LEVITON®

Smart PIR Wall Switch Sensor

PIR Lens & Nightlight
Microphonics

Photocell & LED Locator Light

ON/OFF Button

Program by Pressing Button (per install instructions)
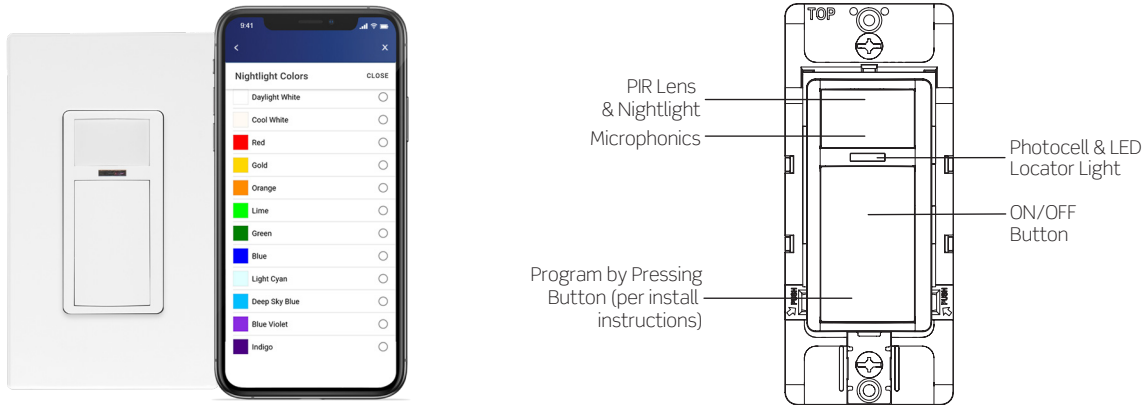
Description

The Leviton Smart Wall Switch Occupancy Sensor (ODS15-xxx) uses Passive Infrared (PIR) detection technology to monitor a room for occupancy using a segmented, tamper resistent lens. A specialized lens divides the field-of-view into sensor zones. When a person passes in or out of a sensor zone, the sensor detects motion and switches the lights ON. The lights will remain ON as long as an occupant is moving through the sensor zones. The ODS15-xxx's vacancy mode features manual-ON/auto-OFF for installations where manual-ON switching is required for energy code applications. A "minor motion" zone detects small body movements allowing the lights to stay ON even though a person may not be moving or walking around the room. The "major motion" zone, exhibits a lesser degree of sensitivity and requires larger movements.

Configuration of the ODS15-xxx is made using the Leviton Smart Sensor App from a smartphone or other Bluetooth®-enabled Android or iOS device. Simple configuration can also be applied using pushbutton setup for several popular pre configured options. The ODS15 integrates a photocell for daylighting hold-OFF which can be programmed using the Leviton Smart Sensor App.

Applications

- Office
- Small Lobbies
- Meeting Rooms
Single Occupant Restrooms

Features

- Can be used to comply with ASHRAE 90.1, IECC, and 2025 Title 24, Part 6 occupancy/vacancy sensing, dimming, and manual-ON/auto-OFF requirements
- Fits in a standard wallbox and gangable with other units
- Use the Leviton Push to Pair (P2P) process to create a multi-way system for up to 5 devices
- Controls LED lighting loads up to 10A
- One relay module for single-level switching
- 180° field-of-view provides approximately 1,100 square feet of coverage
  - Latest PIR technology accurately detects minor motion up to 400sq ft and major motion up to 1,100 sq ft
  - Maximum sensing distance in front of the sensor is 30-40 feet and 15-20 feet on either side
- Integrated photocell for daylighting hold-OFF
- Advanced configuration can be performed using the Leviton Smart Sensor App on any Bluetooth-enabled Android or iOS device:
  - Set the operating mode for Occupancy (auto-ON/auto-OFF) or Vacancy (manual-ON/auto-OFF)
  - Adjust sensitivity and timeouts
  - Enable the integrated photocell for daylighting hold-OFF and select target daylighting hold-OFF levels
  - Activate the nightlight and select nightlight color
  - Set a security code to lock configuration settings
- Out-of-the-box configuration default mode:
  - Auto-ON/Auto-OFF with 10-minute timeout
  - Sensitivity set to 75%
  - Nightlight and daylighting disabled
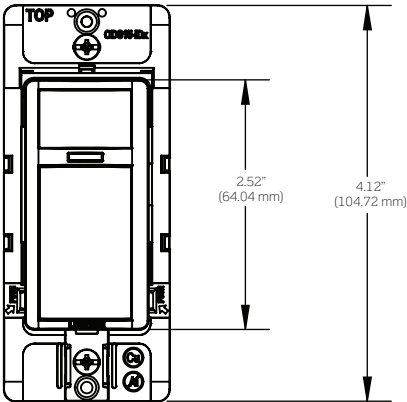
Product Data
ODS15-xxx

Features (continued)
- Convenient pushbutton hold configuration for installers without a smart device*:

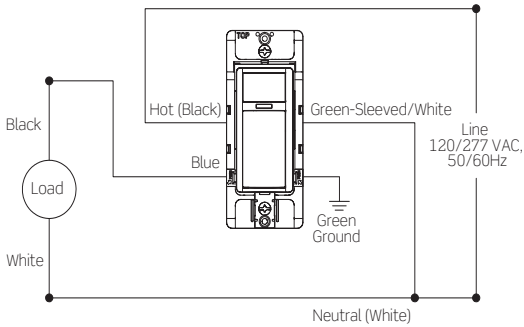| Pushbutton Hold Configuration			
Button (#)	Operating Mode	Sensitivity (%)	Time Out (mins)
1	Auto-ON/ Auto-OFF	75	10
2			20
3		100	10
4			20
5	Manual-ON/ Auto-OFF	75	10
6			20
7		100	10
8			20

*Requires removal of front face cover

Wiring Diagram—Neutral
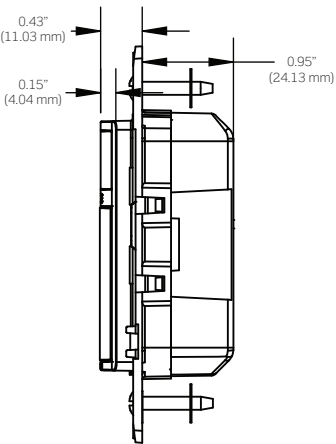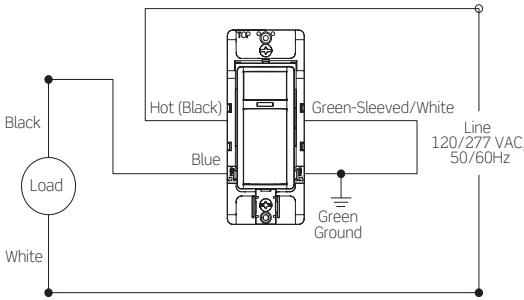

Wiring Diagram—No Neutral

Dimensions Diagrams

Front View

Side View
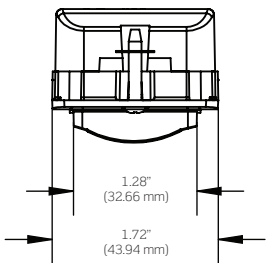
Top View

Field of View Diagram

Major motion coverage 1100ft^2 (102m^2)

Minor motion coverage 400ft^2 (37.2m^2)

Horizontal Beam Diagram

Vertical Beam Diagram
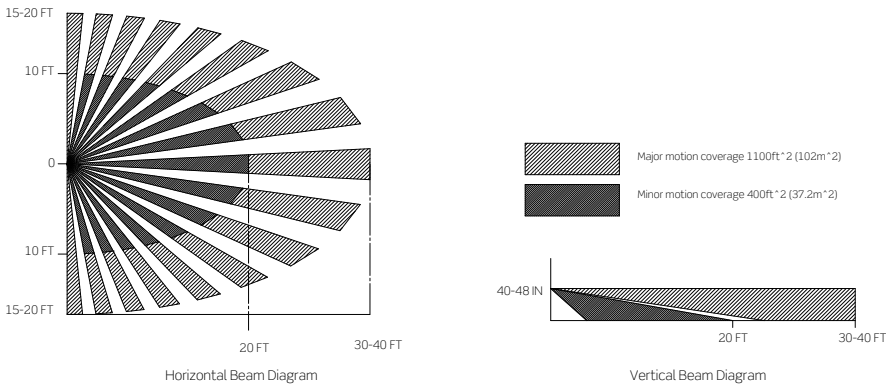
Specifications

Electrical	
Input Voltage/Frequency	
120-277VAC	50/60Hz
120VAC	60Hz
Input Current	
120V	Standby: 0.2W Max: 0.5W+Load Current
277V	Standby: 0.3W Max: 0.6W+Load Current
Load Ratings	
LED/Electronic Ballast @ 120V	10A
LED/Electronic Ballast @ 277V*	
Standard Ballast @ 120V	
Standard Ballast @ 277V	
Tungsten @ 120V	6.67A
Tungsten @ 277V	
Motor @ 120V	1/4HP (FLA 5.8A)
Motor @ 277V	1/3HP (FLA 3.0A)
IP Rating	IP20
Network Connections	BLE 4.2, BLE 5.0
Environmental	
Operating Temperature	32 to 104°F (0 to 40°C)
Storage Temperature	-40 to 185°F (-40 to 85°C)
Physical	
Dimensions	4.12" x 1.72" x 1.38" (104.72mm x 43.94mm x 35.05mm)
Other	
Energy Codes	Can be used to comply with ASHRAE 90.1, IECC, and 2025 Title 24, Part 6 occupancy/vacancy sensing, dimming, and manual-ON/auto-OFF requirements
Listings	IECC, UL and cUL listed; JIS Z 2801:2000
Certifications	FCC, ICC
Warranty	Limited five-year warranty

*Only applicable to ODS15-IDW/IDI

Ordering Information

Smart Wallbox Sensors	
Cat. No.	**Description**
ODS15-IDW	Smart PIR Wallbox Sensor, Antimicrobial, App configurable; Auto-ON/Auto-OFF or Manual-ON/Auto-OFF, neutral wire required, 120-277VAC, 50/60Hz; White
ODS15-IDI	Smart PIR Wallbox Sensor, Antimicrobial, App configurable; Auto-ON/Auto-OFF or Manual-ON/Auto-OFF, neutral wire required, 120-277VAC, 50/60Hz; Ivory
ODS15-GHW	Smart PIR Wallbox Sensor, Antimicrobial, App configurable; Auto-ON/Auto-OFF or Manual-ON/Auto-OFF. No neutral wire require. Retail-friendly 3-pack packaging. 120-277VAC, 50/60Hz; White
DOSKT-00E	Smart Switching Wallbox Sensor Color Change Kit, Black
DOSKT-00B	Smart Switching Wallbox Sensor Color Change Kit, Brown
DOSKT-00G	Smart Switching Wallbox Sensor Color Change Kit, Gray
DOSKT-00I	Smart Switching Wallbox Sensor Color Change Kit, Ivory
DOSKT-00T	Smart Switching Wallbox Sensor Color Change Kit, Light Almond
DOSKT-00W	Smart Switching Wallbox Sensor Color Change Kit, White

LES-G-10401H/E25-aa
REV MAY 2025