

Energy harvesting

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



Better by design

PRODUCT FEATURES

EnOcean Enabled

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

Hardware Programmable

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

Battery Backup (-B Option)

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

Override Button (-O Option)

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

Setpoint Slider (-S Option)

- Sends scalable analog signal to the receiver.

Energy Harvesting

- Solar-powered wireless sensor.

Aesthetic Design

- Smooth contoured lines.

868 MHz ASK Radio (-868 Model)

- Uses amplitude shift keying (ASK) radio.

902 MHz FSK Radio (-902 Model)

- Uses frequency shift keying (FSK) 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.

Dimensions

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

Weight

- 0.086 kg (0.19 lb).

Certifications

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

Transmission Range

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

* Theoretical maximum limit. May be less on site.

Photovoltaic Cell

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

Battery (-B Option)

- CR1632 lithium coin cell.

Override Button (-O Option)

- Optional tactile button.

Setpoint Slider (-S Option)

- 0%–100% setpoint slider.

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

Models

SSE3-868

- SPACE-Sensor EnOcean with 868 MHz frequency radio.

SSE3-902

- SPACE-Sensor EnOcean with 902 MHz frequency radio.

Options

- -B adds lithium battery.
- -O adds override button.
- -S adds slider.
- -S/P1 adds slider with heat/cool icons.
- /W for white enclosure.

Build Your Order

To create the order number, add your options to the base model. For example, SSE3-902-B-O-S/P1/W is the order number for a SPACE-Sensor EnOcean with a 902 MHz frequency radio, battery, override button, and slider with heat/cool icons in a white enclosure.

Accessories

SSEA3-868

- SMART-Sensor EnOcean Accesspoint with 868 MHz frequency radio.

SSEA3-868/W

- SMART-Sensor EnOcean Accesspoint with 868 MHz frequency radio, white.

SSEA3-902

- SMART-Sensor EnOcean Accesspoint with 902 MHz frequency radio.

SSEA3-902/W

- SMART-Sensor EnOcean Accesspoint with 902 MHz frequency radio, white.

ET-868

- EnOcean Transceiver with 868 MHz frequency radio

ET-868/W

- EnOcean Transceiver with 868 MHz frequency radio, white

ET-902

- EnOcean Transceiver with 902 MHz frequency radio.

ET-902/W

- EnOcean Transceiver with 902 MHz frequency radio, white.

PRODUCT IMAGES



SPACE-Sensor EnOcean with slider



SPACE-Sensor EnOcean with heat/cool slider



SPACE-Sensor EnOcean with override button

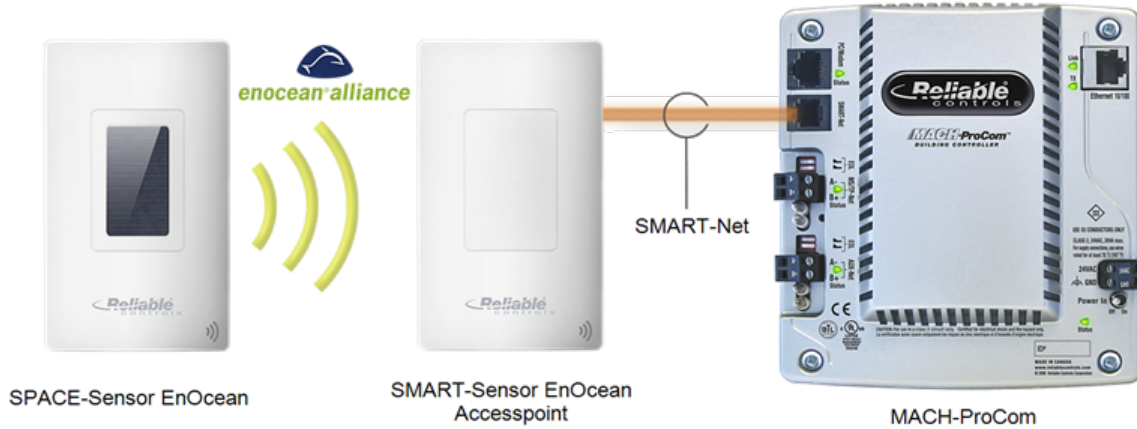


SPACE-Sensor EnOcean with override button and slider



SPACE-Sensor EnOcean with override button and heat/cool slider

APPLICATION DIAGRAM



SPACE-Sensor EnOcean

SMART-Sensor EnOcean
Accesspoint

MACH-ProCom

Dealer Information: