



## SERIES RSME | ROOM STATUS MONITOR



RSME with standard plastic bezel



RSME with stainless steel bezel option

### BENEFITS/FEATURES

- User configurable graphical interface
- Can monitor up to 3 rooms with a single unit
- Displays up to 4 parameters including pressure, relative humidity, temperature, air change per hour (ACH), and/or door status
- Shallow mounting depth of 1.1" (27.5 mm) allows for flush mount installation in areas with space constraints
- Full color 4.3" touchscreen LCD incorporates color status indication: green for good, yellow for warning, and red for alarm
- Easy-to-clean optional brushed stainless steel bezel
- BACnet MS/TP and Modbus® RTU communication is standard
- Includes RSME, junction box, and USB-C/USB-A flash-drive

### APPLICATIONS

- Hospital isolation rooms
- Pharmaceutical facilities
- Dental offices
- School nurse offices

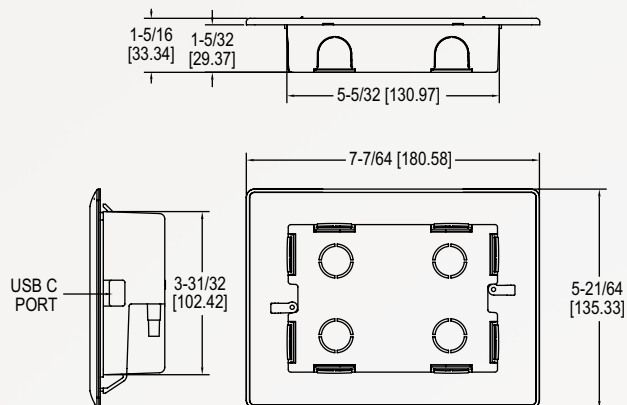
### DESCRIPTION

The **Series RSME Room Status Monitor** is designed for low differential pressure applications that require stringent pressure monitoring and alarming. It can be configured to monitor positive or negative pressure in clean rooms, hospital isolation rooms, laboratories, and vivariums. The RSME is a complete system with a touchscreen graphical user interface which enables access to pressure, humidity, temperature, air change, security, door status, calibration, and alarm setup. The graphical display color changes allows a clear determination of when the parameters are operating within the acceptable range (green), caution range (yellow), or have gone outside the acceptable operating range (red). The RSME room status monitor comes standard with BACnet MS/TP and Modbus® RTU communications.

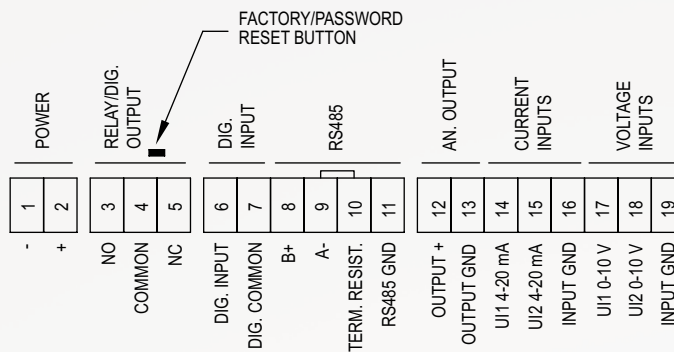
### SPECIFICATIONS

<b>Service</b>	Air.
<b>Measurement Technology</b>	Piezoresistive pressure sensor.
<b>Wetted Materials</b>	Front: PMMA window with IP65 rating. Back housing: ABS UL 94 V-0.
<b>Pressure Limits</b>	1.5 psig.
<b>Accuracy</b>	±0.5% RSS (includes non-linearity: ±0.49% BFSL, hysteresis: ±0.05% and non-repeatability: ±0.05%), or ±1% RSS (includes non-linearity: ±0.99% BFSL, hysteresis: ±0.05% and non-repeatability: ±0.05%), after 1 hour warm-up period.
<b>Thermal Effect</b>	±0.02% FS/°F (includes zero and span).
<b>Process Connection</b>	Barbed, fits 1/8" and 3/16" (3 mm and 5 mm) ID rubber or vinyl tubing.
<b>Inputs</b>	Two (2) user-selectable 4-20 mA, 0-5 VDC, or 0-10 VDC; USB type C used for cloning programming; One (1) digital input for door status.
<b>Outputs</b>	One (1) digital output (DO) rated 5 A @ 30 VDC; One (1) 4-20 mA or 0-10 V (user selectable) corresponding to internal pressure or retransmission of any input.
<b>Ambient Temperature Limits</b>	32 to 122°F (0 to 50°C).
<b>Power Requirements</b>	24 VAC/VDC.
<b>Selectable Pressure Units</b>	Pa, kPa, cm w.c., mm w.c., and in w.c.
<b>Temperature Units</b>	°F and °C.
<b>Zero and Span Adjustments</b>	Adjustable via touchscreen.
<b>Electrical Connection</b>	Removable terminal block.
<b>Display</b>	4.3" (10.9 cm) color TFT LCD, dimmable; 480 x 272 resolution.
<b>Communications</b>	Modbus® RTU, BACnet MS/TP.
<b>Audible Alarm</b>	69.1 dB 10 cm from display.
<b>Weight</b>	13.6 oz (385.6 g).
<b>Compliance</b>	BTL, CE.

## DIMENSIONS

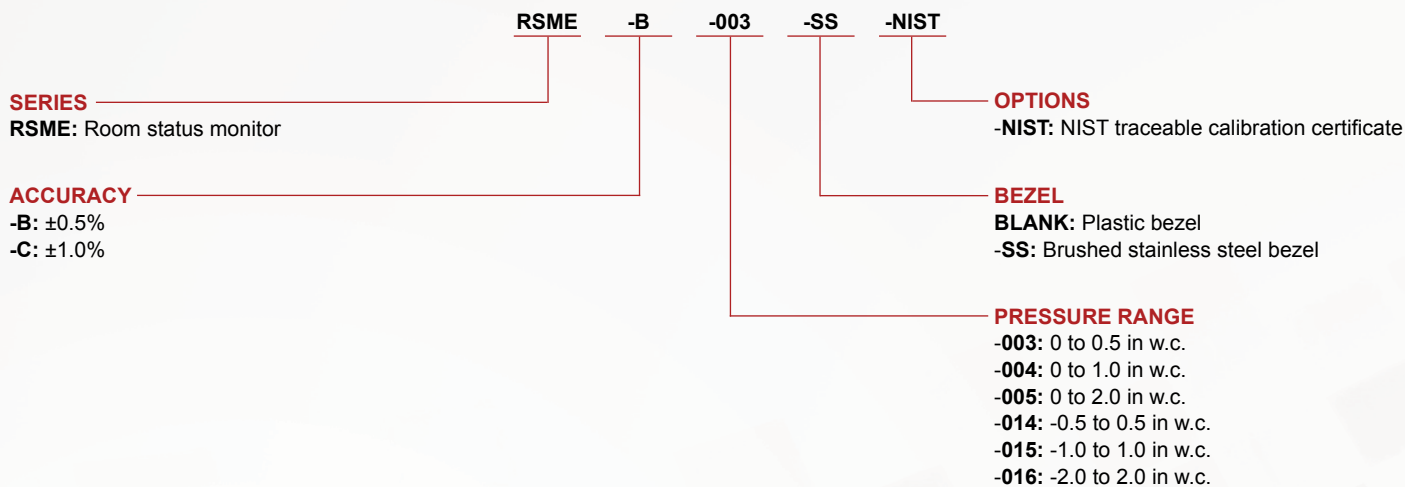


## WIRING DIAGRAM



## HOW TO ORDER

Use the **bold** characters from the chart below to construct a product code.



Modbus® is a registered trademark of Schneider Automation, Inc.