



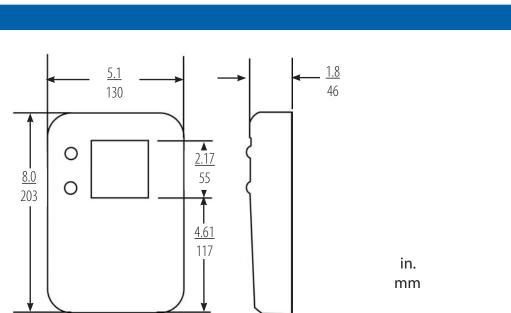
DESCRIPTION

Setra SRPM Room Pressure Monitor is designed for critical low differential pressure applications that require stringent pressure monitoring and alarming. The SRPM can be configured to monitor positive, negative or neutral pressure in protected environments and hospital isolation rooms per CDC guidelines. The SRPM is a complete system that includes a backlit RGB LCD display with a graphic user interface, which enables access to pressure, security, calibration, and alarm setup. The touch-screen displays menus that guide the user through setup, as well as setting up password protection. Red and green LED's and a local audible alarm (with time delay feature) alert personnel to system status. The SRPM has a NEMA 1(IP20) rated fire retardant plastic housing for indoor applications. True differential pressure is displayed with a resolution of .0001". Setra's patented very low pressure capacitance sensor is dead ended and avoids the potential for cross contamination of the room and reference space as well as eliminating drift that results from fouling of flow based sensors, which by nature have a flow path connecting the protected and reference spaces. Additionally there are 2 levels of password protection available as well as optional BACnet MSTP communications.

NOTE: Setra quality standards are based on ANSI-Z540-1. The calibration of this product is NIST traceable.

U.S. Patent nos. 6019002; 6014800

DIMENSIONS



FEATURES

- Touch Screen Display
- BACnet[®]Option
- Password Enabled
- Local Audible Alarm
- Visual Red and Green Room Status Displays
- SPST Alarm Relay
- Door Status Monitor
- Variable Alarm Delay
- Positive and Negative Pressure Monitoring
- Bar Graph Display
- Ceand RoHS Compliant

BENEFITS

- Easy to Install, Set-up, and Calibrate
- Fingertip Operation
- Password Security
- Local Display of Room

APPLICATIONS

- Hospital Patient Isolation Wards
- Pharmaceutical Manufacturing
- Semiconductor Fabs
- Cleanrooms
- Research Laboratories
- Animal Resource Facilities

