-pole wall switch. Gangable with other units.
- Low-profile design eliminates obtrusive “scanning-device” look. Elegant Decora wallplates complement any interior for sleek aesthetics; 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.
- 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.
- Red LED indicator light flashes when sensor detects motion to verify detection is active.
- Time Delay adjustment for delayed-OFF time settings of 30 seconds (for walking test), 10 minutes, 20 minutes, and 30 minutes. Allows customized adjustments to maximize lamp life and 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.
- 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.

## Support

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Dimensional Data

Instruction Sheet

Instruction Sheet - French

Installation Sheet - Spanish

Product Specification and Data Sheet

Reference - Occupancy Sensor Technology Intro

Application Note - Changes in Title 24

Application Note - Energy Policy Act of 2005

Application Note - IECC VS ASHRAE 90.1-2001

Application Note - IRS AND ENERGY MANAGEMENT OFFICIAL STATEMENT

Application Note - How Leviton is Ready to Help You Achieve Leed Points

Application Note - ADA and FDA Ultrasonic and MultiTechnology

Technical Article - PIR and US Occupancy Sensor Technologies

Technical Article - Microphonics and Occupancy Sensors

Technical Article - Occupancy Sensors and Fluorescent Lamp Life

Specification (AIA) - Occupancy Sensors

Compliance Letter - NAFTA

## Videos

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### **Decora**

#### Leviton Decora® Devices





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