

# Wireless Infrared Occupancy Sensors

**Wireless Passive Infrared (PIR) sensors for use with the WSS10 Wireless Wall Switch Receiver and WSS0S Wireless Self-Powered Remote Switch**



- Auto-ON/Auto-OFF and Manual-ON/Auto-OFF modes
- No additional wiring required
- No external power required
- Self-powered occupancy sensor
- Features small range adjustment on occupancy sensor technology
- Walk-thru feature
- Simple, fast installation
- Ceiling mount

## DESCRIPTION

The Leviton line of Wireless Occupancy Sensors (WSCxx-IoW) work in conjunction with the Wireless Wall Switch Receiver (WSS10-xDx) and the Wireless Self-Powered Remote Switch (WSSoS-Pox). These wireless products combine Leviton's occupancy sensing technology with self-powered and wireless technologies, developed and licensed from EnOcean®.

The Wireless Occupancy Sensors have a built-in solar cell that draws on available room light to power itself and can operate for up to 48 hours without the need for batteries or external power in standard manual-ON/Auto-OFF mode. Batteries are required for continuous uninterrupted Auto-ON operation.

The sensors use a small detector located directly behind a unique multi-zone optical lens. This exclusive Fresnel lens establishes dozens of zones of detection, which can be configured (manual masking) to block out unwanted traffic zones (i.e. outside hallway traffic). The sensors

respond to any source of heat within the range of detection, including the heat emitted by the human body, however, the sensor is only triggered when the source of heat moves from one zone of sensing to another. Stationary heat sources will not trigger the sensor.

## APPLICATIONS

Leviton's line of Wireless products are the ideal solution for retrofits and new construction, installation is quick and easy with no additional wiring required. Simply replace the existing wall switch with Leviton's Wireless Wall Switch Receiver, attach the occupancy sensor and the installation is complete.

- Retrofits
- New construction
- Conference rooms
- Classrooms
- Private offices
- Executive offices
- Restrooms
- Daycare facilities

WSC04-I0x • WSC15-I0x

## Leviton Mfg. Co., Inc. Lighting Management Systems

## PRODUCT DATA



### FEATURES

- **No Additional Wiring:** Wireless Occupancy Sensors communicate with the Wall Switch Receiver and Self-Powered Remote Switch via wireless technology, eliminating the need to pull any additional wire
- **Auto-ON and Manual-ON Options:** occupancy sensors are shipped in Manual-ON/Auto-OFF default mode from the factory. Three AAA batteries are required to enable the continuously uninterrupted Auto-ON/Auto-OFF mode
- **Up to 48 Hours of Stored Power:** solar panel provides up to 48 hours of power to the occupancy sensor when no ambient light is available
- **Exclusive Walk-Thru Feature:** provides increased energy savings by not leaving the lights on for an extended period after momentary occupancy
- **All Digital Circuitry:** uses minimum components for maximum reliability and low cost

#### ENVIRONMENTAL

Operating Temperature Range	32°F to 104°F (0°C to 40°C)
Storage Temperature Range	32°F to 104°F (0°C to 40°C)
Relative humidity	0% to 95%, non-condensing
Usage	Indoors only

#### OTHER

Listings	CEC Title 24 Compliant, FCC Certified for wireless communication
Warranty	Limited 5-year

### ORDERING INFORMATION

CAT. NO.	DESCRIPTION
WSC04-l0W	Wireless Self-Powered PIR Occupancy Sensor, 450SF
WSC15-l0W	Wireless Self-Powered PIR Occupancy Sensor, 1500SF

The following components are also part of the Leviton Wireless Occupancy Sensor Line:

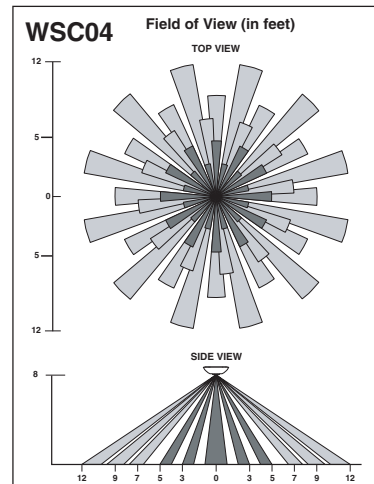
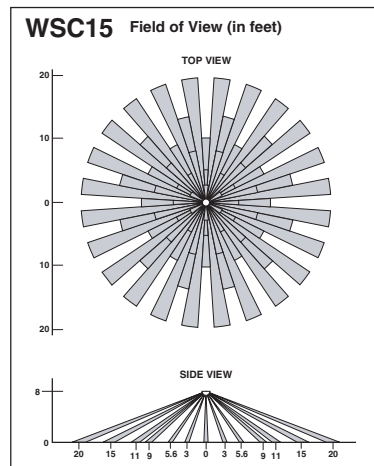
- Wireless Wall Switch Receiver: WSS10-oDx
- Wireless Wall Switch Receiver, Non-Neutral: WSS10-GDx
- Wireless Self-Powered Remote Switch: WSSoS-Pox



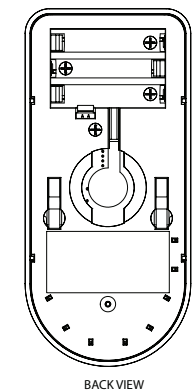
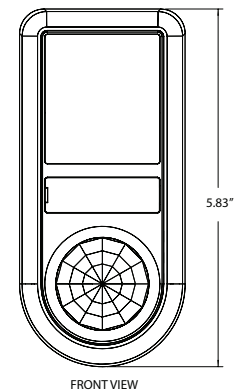
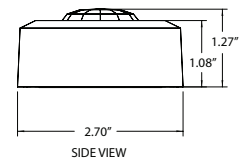
**enocean alliance**

No Wires. No Batteries. No Limits.

### FIELD-OF-VIEW



### DIMENSIONS



### LEVITON SPECIFICATION SUBMITTAL

JOB NAME:	CATALOG NUMBERS:
JOB NUMBER:	

### Leviton Manufacturing Co., Inc. Lighting Management Systems

20497 SW Teton Avenue, Tualatin, OR 97062

Telephone: 1-800-736-6682 • FAX: 503-404-5594 • Tech Line (6:00AM-4:00PM P.S.T. Monday-Friday): 1-800-959-6004

### Leviton Manufacturing of Canada, Ltd.

165 Hymus Boulevard, Pointe Claire, Quebec H9R 1E9 • Telephone: 1-800-469-7890 • FAX: 1-800-563-1853

### Leviton S. de R.L. de C.V.

Lago Tana 43, Mexico DF, Mexico CP 11290 • Tel. (+52) 55-5082-1040 • FAX: (+52) 5386-1797 • www.leviton.com.mx

Visit our Website at: [www.leviton.com/lms](http://www.leviton.com/lms)

© 2008 Leviton Manufacturing Co., Inc. All rights reserved. Subject to change without notice.

G-8108/L8-ak