



# 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.



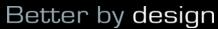














## PRODUCT FEATURES

#### **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.</li>

# **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:



controls	EnOcean Transceiver