

Energy harvesting

The Reliable Controls SPACE-Sensor™ EnOcean delivers a wireless temperature sensor solution made easy with the energy harvesting technology of EnOcean.



PRODUCT FEATURES

EnOcean Enabled

- Fully compatible with existing EnOcean system components.
- EnOcean is the wireless standard for sustainable buildings.

Hardware Programmable

- Teach button sends device profile to the receiver.
- Two-pole DIP switch to configure transmissions every 10, 60, or 120 seconds.

Pushbutton on -O Models

- Sends momentary on/off signal to receiver.
- Tactile button design.

Battery Backup on -B Models

- Lithium cell provides 5 years of operation in a no-light environment.

Certification

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

Energy Harvesting

- Solar-powered wireless sensor.

Aesthetic Design

- Smooth contoured lines.

Setpoint Slider on -S Models

- Sends scalable analog signal to the receiver.

902 MHz FSK Radio on -902 Models

- Uses frequency shift keying (FSK) radio.

868 MHz ASK Radio on -868 Models

- Uses amplitude shift keying (ASK) radio.

Warranty

- 5 years.

TECHNICAL SPECIFICATIONS

Radio

- Frequency: 868 MHz or 902 MHz.
- Data rate/modulation type: 125 kbps/ASK or FSK.
- Conducted output power: Typically 7.5 dBm.
- EnOcean Equipment Profile: 4BS type designed to the EnOcean Equipment Profile V2.0 standard.
- Radio regulations:
 - R&TTE EN 300 220.
 - FCC CFR 47 Part 15.

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.

Optional Battery

- CR1632 lithium coin cell.

Weight

- 0.086 kg (0.19 lb.).

Transmission Range

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

* Theoretical maximum limit. May be less on site.

Slide Potentiometer

- 0%–100% setpoint slider.

Photovoltaic

- Minimum light 20 lux (2 foot-candles).
- Sustains battery-free operation for 200 hours, based on 1-minute transmit interval.

Button

- Optional tactile button.

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).

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.

ORDERING

SPACE-Sensor Base Model

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

Accessories

- SMART-Sensor EnOcean Accesspoint required to receive EnOcean signals into the MACH-System.
- EnOcean Transceiver—for use with the MACH-ProLight.

To create a SPACE-Sensor EnOcean order number, add options in the order shown below.

SSE3-868-B-O-S/P1/W

Options

- -902 for 902 MHz.
- -868 for 868 MHz.
- -B, or battery backup, adds lithium cell.
- -O adds override button.
- -S adds slider.
- -S/P1 adds slider with heat/cool icons.
- /W for white enclosure (e.g., SSE3-B/W).

PRODUCT IMAGES



SPACE-Sensor EnOcean with Slider



SPACE-Sensor EnOcean with Heat/Cool Slider



SPACE-Sensor EnOcean with One Button

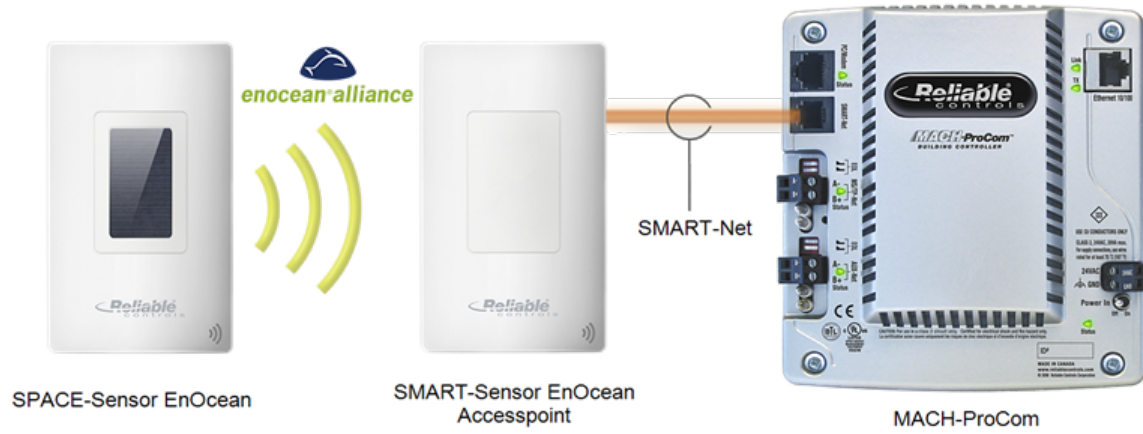


SPACE-Sensor EnOcean with One Button and Slider



SPACE-Sensor EnOcean with One Button and Heat/Cool Slider

APPLICATION DIAGRAM



Dealer Information: