

Wireless integration

Aesthetically designed to suit any decor, the Reliable Controls EnOcean Transceiver opens the door for integration of a wide variety of EnOcean wireless sensors and control devices with the Reliable Controls system.



Better by design

PRODUCT FEATURES

EnOcean Enabled

- Compatible with EnOcean Equipment Profiles (EEP) 4BS, 1BS, and RPS. For a full listing of compatible EEPs, refer to the last page of the EnOcean Transceiver submittal sheet.
- EnOcean is the wireless standard for sustainable buildings.

Aesthetic Design

- Smooth contoured lines.
- Slim profile.

Connection

- Easy four-wire terminal block connection.
- Recommended wire is 14-26 AWG (2.08–0.13 mm²), 30 m (100 ft) maximum distance, low capacitance <25 pf/ft.

Signal Strength Indication

- Indicates received signal strength in software.

Certification

- CE.
- FCC CFR 47 Part 15 (TCM 515U).
- R&TTE EN 300 220 (TCM 515).

EnOcean Port

- EnOcean Serial Protocol.
- 57.6 kbps EIA-232 serial data port.

868 MHz ASK Radio on -868 Model

- Uses amplitude-shift keying (ASK) radio.

902 MHz FSK Radio on -902 Model

- Uses frequency-shift keying (FSK) radio.

Programming

- MACH-ProLight EnOcean worksheet resides in the MACH-ProLight controller.
- 32 EnOcean devices possible.
- EnOcean values are automatically stored as virtual BACnet value objects in the controller database. Some sensors support multiple transducers or values.

Warranty

- 5 years.

TECHNICAL SPECIFICATIONS

Supply Voltage from Controller

- 5 VDC @ 35 mA.

Transmission Range

- 30 m (100 ft) line of sight maximum.

Dimensions

- 4 3/4" L x 2 3/4" W x 15/16" H
(12 cm L x 7 cm W x 2.4 cm H).

Weight

- 0.086 kg (0.19 lb).

Ambient Limits

- Operating: 0°C to 50°C (32°F to 122°F).
- Shipping: -25°C to 60°C (-13°F to 140°F).
- Humidity: 10%–90% RH noncondensing.

Transceiver

- Frequency: 868 MHz or 902 MHz.
- Data rate: 125 kbps.
- Receiver sensitivity (@ 25°C):
 - 868.3 MHz ASK: -93 dBm.
 - 902.875 MHz FSK: -98 dBm.
- Conducted typical output power:
 - 868.3 MHz ASK: +10 dBm.
 - 902.875 MHz FSK: +1 dBm.
- Radio regulations:
 - R&TTE EN 300 220 (TCM 515).
 - FCC CFR 47 Part 15 (TCM 515U).

ORDERING

Base Model

- EnOcean Transceiver.

Accessories

SSE

- Wireless SPACE-Sensor EnOcean with dedicated linear active thermistor.

Options

- -902 for 902 MHz (United States and Canada).
- -868 for 868 MHz (Europe).
- /W for white enclosure (e.g., ET-902/W).

PRODUCT IMAGES



APPLICATION DIAGRAM



Dealer Information:

