

Wireless integration

Aesthetically designed to complement any decor, the Reliable Controls SMART-Sensor™ EnOcean Accesspoint opens the door for integration of a wide variety of EnOcean wireless sensors and output devices with the Reliable Controls system.



Better by design

PRODUCT FEATURES

EnOcean Enabled

- Repeater, software configurable.
- Compatible with EnOcean Equipment Profiles (EEPs) 4BS,* 1BS, and RPS.
- EnOcean is the wireless standard for sustainable buildings.

* For a full list of supported EEPs, refer to the *SMART-Sensor EnOcean Accesspoint User Guide*.

SMART-Net

- Communicates through the SMART-Net port on Reliable Controls system controllers.**
- Maximum of eight SMART-Sensor EnOcean Accesspoint devices per SMART-Net.
- Occupies two traditional SMART-Sensor addresses.

** Transmit functionality available only on MACH-Pro series products.

Programming

- Dedicated temperature and override points.
- 18 user-programmable points from EnOcean devices. Some sensors take multiple points.
- Learn button scans all EnOcean devices within range.
- LED status for learned devices.

Signal Strength Mode

- Indicates received signal strength in RC-Studio.

Repeater

- Software-selectable repeater function.

Aesthetic Design

- Smooth contoured lines.

Setpoint Slider on -S Model

- Sends scalable analog signal to receiver.

Pushbutton on -O Model

- Sends momentary on/off signal to the receiver.
- Soft rubber button design.

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.

Connection and Addressing

- Configure the SMART-Net network address using DIP switches.
- Valid addresses are 1–15.
- Easy four-wire connection.

Warranty

- 5 years.

Certification

- FCC CFR 47 Part 15 Class B.
- WEEE.

TECHNICAL SPECIFICATIONS

Supply Voltage from Controller

- SMART-Net: +5 VDC @ 35 mA.

Transmission Range

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

*** Theoretical maximum limit. May be less on site.

Wiring Terminals

- Rising cage screw mounted.
- 14–26 AWG (2.08–0.13 mm²).
- Stranded or solid core.
- Copper conductors only.

Transceiver

- Frequency: 868 MHz or 902 MHz.
- Data rate/modulation type: 125 Kbps/ASK or FSK.
- Receiver sensitivity (@ 25°C) typically -98 dBm.
- Conducted output power typically 7.5 dBm.
- Radio regulations:
 - R&TTE EN 300 220 (STM 300).
 - FCC CFR 47 Part 15 (TCM 300C).

Button

- Optional tactile override button.

TECHNICAL SPECIFICATIONS

Temperature Specifications

- 10-bit linear active thermistor.
- Range: -8°C to 39°C (18°F to 102°F).
- ±0.05°C (0.09°F) resolution.
- User calibrated to ±0.1°C (0.18°F) accuracy.

Piezo Buzzer

- 2 kHz buzzer for programming status.

Weight

- 0.086 kg (0.19 lb).

Ambient Limits

- Operating: -8°C to 39°C (18°F to 102°F).
- Shipping: -40°C to 60°C (-40°F to 140°F).
- Humidity: 10%–90% RH noncondensing.

LEDs

- Red and green LEDs mounted on the circuit board for programming status and feedback.

Slide Potentiometer

- 0%–100% setpoint slider.

Dimensions

- 12 cm L x 7 cm W x 3 cm H
(4 3/4" L x 2 3/4" W x 1 3/16" H).

ORDERING

SMART-Sensor EnOcean Accesspoint Base Model

- SMART-Sensor EnOcean Accesspoint transceiver with dedicated linear active thermistor.

Accessories

SSE3

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

EC-SS3-CC

- SMART-Sensor conduit coupler.

EC-SS3-CC/W

- SMART-Sensor conduit coupler, white.

Options

- -902 for 902 MHz (United States and Canada).
- -868 for 868 MHz (Europe).
- -S adds slider.
- -O adds override button.
- -S/P1 adds slider with heat/cool icons.
- /W for white enclosure (e.g., SSEA3-S/W).

PRODUCT IMAGES



SMART-Sensor EnOcean Accesspoint with Slider

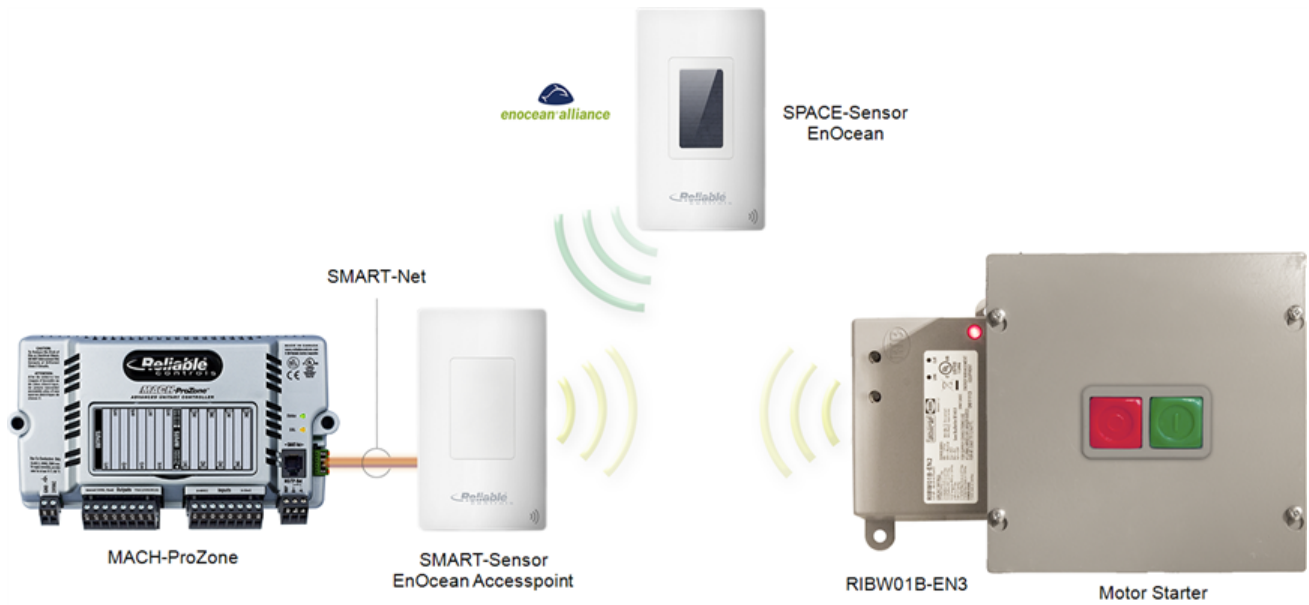


SMART-Sensor EnOcean Accesspoint with One Button



SMART-Sensor EnOcean Accesspoint with One Button and Slider

APPLICATION DIAGRAM



Dealer Information: