

LevNet RF™ 902 MHz PIR Wall Mount Occupancy Sensor

For use with LevNet RF 902 MHz Products



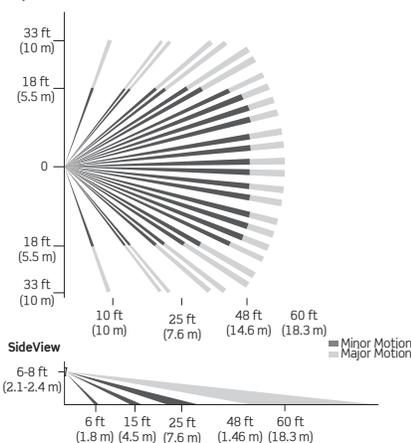
BASIC OPERATION

The LevNet RF™ 902 MHz Passive Infrared (PIR) Wall Mount Occupancy Sensor (WSWDR) has built-in solar cells that draw on available ambient light to power themselves and can operate for up to 72 hours in total darkness. Batteries are not required.

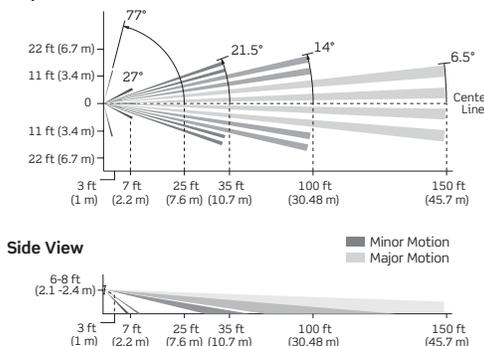
The self-powered wireless sensor design also overcomes the placement and coverage challenges of traditional sensors. Self-powered wireless sensors enable flexible placement, allowing sensors to be mounted where needed without the complexity of moving or installing new wiring.

FIELDS-OF-VIEW (IN FEET)

WIDE ANGLE
Top View



LONG RANGE
Top View



FEATURES

- **Zero Power Consumption** — solar cells provide the energy to keep the device on and sensor technology turns the lights off, eliminating additional expenses to the end user's energy bill
- **Zero Wiring Required** — no wire limitations enable the installer to place the sensor in the optimal location of any application to capture minor motion and enhance performance
- **Self-Powered, Self-Charging** — energy harvesting solar cells are optimal for light collection
- **Rapid Charge Time to Operation** — self-powered technology enables the sensor to be operational after a minimum charge time of 2 minute
- **True Wireless** — sensors are self-powered and communicate with all LevNet RF and EnOcean® Receivers via a 902 MHz radio frequency
- **No Additional Wiring** — self-powered wireless technology eliminates the need to pull additional wire, making installation quick and easy and increasing labor savings with little to no impact to business during conversion
- **Up to 72 Hours of Stored Power** — solar cells provide power to the sensor when no ambient light is available (for extended "OFF" time, an optional battery can be inserted)
- **Advanced Field-of-View** — both wide angle and long-range lens options are included for maximum flexibility and efficiency in a variety of settings
- **Improved Aesthetics**— blends seamlessly with ceiling décor and architecture
- **Additional Energy Savings** — wireless technology supports manual override options with no additional wiring

LevNet RF™ 902 MHz PIR Wall Mount Occupancy Sensor

Leviton Manufacturing Co., Inc. Global Headquarters

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PRODUCT DATA



SPECIFICATIONS

ELECTRICAL	
Range	50-150'
Frequency	902 MHz
Sensor Field-of-View	Long range: 1,600 sq. ft, Wide angle: 2,000 sq. ft.
Power Supply	Energy harvesting (with supplemental battery option)
Radio Certification	FCC Certified for Wireless Communication (U.S.) I.C. Certified (Canada) FCC ID: SZV-STM300U, IC: ID 713A-STM300U
Inputs/Outputs	<ul style="list-style-type: none">• Solar cell for energy harvesting• Swappable wide angle and long-range lens options• Radio frequency transmitter• 2 buttons with LEDs for device configuration
Mounting Height	6-8'
Sensor Range	Long Range: 1,600 sq ft Minor, 3,300 sq ft Major; Wide Angle: 2,000 sq ft Minor, 3,960 sq ft Major
Light Requirements	5FC (50 LUX) for 30 transmissions/hour; 10FC (100 LUX) for 60 transmissions/hour
Battery Option	CR2032
Charge Time to Startup	5 minutes @ 1.39FC (200 LUX)
Time to Full Charge	3 hours @ 18.58FC (200 LUX) (after startup); 6 hours @ 18.58FC (200 LUX) (cold start)
Fully Charged Operating Life in Darkness	72 hours
Radio Transmissions	2 minutes when occupied; 10 minutes and 30 minutes unoccupied
Operating Temperature	32-122°F (0-50°C)
Listings	Can be used to comply with IECC, ASHRAE 90.1, and 2016 Title 24, Part 6 occupancy sensing requirements
OTHER	
Dimensions	5.83" H x 2.52" W x 1.8" D (148mm H x 64mm W x 45.7mm D)
Warranty	5 Year Limited Warranty

NOTE: For use with LevNet RF 902 MHz Wall Switch Receivers (WSS20-G9N, WSS20-N9N) only

ORDERING INFORMATION

CAT NO	DESCRIPTION
WSWDR-H9W	LevNet RF 902 MHz PIR Wall Mount Occupancy Sensor

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Visit our Website at: www.leviton.com/levnetrf

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