Model SRPM
Room Pressure Monitor

The SRPM is Setra's standard single room BACnet capable room pressure monitor for measuring low differential pressure in critical applications. The SRPM's backlit touchscreen LCD provides an intuitive graphic user interface for ease of setup. The SRPM has a built-in calibration feature and only requires zeroing when installed, significantly reducing the cost of ownership. The SRPM monitors and alarms while providing a digital input for a door alarm. The SRPM is a simple, cost-effective solution which combines state-of-the-art electronics with Setra's superior true differential pressure sensing technology to ensure safety in critical environments. The SRPM also incorporates two-level password protection.
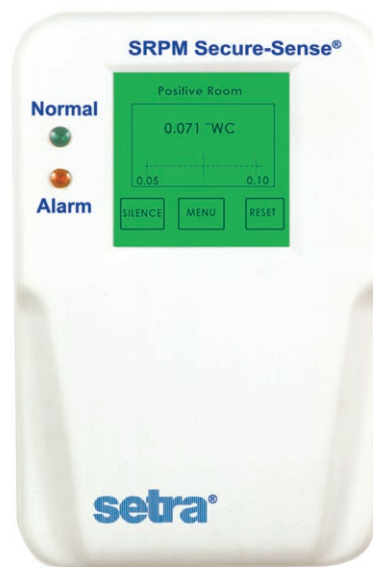
Monitor & Alarm Critical Rooms
The SRPM is most user friendly room pressure monitor on the market today. It has an intuitive touchscreen interface that allows the user to easily configure alarm set points, passwords and audible alarming conditions. With its bi-directional sensor, the unit can switch between protection and isolation room modes, or be put into standby mode when the room is not in use.

On-Board Dead-Ended Pressure Sensor
Protection and isolation rooms are designed to adhere to strict standards in order to provide a proper barrier between the room and reference space. Unlike a flow-through design, the SRPM utilizes an on-board dead-ended low differential pressure sensor. This technology provides the user with a trusted solution & peace of mind that the sensor will prevent contaminated air from passing through it.

Save Time and Money on Installation & Calibration
The SRPM is designed with both the installer and end user in mind. The BACnet enabled unit can be installed in an off-the-shelf electrical box, improving the ease of installation instead of having to use a custom electrical box that is not typically available at the rough stage of the project. The SRPM offers push button zero and span calibration that is easily performed by any low differential pressure calibrator and can be calibrated in minutes.

- **Maximize Patient Safety**
- **Save on Installation Costs**
- **Low-Cost BACnet Solution**

Model SRPM Features:

- On-board Sensor - Industry Best Accuracy
- LCD Touch Screen for Easy Setup and Room Display
- Monitor Single Pressure Relationship and Door Status
- Configurable Audible & Visual Alarms to Avoid Nuisance
- Easy Surface Mounting - Wall Thickness is Irrelevant
- Increased Safety with 2 Layer Password Protection
- Calibration: Only Requires Zeroing Once Installed

Where We're Installed:

- Brigham and Women's Hospital
- Emory University Medical Center
- Memorial Sloan Kettering Cancer Center
- Stanford University Medical Center
- Veterans Affairs (VA) Medical Center
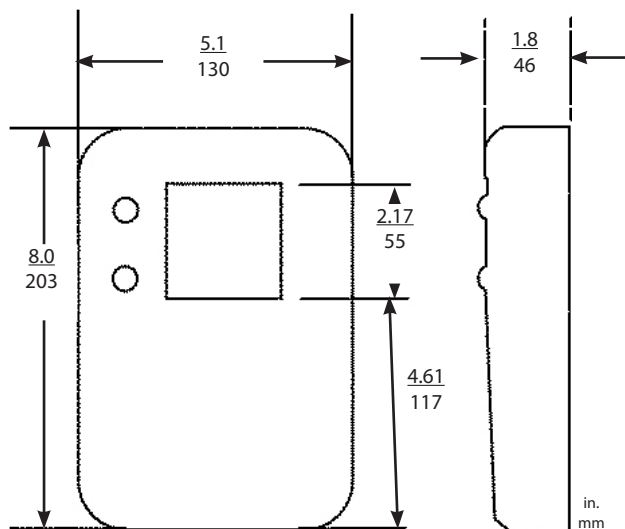
Model SRPM
Room Pressure Monitor

setra

ORDERING INFORMATION

| S | R | P | M | – | ☐☐☐☐☐ | – | ☐☐ | – | ☐ |

Model	Range Code		Excitation/Output		Accuracy	
SRPM = SRPM	RANGE CODE	INCHES W.C.	A1	24 VAC/4-20 mA or 0-5 and 0-10 VDC	E	±0.5% FS
	005WB	±5	V1	120/240 VAC/4-20 mA or 0-5 and 0-10 VDC	V	±0.25% FS
	2R5WB	±2.5	A2	24 VAC w/ BACnet®		
	001WB	±1.0	V2	120/240VAC BACnet®		
	0R5WB	±0.50				
	R25WB	±0.25				
	0R1WB	±0.1				

BACnet®

"BACnet" is a registered trademark of ASHRAE"

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.*
Please contact factory for versions not shown..

DIMENSIONS

5.1 / 130
1.8 / 46
8.0 / 203
2.17 / 55
4.61 / 117
in.
mm

GENERAL SPECIFICATIONS

Performance Data			Environmental Data	
	Standard	**Optional**	Operating Temp.[3] °F (°C)	32 to +120 (0 to +50)
Accuracy RSS[1]	±0.5%	±0.25%	Storage Temp. °F (°C)	-20 to +160 (-30 to +170)
Non-Linearity (BFSL)	±0.49%	±0.24%	Operating Humidity	5 to 95% RH (Non-Condensing)
Hysteresis	±0.05%	±0.05%	**Electrical Data (Voltage)**	
Non-Repeatability	±0.05%	±0.05%	Circuit	3-Wire (Exc, Out, Com)
Span Setting Tol.[5]	±0.5% Rdg.	±0.5% Rdg.	Output[4]	0 to 5 VDC, 0 to 10 VDC
Thermal Effects[2]			Alarm Output	SPDT Relay: 1A @ 24 VDC, 1A @ 120 VDC
Compensated Range (°F°C)	40 to 120 (4.5 to 50)		Power Consumption	5W
Zero/Span Shift %FS	±0.03% FS (±0.05%FS)		**Excitation:**	
Overpressure	±15"W.C.		Code V1	85-265 VAC, 50-60 Hz
Physical Description			Code A1	18-32 VAC, 50-60 Hz
			Code V2	85-265 VAC, BACnet®
Case	Fire-Retardant Plastic (NEMA1, IP20 Rated for Indoor Applications)		Code A2	18-32 VAC, BACnet®
			Electrical Data (Current)	
Dimensions	8"H x 5.1"W x 1.8"D (203 x 130 x 46 mm)		Circuit	2-Wire
Electrical Connection	Removable Terminal Block		Output	4 to 20 mA
Pressure Fittings	Barbed Fittings 1/4" O.D. Tubing		External Load	0 to 510 ohms
Weight (approx.)	1.5lbs (680g)		**Excitation:**	
			Code Vi:	85-265 VAC, 50-60 Hz1
			Code A1	8-32 VAC, 50-60 Hz

[1]RSS of Non-Linearity, Hystereis, and Non-Repeatability.
[2]Units calibrated at nominal 70°F. Max thermal error computer from this datum.
[3]Operating temperature limits of the electronics only.
[4]Calibrated into a 50K ohm load, operable into a 5000 ohm load or greater
[5] Zero setting tol. negated by zero push button
Specifications subject to change.