Reliable® controls

Wireless Integration

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

5 year Warranty

Better by **design**

ISO 9001 14001 QUALITY ENVIRONMENTAL ASSURANCE

Member of **BACnet®** International

USGBC℠

enocean alliance

www.reliablecontrols.com/SSEA

SMART-Sensor™ EnOcean Accesspoint

Tech Specs

Supply Voltage (from controller)
- SMART-Net - 5 VDC @ 35 mA

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

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

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

Button
- Standard silicone rubber override
  button
- Red and green LEDs mounted in
  the button for programming status
  and feedback

Piezo Buzzer
- 2 kHz buzzer for programming status

Dimensions
- 12 cm L x 7 cm W x 2.4 cm H
  (4 $^3/_4$" L x 2 $^3/_4$" W x $^{15}/_{16}$" H)

Weight
- 0.09 kg (0.195 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% to 90% RH non-condensing

* Theoretical maximum limit (may be less on site)

Features

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

Repeater
- Repeater function soft
  selectable

SMART-Net
- Communicates with all MACH-
  System controllers through
  their SMART-Net ports***
- Max. of 8 SSEAs per
  SMART-Net
- Occupies two traditional
  SMART-Sensor addresses

Aesthetic Design
- Smooth contoured lines
- Slim profile

Optional Setpoint Slider (-S
model)
- Sends scalable analog signal
  to receiver

Optional 868 MHz ASK Radio
(-868 model)
- Uses amplitude-shift keying
  (ASK) radio

Optional 902 MHz FSK Radio
(-902 model)
- Uses frequency-shift keying
  (FSK) radio

Programming
- Dedicated temperature and
  setpoint objects
- 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

Connection and Addressing
- Configure network address of
  SSEA using DIP switches
- Valid addresses are 1–15
- Easy 4-wire connection
  (screwless spring loaded)
- Recommended wire is 24
  AWG solid core only Cat3,
  Cat5, 6, 6E, or equivalent

Signal Strength Mode
- Indicates received signal
  strength in software

Warranty
- 5 years

Certification
- FCC CFR 47 Part 15 Class B

**For a full list of supported EEPs refer the SSEA user's manual
*** Transmit functionality only available on MACH-Pro series products

Ordering

SSEA (base model)
- SMART-Sensor EnOcean
  Accesspoint transceiver with
  dedicated linear active thermistor

OPTIONS

-902 for 902 MHz
(leave blank for 315 MHz)
-868 for 868 MHz (leave blank for 315 MHz)
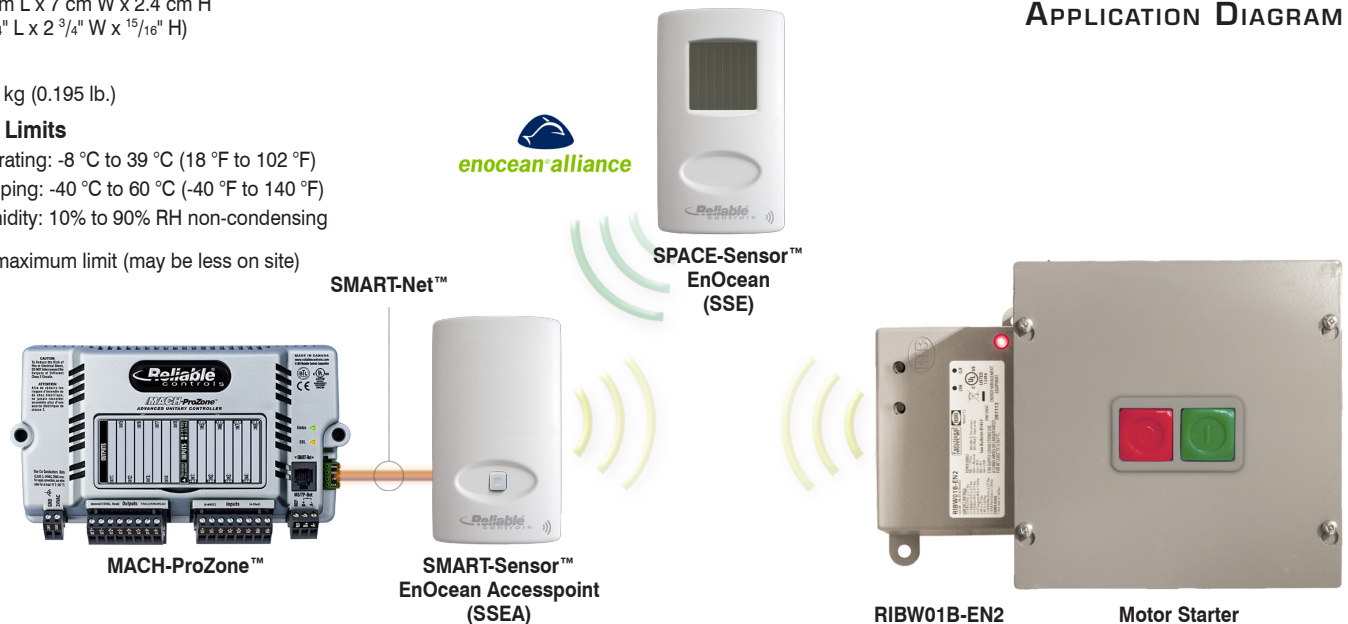-S adds slider
/W for white enclosure (e.g.SSEA-S/W)

Accessories

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

APPLICATION DIAGRAM

enocean alliance

**SPACE-Sensor™
EnOcean
(SSE)**

SMART-Net™

MACH-ProZone™

**SMART-Sensor™
EnOcean Accesspoint
(SSEA)**

RIBW01B-EN2

Motor Starter

Dealer Information:

Designed and Manufactured in Canada