



PRESSURE

ROOM CONDITION MONITOR SRCM SERIES

DESCRIPTION

The **Setra SRCM Series** is a 2-in-1 solution incorporating the best of the **SRPM** and adding room condition monitoring capability. A large 4.3" TFT displays room conditions such as room ID, room pressure mode, room status, room pressure and a slide bar that indicates pressure relative to set point. It is also capable of displaying a full screen room condition banner to communicate the current room status and is easily programmed through the SmarTTouch™ display

The **SRCM Series** incorporates a flush mount design for the most esthetic installation. The display hinges up for easy access to a USB port that is provided for quick cloning of multiple units. The **SRCM Series** also has Multi-room dP measurement capabilities with the use of a remote dP transmitter, as well as the ability to display up to eight parameters utilizing BACnet® MSTP. In addition to the standard analog and relay outputs, the **SRCM Series** is available in a BACnet® MSTP configuration that is easily setup through the SmarTTouch™ display.

The **SRCM Series** is perfect for applications in laboratory, pharmaceutical, research, isolation room, and surgical suite applications or anywhere maintaining and monitoring differential pressure.

FEATURES

- Color coded room status indication
- Flush mount design
- New intuitive interactive interface
- Clone configuration capability
- Selectable analog voltage and milliamp outputs

Optional Remote Annunciator

Setra's SRAN annunciator allows remote indication of room status at monitoring or nurses station. A GREEN LED indicates a normal room condition, a RED LED and audible alarm signal a breach in room pressure status.

- SPDT alarm relay
- 4.3" TFT LCD display
- Optional BACnet MSTP
- SPDT relay output
- Analog current or voltage outputs



SPECIFICATIONS

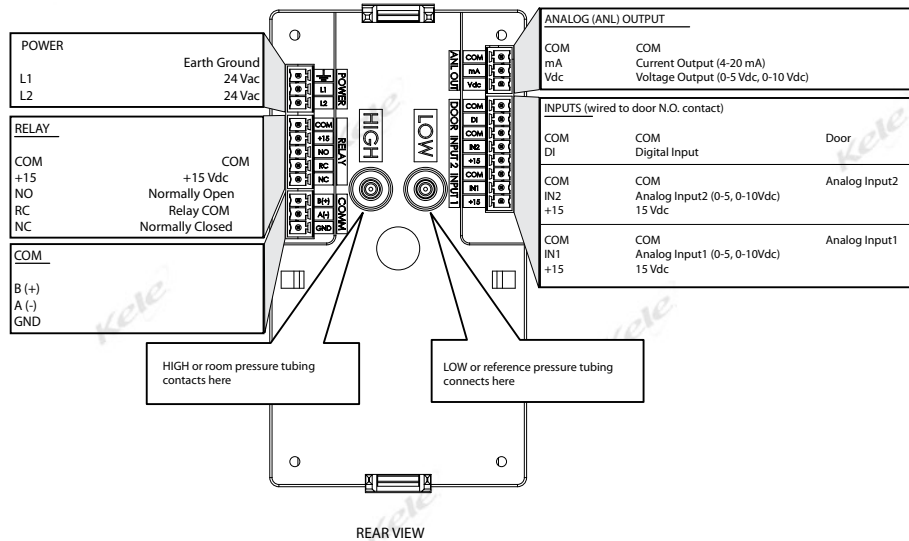
Supply Voltage	18-32 VAC, 50-60HZ, 10VA	Resolution	0.0001" WC
Signal Output (Volts,Current, Switch)	0 to (5,10) VDC or 4-20mA	Sensor Type	Capacitive
Alarm	SPDT, 0.6A @120VAC, 2A @ 30 VDC	Normal Measurement Range	±0.05" to 5" WC
Max Voltage Output Impedance	5KΩ	Overpressure (Burst)	±27" WC, (Units = 0.1"WC = ±15" WC)
Min Current Output Impedance	510Ω	Max Operating Pressure (Proof)	±27" WC, (Units = 0.1"WC = ±15" WC)
Digital Input	Dry contact door switch	Operating Temperature	32° to 120°F (0° to 50°C)
Analog Input	Two 0-(5,10VDC) or 4-20mA inputs (for opt. remote pressure sensors)	Operating Humidity	5 to 95% RH (Non-condensing)
Setpoint (SP)	Adjust Local Alarm value set on touch screen	Wetted Parts	Stainless steel, glass, silicone, brass, steel
Control Type	Single room differantial pressure monitor	Media Compatibility	Inert dry air
Communication (if any)	BACnet MS/TP	Process Connection	Two-3/16" OD brass H/L, for 1/4" OD tubing
Field Interface Devices (order Separately)	RPS SS room pressure probe	Wiring Terminations	3-22, terminals (18-22 AWG)
Display/Audible (If any)	Dimmable color touchscreen 4.3", 480 x 272, 4 color status indicators	Mounting	Flush w/3 gang double deep box (7")
Accuracy	0-4 Audible settings w/ silence switch ±0.5%, ±0.25% optional	Enclosure Rating	NEMA 1 (IP54), LEXAN, UL94V-0
		Dimensions	7.45"W x 5.84"H x 0.38"D, (18.9 x 14.8 x 0.97 cm)
		Weight	1.2 lb (0.55 kg)
		Approvals	UL, CE, CSA, RoHS
		Warranty	1 year

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WIRING



ORDERING INFORMATION

MODEL	DESCRIPTION
SRCM	Room pressure and condition monitor
PRESSURE RANGES	
R05WB	+/-0.05"WC
0R1WB	+/-0.10"WC
R25WB	+/-0.25"WC
0R5WB	+/-0.50"WC
001WB	+/-1.00"WC
2R5WB	+/-2.50"WC
005WB	+/-5.00"WC
025LB	+/-25 Pa
050LB	+/-50 Pa
100LB	+/-100 Pa
250LB	+/-250 Pa
500LB	+/-500 Pa
10CLB	+/-1000 Pa
SUPPLY VOLTAGE	
A1	24 VAC 4-20 mA, 0-5 VDC or 0-10 VDC
A2	24 VAC with BACnet
ACCURACY	
H	+/- 0.5% full scale
F	+/- 0.25% full scale
PRESSURE SNUBBER	
N	No snubber
1	One snubber
2	Two snubbers

RELATED PRODUCTS

RPS
RPS-I
RPS-W
T-101
SRAN

Stainless steel room pressure sensor, 1/4" barb
Ivory plastic room pressure sensor, 1/4" barb
White plastic room pressure sensor, 1/4" barb
1/4" OD black poly tubing, 1 coil, 250 ft (76 m)
Remote annunciator with red and green status LEDs, audible alarm and acknowledge switch