LEVITON®

LevNet RF Wireless Self-Powered Solutions
Remote Switches

Single Push ON/OFF Remote Switch

Rocker Switch

3 x 3 Rocker Switch

Handheld 4-Button Remote

Hotel Key Card Switch

Thermostat

Wireless self-powered technology means no new wiring is required. Leviton LevNet RF Wireless Self-Powered Solutions are easy to install and maintenance-free, saving ongoing labor and material costs while saving energy.

EnOcean® technology allows energy harvesting LevNet RF Transmitters to operate indefinitely without the use of batteries. The motion of a switch actuation, light on a solar cell, or temperature differentials in the environment provide power to LevNet RF Transmitters, allowing zero-maintenance wireless devices. The LevNet RF line includes multiple products that operate in the uncrowded 315MHz band offering greater transmission range (50-150 feet) than other wireless technologies and minimal competitive traffic.

enocean®alliance
No Wires. No Batteries. No Limits.

LevNet RF Remote Switches can control an unlimited number of LevNet RF Receivers that are in range. LevNet RF Remote Switches use no wires or batteries. Pressing the switch or inserting a hotel key card into a switch provides the energy to transmit a wireless signal that controls lights or other devices connected to LevNet RF Receivers. Wireless Switches are primarily used to control lights in businesses or homes, but they can be used to control virtually any on/off device.

Each Wireless Self-Powered Remote Switch can be placed anywhere within range of a Receiver. Traditionally the Remote Switch is surface mounted on a wall with screws or industrial tape, but can also be used in a standard switch box or as a wireless handheld remote. The unique ID of each Switch activates only the intended Receiver(s). Wireless, self-powered technologies make them the ideal solution for retrofits and new construction; installation is quick and easy with no additional wiring required. It takes only minutes to install and configure.
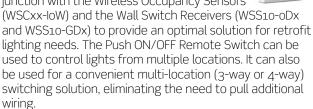
APPLICATIONS
- Retrofits
- New construction
- Multi-location (3-way or 4-way) switching applications
- Conference rooms
- Classrooms
- Lounges/Lobbies
- Private offices
- Executive offices
- Restrooms
- Daycare facilities
- Multimedia areas

LevNet RF Remote Switches

PRODUCT DATA

SINGLE PUSH ON/OFF REMOTE SWITCH (WSS0S-P0X)

Leviton Wireless Self-Powered Push ON/OFF Remote Switches (WSS0S-P0X) work in conjunction with the Wireless Occupancy Sensors (WSCxx-I0W) and the Wall Switch Receivers (WSS10-0Dx and WSS10-GDx) to provide an optimal solution for retrofit lighting needs. The Push ON/OFF Remote Switch can be used to control lights from multiple locations. It can also be used for a convenient multi-location (3-way or 4-way) switching solution, eliminating the need to pull additional wiring.

SINGLE ROCKER DECORA™ SWITCH (WSS0S-D0X)

DUAL ROCKER DECORA™ SWITCH (WSS0S-D2X)

3 X 3 SINGLE ROCKER SWITCH (WSS0S-E0W/WSS0S-E0B)

3 X 3 DUAL ROCKER SWITCH (WSS0S-E2W/WSS0S-E2B)

Control one light or one group of lights with the Wireless Self-Powered Single Rocker Switch. One switch can control an unlimited number of LevNet RF Receivers that are within range.

Control two lights or two groups of lights with the Wireless Self-Powered Dual Rocker Switch. Each rocker can separately control an unlimited number of LevNet RF Receivers that are within range.

FEATURES
- **Manual push button ON/OFF switching:** provides remote control for push button manual-ON/OFF light switching of each light load at any time (WSS0S-P0X)
- **Rocker style ON/OFF switching:** provides remote control for manual-ON/OFF light switching of each light load at any time; top button = ON, bottom button = OFF (WSS0SD0X, WSS0S-D2X, WSS0S-E0X, and WSS0S-E2X)
- **Convenient multi-location (3-way or 4-way) switching:** mount Switches anywhere, create 3-way or 4-way switches, control lights, motors, or other electrical loads, and reconfigure or relocate as needed
- **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)
- **Save energy:** create manual-ON/auto-OFF controls using LevNet RF Switches and occupancy sensors or by programming all lights to respond to a single master switch
- **Simple wireless control:** mount Switches anywhere, create 3-way and 4-way switches, control lights, motors, or other electrical loads, and reconfigure or relocate as needed
- **Control the way you want it:** use with multiple line voltage or low voltage LevNet RF Receivers, control an unlimited number of LevNet RF Receivers within range for wireless dimming or ON/OFF control

HANDHELD 4-BUTTON REMOTE (WSS0S-R0W)

Control two lights or two groups of lights with the Handheld Remote. Each rocker can separately control an unlimited number of LevNet RF Receivers that are within range.

The Remote has four buttons - programmable to control up to four individual Receivers or dependent groups. Small enough to fit in the palm of your hand, you can also keep it in your pocket, on a table, or leave it in your car to turn lights on as you pull up to a building or house.

FEATURES
- **Save energy:** create manual-ON/auto-OFF controls using LevNet RF Switches and Sensors; the Remote enables spaces to be turned off immediately upon vacancy. Turn off multiple loads at the touch of a button.
- **Simple wireless control:** control lights, motors, or other electrical loads remotely
- **Control the way you want it:** remotely control an unlimited number of LevNet RF Receivers within range for wireless dimming control or rocker, toggle, or momentary switch functionality

HOTEL KEY CARD SWITCH (WSS0S-H0W)

The Wireless Self-Powered Hotel Key Card Switch is designed to create energy saving solutions for the hospitality industry. Energy is saved by ensuring that no devices are left on when the room is not in use. Inserting a Key Card provides the energy to transmit a wireless signal to LevNet RF Receivers that control lights or other devices in the room.

When entering a room, a Key Card is inserted into the switch and a wireless signal is sent to the Receivers that control the loads in the room. The individual Receivers then communicate with their corresponding loads to close the circuit. When the user exits the room and removes the Key Card from the switch, another wireless signal is sent to the Receivers to open the circuits. Receivers then disconnect power to the devices.

FEATURES
- **Save energy and money:** when entering a room, a guest inserts a Key Card to make power available to selected devices; when leaving, the guest removes the Card to set devices in the room to an energy-saving "unoccupied" mode
- **Energy-saving hotel room controls:** occupancy-based control of lights and devices, integrated HVAC and lighting control, and optional master ON/OFF controls
- **Simple wireless control systems:** control unlimited Receivers within range, control all or only selected devices in a room, use with most room key cards
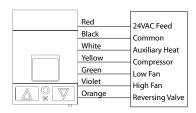
THERMOSTAT (WS0TH-000)

The LevNet RF Thermostat allows quick and easy implementation of energy saving HVAC controls without running any new wire. The Thermostat wirelessly communicates with LevNet RF Transmitters and Receivers such as Occupancy Sensors, Key Card Switches, Wireless Room Temperature Sensors, and more.

When the Thermostat receives an "occupied" signal, it adjusts temperature set points to a narrow preset range (i.e. 70°F to 72°F). When the Thermostat receives an "unoccupied" signal, it adjusts temperature set points to a wider range (i.e. 62°F to 80° F). This conserves energy in unoccupied rooms of a building. When used with an EnOcean BMS Gateway, the Thermostat can be connected to LON and BACNet HVAC control systems. Ideal for offices, class rooms, hotel rooms, and homes.
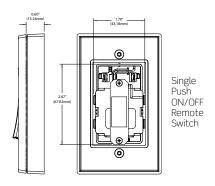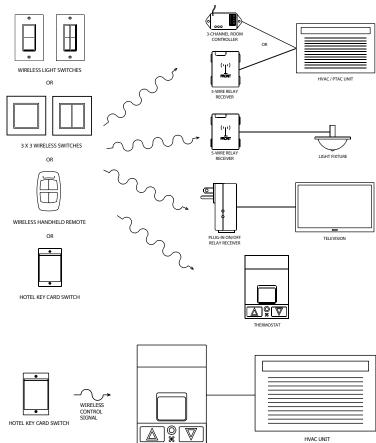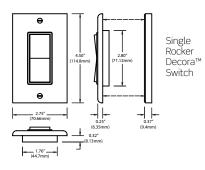
FEATURES

- **Replaces existing thermostats:** installs quickly with simple wiring
- **Reduces energy costs:** use with occupancy sensors and Key Card Switches to reduce electricity to unoccupied rooms of a building
- **Easy-to-use:** run zero switch-leg wires
- **Reliable range:** compatible with all LevNet RF Transmitters; error checking ensures response only to appropriate Transmitters; a single Transmitter can control unlimited Thermostats within range
- **Control the way you want it:** control the Thermostat with a variety of devices – LevNet RF Occupancy Sensors, Key Card Switch, SLT Wireless Sensor, and more
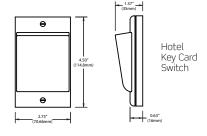
WIRING DIAGRAM

