

LevNet RF Self-Powered Wireless Solutions Thermostat



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

LevNet RF devices offer zero power consumption and zero maintenance for recurring savings for the building owner. EnOcean® technology allows energy harvesting LevNet RF Transmitters to operate indefinitely without the use of batteries. The human motion of a switch actuation, light on a solar cell, or temperature differentials in the environment provide power to LevNet RF Transmitters, eliminating additional expenses to the end user's energy bill and 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.



LevNet RF Hotel Key Card Holder or Sensors can control an unlimited number of LevNet RF Receivers or Thermostats that are in range. LevNet RF Transmitters use no wires or batteries resulting in zero power consumption and no energy used. Inserting a hotel key card into a holder provides the energy to transmit a wireless signal that controls the Thermostat/HVAC or other loads connected to LevNet RF Receivers. Wireless Transmitters are primarily used to control lights in businesses or homes, but they can be used to control virtually any on/off device.

Each Self-Powered Wireless Transmitter can be placed anywhere within range of a Thermostat. Traditionally the Hotel Key Card Holder or sensor is surface mounted on a wall with screws or industrial tape. The unique ID of each Transmitter activates only the intended Thermostat. Self-Powered Wireless 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 • Hotel rooms
- Homes • Conference rooms • Dorms
- Classrooms • Lounges/Lobbies • Restrooms
- Private offices • Executive offices
- Daycare facilities • Multimedia areas

Leviton Mfg. Co., Inc. Lighting Management Systems

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PRODUCT DATA



THERMOSTAT (WS0TH-S)

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 Holders, Door/Window Switches, Wireless Room Temperature Sensors, and more.



When the Thermostat receives an "occupied" signal, it adjusts temperature set points to a narrow preset occupied range (i.e. 70°F to 72°F). When the Thermostat receives an "unoccupied" signal, it adjusts temperature set points to a wider 'Economy' 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.

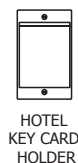
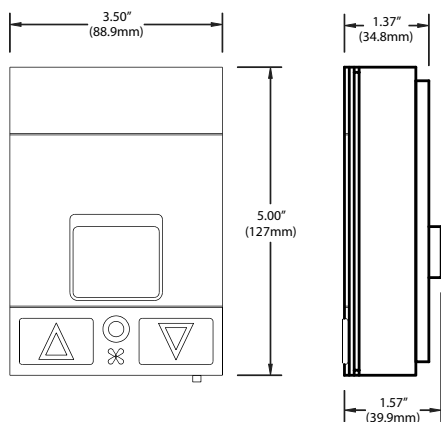
FEATURES

- **Replaces existing thermostats:** installs quickly with simple wiring
- **Reduces energy costs:** use with Occupancy Sensors, Door/Window Sensors and Key Card Holders 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 Holder, SLT, and more

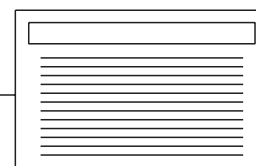
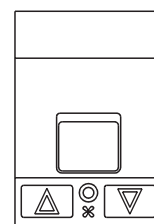
THERMOSTAT (WS0TH-S)

Range	50-150 feet
Frequency	315MHz
Input Voltage	24VAC
Load Rating	1.5A/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, Heat pump reversing valve circuit
Temperature Setting	Pushbutton
Fan Selection	Pushbutton
Dimensions	3.5" x 5" x 1.57" (88.9mm x 127mm x 39.9mm)

DIMENSIONS



WIRELESS
CONTROL
SIGNAL



HVAC UNIT

LEVITON SPECIFICATION SUBMITTAL

JOB NAME:

CATALOG NUMBERS:

JOB NUMBER:

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