

LevNet RF Wireless Self-Powered Solutions Accessories



RS-232 Signal Box Data Interface



Signal Strength Meter

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.



LevNet RF Accessories work in conjunction with LevNet RF Sensors, Switches, and Receivers. 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
- Conference rooms
- Classrooms
- Lounges
- Private offices
- Executive offices
- Restrooms
- Daycare facilities
- Multimedia areas

RS-232 SERIAL BOX DATA INTERFACE (WSoRF-300)

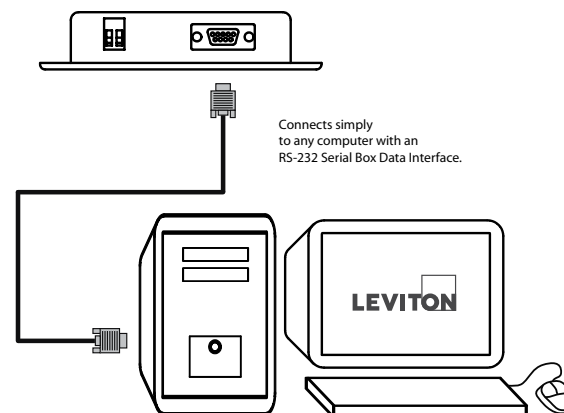
The RF Serial Box is a high performance data interface radio receiver that can be connected to any system that uses an RS-232 serial port. The device receives radio packets from LevNet RF Switches and Sensors.



FEATURES

- **Easy-to-use:** transmits and receives wirelessly
- **Reliable range:** receives and transmits to and from LevNet RF devices
- **Simple wireless control systems:** computer system integration, architectural lighting, daylighting, load shedding, automation
- **Control the way you want it:** control the RS-232 Serial Box with a variety of devices - Wireless Self-Powered Switches, Wireless Sensors, hard-wired sensors, and more

NETWORK DIAGRAM



Leviton Mfg. Co., Inc. Lighting Management Systems

PRODUCT DATA



SIGNAL STRENGTH METER (WSMET-010)

The Signal Strength Meter is a mobile tool for measuring and indicating the received field strength (RSSI) of EnOcean telegrams and disturbing radio activity at 315 MHz. It supports electrical installers during the planning and troubleshooting phase and enables them to verify whether the installation of LevNet RF Transmitters and Receivers is possible at the positions planned. This device is a must have for anyone regularly installing LevNet RF wireless controls.

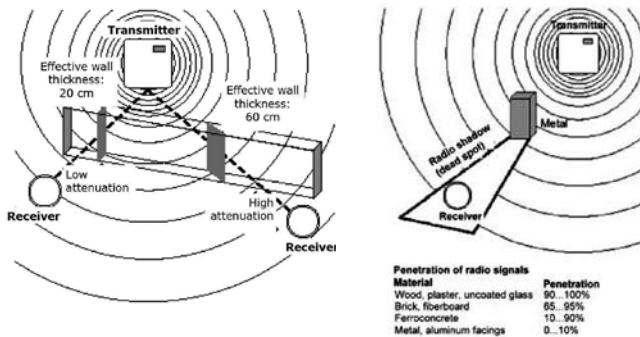


Since radio signals are electromagnetic waves, their intensity decreases as they travel away from the source. Obstructions attenuate radio signals. This tool allows installers to determine the best installation locations before equipment is installed. Distance, transmission angle, and obstructions all affect radio signal quality. For best performance, transmit signals directly through walls and do not use LevNet RF controls around metal.

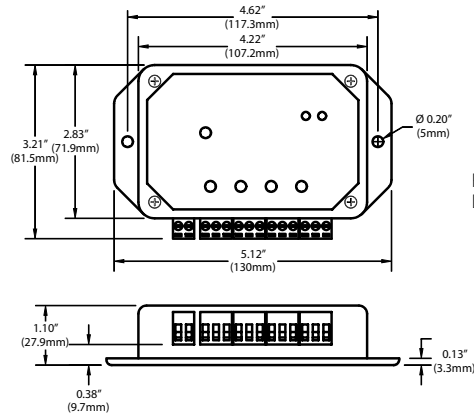
FEATURES

- **Simple range planning:** detects valid radio packets and display received signal strength; measures strength of interference; verifies network plan by testing wireless coverage through a building prior to installation of equipment

OPTIMAL POSITIONING



DIMENSIONS



SPECIFICATIONS

LEVNET RF ACCESSORIES	
Range	50-150 feet
Frequency	315MHz
Radio Certification	FCC Certified for Wireless Communication (U.S.), I.C. Certified (Canada)
RS-232 SERIAL BOX DATA INTERFACE (WSORF-300)	
Power Supply Input	8-28VAC or 8-30VDC
Current	25mA @ 12VDC, 15mA @ 24VDC
Operating Temp.	-13°F to +140°F (-25°C to +60°C)
Storage Temp.	-40°F to +140°F (-40°C to +60°C)
Dimensions	5.12" W x 3.21" H x 1.10" D (130.05mm x 81.53mm x 27.94mm)
Serial Port Settings	9600 baud, 8 bits, no parity, 1 stop bit
SIGNAL STRENGTH METER (WSMET-010)	
Operating Temp.	-25°C to +65°C
Power Supply	9VDC battery
Receiver Sensitivity	-95dBm
Channel Bandwidth	280kHz
RF Data Rate	120kbps

ORDERING INFORMATION

CAT. NO.	DESCRIPTION
WSORF-300	RS-232 Serial Box Data Interface
WSMET-010	Signal Strength Meter

LEVITON SPECIFICATION SUBMITTAL

JOB NAME:	CATALOG NUMBERS:
JOB NUMBER:	

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