Thermostat

Wire	Function
Red	24VAC Feed
Black	Common
White	Auxiliary Heat
Yellow	Compressor
Green	Low Fan
Violet	High Fan
Orange	Reversing Valve

DIMENSIONS

Single Push ON/OFF Remote Switch

Single Rocker Decora™ Switch

Hotel Key Card Switch

Thermostat

NETWORK DIAGRAMS

LevNet RF Remote Switches

Leviton Mfg. Co., Inc. Lighting Management Systems

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LevNet RF Remote Switches

LEVNET RF REMOTE SWITCHES	
Range	50-150 feet
Frequency	315MHz
Power Supply	Self-generated when Switch is pressed or Key Card is inserted into the switch
Output Channels	Only limited by number of Receivers in range
Usage	Indoors only
Operating Temperature Range	32°F to 104°F (0°C to 40°C)
Addressing	Factory set unique ID (1 of 4 billion)
Radio Certification	FCC Certified for Wireless Communication (U.S.), I.C. Certified (Canada)

SINGLE PUSH ON/OFF REMOTE SWITCH (WSS0S-P0X)	
Rockers	1 Rocker
Dimensions	1.75" W x 4.06" H x 0.48" D (44.45mm x 103.12mm x 12.19mm)

SINGLE ROCKER DECORA™ SWITCH* (WSS0S-D0X) DUAL ROCKER DECORA™ SWITCH* (WSS0S-D2X)	
Rockers	WSS0S-D0X: 1 Rocker WSS0S-D2X: 2 Rockers
Dimensions	2.75" W x 4.5" H x 0.62" D (69.85mm x 114.30mm x 15.75mm)

3 X 3 SINGLE ROCKER SWITCH (WSS0S-E0W | WSS0S-E0B) 3 X 3 DUAL ROCKER SWITCH (WSS0S-E2W | WSS0S-E2B)	
Rockers	WSS0S-E0X: 1 Rocker WSS0S-E2X: 2 Rockers
Dimensions	3.39" W x 3.29" H x 0.41" D (86.11mm x 83.57mm x 10.41mm)

HANDHELD 4-BUTTON REMOTE (WSS0S-R0W)	
Rockers	2 Rockers
Dimensions	1.85" W x 3.15" H x 0.7" D (46.99mm x 80.01mm x 17.78mm)

HOTEL KEY CARD SWITCH (WSS0S-H0W)	
Card Slot	1 (card IN, card OUT)
Dimensions	4.52" H x 2.78" W. x 1.38" D (114.8mm x 70.6mm x 35mm)
Recommended Card Size (cards not included)	2.125" W x 3" L (54mm x 76mm) (standard credit card size)
Operating Temperature	- 25°C up to + 65°C

THERMOSTAT (WS0TH-000)	
Input Voltage	24VAC
Load Rating	1A/circuit
Temperature Monitor Range	32.0°F to 99.9°F (0.0°C to 37.7°C)
Temperature Set Point Range	60°F to 85°F (15.5°C to 29.5°C)
Operating Temperature	14°F to 131°F (-10°C to 55°C)
Storage Temperature	-4°F to 131°F (-20°C to 55°C)
Sampling Rule	Every 5 seconds
Display Format	Liquid Crystal Display (LCD)
Fan Control	Selectable: Auto Cycle, Low, Medium, High, Economy, Off
Memory	Stores up to 30 Switch IDs
Accuracy	+/- 1°F (0.5°C)
Heat/Cool Control	1 Heat and 1 Cool circuit
Temperature Setting	Push button
Fan Selection	Push button
Dimensions	2.11" W x 1.73" H x 1.09" D (54mm x 44mm x 28mm)

ORDERING INFORMATION

CAT. NO.	DESCRIPTION
WSS0S-P0x*	Single Push ON/OFF Remote Switch
WSS0S-D0x*	1-Gang Single Rocker Decora™ Switch
WSS0S-D2x*	1-Gang Dual Rocker Decora™ Switch
WSS0S-R0W	Handheld 4-Button Remote
WSS0S-H0W	Hotel Key Card Switch
WS0TH-S00	Thermostat, 4VAC
WSS0S-E0W	3 x 3 Single Rocker Switch, White
WSS0S-E0B	3 x 3 Single Rocker Switch, Ebony
WSS0S-E2W	3 x 3 Dual Rocker Switch, White
WSS0S-E2B	3 x 3 Dual Rocker Switch, Ebony

*Available in White (-W), Ivory (-I), Almond (-A), Light Almond (-T), Gray (-G), and Ebony (-E).

LEVITON SPECIFICATION SUBMITTAL	
JOB NAME:	CATALOG NUMBERS:
JOB NUMBER:	

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