

# Wireless Wall Switch Receiver and Self-Powered Remote Switch

## Wireless Wall Switch Receiver and Self-Powered Remote Switch for use with the WSCxx Wireless Occupancy Sensors



- Wall Switch Receiver and Self-Powered Remote Switch fit in a standard single-gang wall box
- Self-Powered Remote Switch can be used for three-way switch solution
- No additional wiring required
- Auto-ON/Auto-OFF and Manual-ON/Auto-OFF modes with Wireless Occupancy Sensor
- Compatible with incandescent, fluorescent and low-voltage lighting
- Compatible with electronic and magnetic ballasts
- Simple, fast installation
- Decora-style switch
- Neutral and non-neutral Wall Switch Receiver models available

### DESCRIPTION

The Leviton line of Wireless Wall Switch Receivers (WSS10-0Dx and WSS10-GDx) work in conjunction with the Wireless Occupancy Sensors (WSCxx-l0W) and the Wireless Remote Switch (WSSoS-P0x) to provide an optimal solution for retrofit lighting needs. These wireless products combine Leviton's switching technology with self-powered and wireless technologies, developed and licensed from EnOcean®. The Wall Switch Receiver can be installed in place of traditional single-pole wall switches and fits in a standard single-gang wall box. No additional wiring is required.

These components are compatible with incandescent, fluorescent and low-voltage lighting. The Receiver responds to signals from the Wireless Occupancy Sensor, automatically shutting off lights when the room is vacant. Lights are automatically activated upon entry in Auto-ON mode with the Wireless Occupancy Sensor. The Receiver also features a single manual-override switch that can be used to toggle the ON/OFF status of the light load while an area is occupied.

The Wireless Remote Switch is self-powered (no batteries required), drawing on kinetic energy to charge itself each time the button is pushed. The Remote Switch can be used to control lights from multiple locations. It can also be used for a convenient three-way switch solution, eliminating the need to pull additional wiring.

### 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       |
| • Lounges                                                         | • Private offices  |
| • Executive offices                                               | • Restrooms        |
| • Daycare facilities                                              | • Multimedia areas |
| • Three-way switch application (WSSoS-P0x Wireless Remote Switch) |                    |

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

20497 SW Teton Avenue, Tualatin, OR 97062 1-800-736-6682 Tech Line: 1-800-959-6004 Fax: 503-404-5594 [www.leviton.com/lms](http://www.leviton.com/lms)  
 © 2008 Leviton Manufacturing Co., Inc. All rights reserved. Subject to change without notice.

WSS10-0Dx • WSS10-GDx • WSSoS-P0x

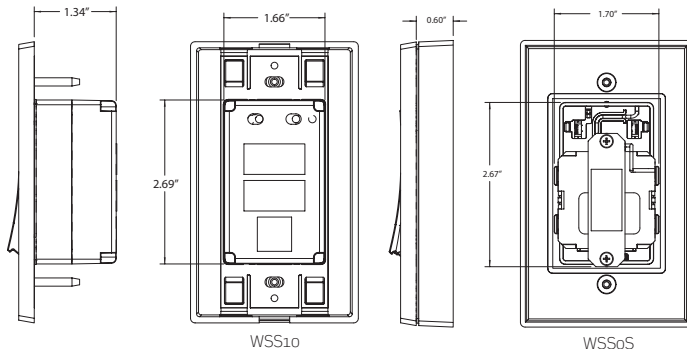
## PRODUCT DATA



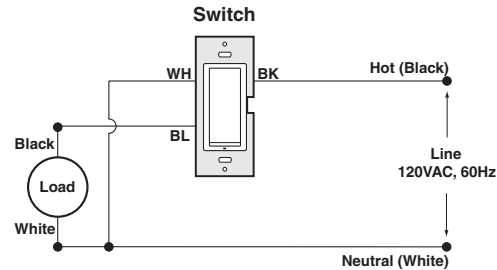
### FEATURES

- **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.
- **Manual ON/OFF Switching:** provides push-button manual ON/OFF light switching of each light load at any time.
- **Maximize Energy Savings:** optional manual adjustment for delayed-OFF time settings of 2 (for walking test), 10 minutes, 20 minutes, and 30 minutes. Allows customized adjustments to maximize energy savings. Manual-ON/Automatic-OFF mode for installations where manual-ON switching is required but automatic OFF switching is still desired for energy savings.
- **Viewing Mode:** allows push buttons to turn lights OFF and keep them OFF even when room is occupied (i.e.: for slide or film presentations).
- **Walk-Thru Feature:** provides increased energy savings by not leaving the lights on for an extended period after momentary occupancy.
- **Standard Size for Seamless Installation:** Wall Switch Wireless Receiver fits in a standard singlegang wall box and replaces two single-pole wall-switches for fast and easy installation. Neutral and non-neutral models available.
- **True Zero-Cross Relay:** switches at the zero crossing point of the AC power curve to ensure maximum contactor life and compatibility with electronic ballasts.
- **All Digital Circuitry:** uses minimum components for maximum reliability and low cost.

### DIMENSIONS



### WIRING DIAGRAM FOR WALL SWITCH RECEIVER



### ELECTRICAL (WSS10 models only)

Input Voltage	120-277V, 50-60Hz
Operational Frequency	50-60Hz
Load Rating	Incandescent 800W @ 120V Fluorescent Ballasts: 1200VA @ 120V, 2700VA @ 277V Motor: 1/4 HP Load @ 120V
Wire Designation	Line-Black, Load-Red Neutral-White (WSS10-ODx models only)

### 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, C-ETL/ETL Listed to UL508, FCC Certified for wireless communication
Warranty	Limited 5-year

### ORDERING INFORMATION

CAT. NO.	DESCRIPTION
WSS10-0Dx	Wireless Wall Switch Receiver
WSS10-GDx	Wireless Wall Switch Receiver, Non-Neutral
WSS0S-P0x	Wireless Self-Powered Remote Switch

\* x = (W) White, (I) Ivory, (A) Almond, (T) Light Almond, (G) Gray, (E) Ebony

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

- Wireless Self-Powered PIR Occupancy Sensors  
450SF: WSC04-l0W & 1500SF: WSC15-l0W

### 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-810g/L8-ak