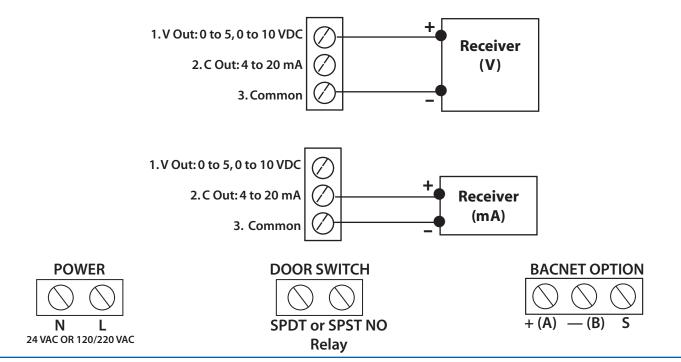


ROOM PRESSURE MONITORS

SPECIFICATIONS

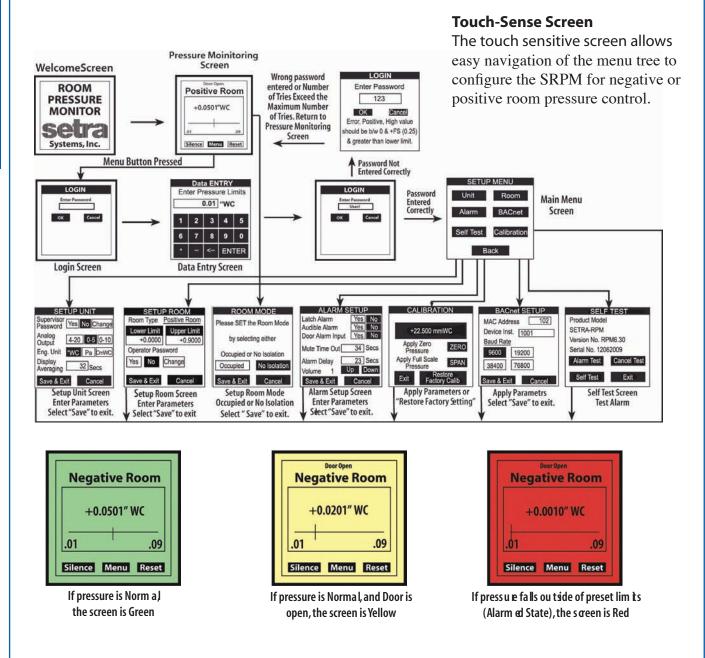
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Performance Data			Environmental Data		Electrical Data	(Voltage)
Accuracy RSS ¹ (at constant temp) Non-Linearity (BFSL Based) Hysteresis Non-Repeatability Zero Setting Tolerance Span Setting Tolerance <u>Thermal Effects²</u> Compensated Range °F(°C)	Code F ±0.25% ±0.24% ±0.05% ±0.05% ±0.5% FS ±0.5% FS ±0.5% FS	Code H ±0.5% ±0.49% ±0.05% ±0.05% ±0.5% FS ±0.5% FS	Temperature Operating ³ °F (°C) Storage °F (°C) Operating Humidity Physical Des Case (NEM Dimensions	32 to +120 (0 to +50) -20 to +160 (-30 to +70) 5 to 95% RH (Non-condensing) Scription Fire Retardant Plastic A 1 ,IP20 Rated for Indoor Applications) 8"H x 5.1"W x 1.8"D (203 x 130 x 46 mm)	Circuit Output ⁴ Excitation Code V1 Code A1 Code V2 Code A2 Power Consumption Alarm Output	3-Wire (Exc., Out, Com) 0 to 5 VDC 0 to 10 VDC 85-265 VAC, 50-60 Hz 18-32 VAC, 50-60 Hz 85-265 VAC, BACnet 18-32 VAC, BACnet 5 W SPDT Relay
Overpressure Pressure Media Air or Non-conductive, Non-exp Certifications CSA Standard (22.2 No 0-M 91 CAN/CSA (22.2 No.0.4-04 CAN/CSA-C22.2 No.61010-1-04 ANSI/UL61010-1 (Second Edition)	- General Requirements - Canadian Electrical, Part 1 - Bonding of Electrical Equipment -Safety Requirements for Electrical Equipment for Measurement, Control and Laboratory Use Part-1: General Requirements - Safety Requirements for		Electrical Connection Pressure Fittings Weight (approx.) Mounting Communication BACnet® Display LCD Status Indicators	Removable Terminal Block Barbed Fittings for 1/4" O.D. Tubing 1.5 lbs (680g) 2-Gang Plaster Ring (Mounts to 2-gang electrical box.)	Electrical Data Circuit Output External Load Excitation Code V1 Code A1	1A @ 24 VDC 1A @ 120 VDC
WIRING	Electrical Equipm Measurement, Co		 ² Units calibrated at nomina ³ Operating Temperature lim ⁴ Calibrated into a 50K ohm 	eresis, and Non-Repeatability. 170°F. Maximum thermal error computed fron nits of the electronics only. load, operable into a 5000 ohm load or greater ect to change w thout n otice.		



SRPM MENU TREE







BACnet" is a registered trademark of ASHRAE"

Please contact factory for versions not shown.

ORDERING INFORMATION

Ordering Example: Part No. SRPM005WBA1E for a SRPM, ±5 in. W.C. Range, 24 VAC EXC. with 4 to 20 mA output, and ±0.5% FS Accuracy.

S R P M	·				
Model	Range Code	Excitation/Output		Accuracy	
SRPM = SRPM	See Table 1 Below	A1	24 VAC/4-20 mA or 0-5 and 0-10 VDC	E	±0.5% FS
	°	V1	120/240 VAC/4-20 mA or 0-5 and 0-10 VDC	V	±0.25% FS
Table 1, Range	Specification	A2	24 VAC w/ BACnet®		

V2

120/240VAC BACnet®

Table 1. Range Specification				
RANGE CODE	INCHES W.C.			
005WB	±5			
2R5WB	±2.5			
001WB	±1.0			
0R5WB	±0.5			
R25WB	±0.25			
0R1WB	±0.1			
R05WB	±0.05			

ACCESSORIES

Model SRAN		Model RPS		
Remote Annu	unciator	Room Pressure Snubber (Wall Mount Pressure Taps)		
Green LED, Normal Indication Red LED, Alarm Indication Buzzer, Audio Alarm, ADJ. from SRPM Acknow edge Switch		The RPS is a stainless steel room static prosure sensor that has the same footprint (2) W X 4.5" H) as your standard electrical war plate.	that has the same footprint (2.75"	
and and and a second	Order Part Num ber: SRAN	0 der Part Num ber: R P	S	