Model SRCM
Room Condition Monitor

The SRCM is the highest performance BACnet capable product for measuring low differential pressure in critical applications. Unlike the SRPM, the SRCM can monitor and alarm two rooms through one device, as well as display 3 additional parameters such as temperature, humidity & CO_2. The SRCM builds upon the SRPM's feature set by adding cloning functionality via a USB port, which ensures time and money savings on installation in applications where multiple monitors are required. The SRCM also has a 4.3" color LCD touch screen for easy menu navigation as well as a flush mount design. The SRCM provides the ability for custom naming for all rooms and conditions while including two-level password protection.

Monitor & Alarm Multiple Rooms
The SRCM is designed to give the user flexibility and dependability in the most critical applications. The SRCM has an expanded feature set that includes 2 analog inputs to allow the user to monitor temperature and humidity, as well as a user defined parameter. The SRCM also has a digital input to be used for a door alarm, ensuring that there are no breaches in the critical environment.

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 SRCM 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 SRCM 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 SRCM 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**
- **Monitor Two Rooms with One Device**

Model SRCM Features:

- On-board Sensor - Industry Best Accuracy
- 4.3" Color Touch Screen for Easy Setup and Room Display
- Monitor up to 4 Parameters: Pressure, Temp, Humidity, and User-Defined, such as Air Changes Per Hour (ACH)
- Wipe-down Capable IP-54 Flush Mount Design
- Configurable Audible & Visual Alarms to Avoid Nuisance
- Easy Mounting into off-the-shelf Electrical Gang Box
- Reduce Installation Time with Unit Clone Feature
- Full Banner Feature - Customize Display Text

Where We're Installed:

- Harvard Medical School
- Memorial Sloan Kettering Cancer Center
- St. Judes Medical Center
- UC San Francisco Medical Center
- Veterans Affairs (VA) Hospital

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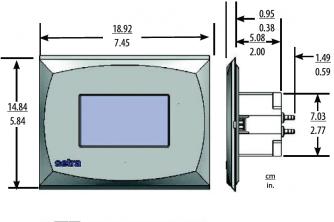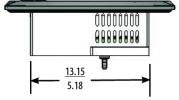
ORDERING INFORMATION

| S | R | C | M | – | ☐ | ☐ | ☐ | ☐ | ☐ | – | ☐ | ☐ | – | ☐ | – | ☐ | – | ☐ |

Model	Range Code				Excitation/Output		Accuracy		Pressure Snubber*		Faceplate	
SRCM = SRCM	RANGE CODE	INCHES W.C.	RANGE CODE	PASCALS	A1	24 VAC/4-20 mA, 0-5 VDC & 0-10 VDC	H	±0.5% FS	N	Quantity 0	S	Setra Logo
	R05WB	±0.05	Z02LB	±12.5	A2	24 VAC/4-20 mA, 0-5 VDC, 0-10 VDC w/BACnet®	F	±0.25% FS	1	Quantity 1	B	Blank
	0R1WB	±0.10	025LB	±25					2	Quantity 2		
	R25WB	±0.25	050LB	±50								
	0R5WB	±0.50	100LB	±100								
	001WB	±1.00	250LB	±250								
	2R5WB	±2.50	500LB	±500								
	005WB	±5.00	10CLB	±1000								

BACnet®
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Ordering Example: Part No. SRCMR05WBA1HNS for A SRCM, ±0.05"WC Range, 24VAC/4-20 mA, 0.5% Full Scale Accuracy, No Pressure Snubber
* For other pressure fitting configurations, please contact factory.

DIMENSIONS

18.92 / 7.45
0.95
0.38
5.08
2.00
1.49 / 0.59
14.84 / 5.84
7.03 / 2.77
cm / in.
13.15 / 5.18

GENERAL SPECIFICATIONS

Performance Data

	Code F	Code H
Accuracy RSS[1]	±0.25%	±0.5%
Non-Linearity (BFSL)	±0.24%	±0.49%
Hysteresis	±0.05%	±0.05%
Non-Repeatability	±0.05%	±0.05%
Span Setting Tol.[2]	±0.5% Rdg	±0.5% Rdg
Thermal Effects[3]		
Compensated Range °F (°C)	40 to 120 (4.5 to 50)	
Zero/Span Shift %FS	±0.03% FSI (±0.05% FS)	
Overpressure	±1 PSI (15"W.C. for ≤ 0.10" W.C. F.S.)	

Pressure Media

Air or Non-Conductive, Non-Explosive Gases.

Physical Description

Case	Fire Retardant Plastic UL94 V-0
Dimensions	5.84"H x 7.45"W x 0.38"D (14.84 x 18.92 x 0.95 cm)
Electrical Connection	Removable Terminal Block
Pressure Fittings	Barbed Fittings for 1/4" O.D. Tubing
Weight (approx.)	1 lb. 3.2 ounces (554 g)
Mounting	Mounts to a triple gang double-deep electrical box
LCD Display	4.3" TFT, 480x272, Dimmable

Environmental Data

Operating Temp.[4] °F (°C)	32 to + 120 (0 to +50)
Storage Temp. °F (°C)	-20 to +160 (-30 to +70)
Operating Humidity	5 to 95% RH (Non-Condensing)

Electrical Data (Current)

Circuit	2-Wire
Output	4 to 20 mA
External Load	0 to 510 ohms
Excitation	18-32 VAC

Electrical Data (Voltage)

Circuit	3-Wire (Exc, Out, Com)
Output[5]	0 to 5 VDC, 0 to 10 VDC
Alarm Output	SPDT Relay: 0.6A @ 120 VDC, 2A @ 30 VDC
Power Consumption	10 W max., 3 W typ.
Excitation	18-32 VAC, 50-60 HZ

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