

Model SRIM1

Room Isolation Monitor



The SRIM1 is Setra's standard non-BACnet product measuring low differential pressure in critical applications. The SRIM1 is an ideal solution for anyone who requires cost-effective local monitoring and alarming of a single pressure relationship, but does not require BACnet protocol. The SRIM1 has a two-line LCD display with easy menu navigation and configurable visual/audible alarm setup. The SRIM1 has field selectable output and uses a unique removable faceplate design, allowing the user to fully calibrate the unit without the hassle of removing plumbing or wiring.

Why Use Anything But the Best?

In the most critical of environments where contamination can result in financial loss and even the loss of life, it is no secret why Setra differential pressure sensors are the most trusted in the industry. Setra's capacitive stainless steel design offers the most stable very low differential pressure sensor for building automation systems.

Premium Performance at Affordable Price

The SRIM1 is designed for the facility that needs local alarming on pressure, without paying a premium for the bells and whistles of higher priced devices. The SRIM1 has a configurable audible/visual alarm for pressure, which is easily configured through the 2-line LCD display.

Save Time and Money on Calibration

With requirements to calibrate pressure sensors anywhere from 1-3 times annually, the Setra SRIM1 offers a solution to help you save on calibration time. The SRIM1 allows the end user to remove the sensor without detaching any wiring or plumbing, saving time and money by completing the calibration in minutes.

- Maximize Patient Safety
- Save on Calibration & Installation
- Low-Cost Reliable Solution

Model SRIM1 Features:

- Dead- Ended On-board Sensor - Industry Best Accuracy
- 2-Line LCD Display for Easy Setup and Room Display
- Configurable Audible & Visual Alarm
- Flush Mount (43mm wall depth) and Surface Mount Available
- Field Configurable Output (0-5VDC, 0-10VDC, 4-20mA)
- Removable Faceplate for No Hassle Calibration
- True Selectable 2-Wire 4-20mA Output

Where We're Installed:

- Battelle Laboratories
- Bella Vista Hospital
- Fort Lauderdale Hospital
- Harvard Medical School
- Russell Medical Center

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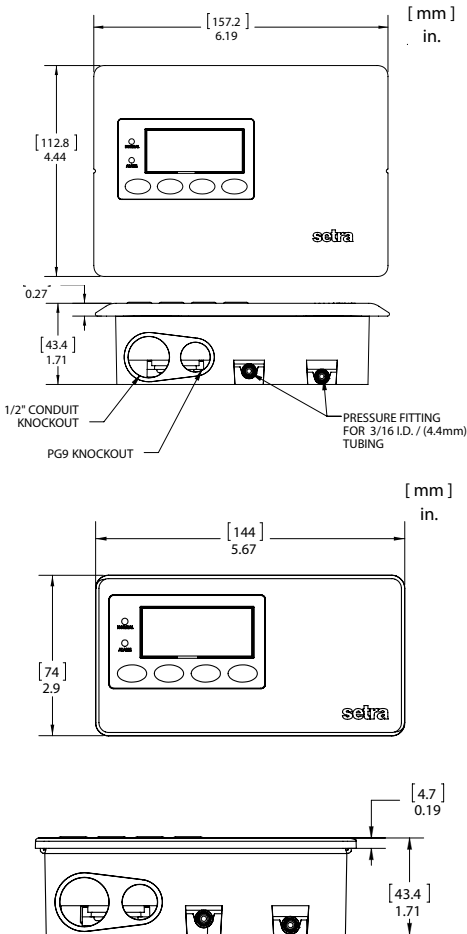
ORDERING INFORMATION

| S | R | I | M | 1 | - | | | | | - | | | | | | | | | |
|---------------|-----------------|-----------|-------|-----------|-----------|-------|--------------|----------------|----------|-------------|---------------|---------------------|----------|------------------------|------------------|------------|--|--|--|
| Model | Pressure Ranges | | | | | | Type** | | Output** | | Mounting/Logo | | Accuracy | | Pressure Snubber | | | | |
| SRIM1 = SRIM1 | (in W.C.) | | | (Pascals) | | | Differential | | 11 | 4 to 20mA | WL | Wall Mount w/ Logo | C | ±1.0% FS | N | None | | | |
| | R05W* | 0 to 0.05 | ±0.05 | Z02L | 0 to 12.5 | ±12.5 | D | Unidirectional | 2B | 0 to 5 VDC | DL | Duct Mount w/ Logo | F | ±0.25% FS w/ cal. cert | 1 | Quantity 1 | | | |
| | OR1W | 0 to 0.1 | ±0.1 | O25L | 0 to 25 | ±25 | B | Bidirectional | 2C | 0 to 10 VDC | WN | Wall Mount, No Logo | H | ±0.05% FS w/ cal. cert | 2 | Quantity 2 | | | |
| | R25W | 0 to 0.25 | ±0.25 | O50L | 0 to 50 | ±50 | | | | | DN | Duct Mount, No Logo | G | ±1.0% FS w/ cal. cert | | | | | |
| | OR5W | 0 to 0.5 | ±0.5 | 100L | 0 to 100 | ±100 | | | | | | | | | | | | | |
| | O01W | 0 to 1.0 | ±1.0 | 250L | 0 to 250 | ±250 | | | | | | | | | | | | | |
| | 2R5W | 0 to 2.5 | ±2.5 | 500L | 0 to 500 | ±500 | | | | | | | | | | | | | |
| | O05W | 0 to 5.0 | ±5.0 | 10CL | 10CL | 10CL | | | | | | | | | | | | | |
| | | | | 25CL | 0 to 2500 | ±2500 | | | | | | | | | | | | | |

*available in unidirectional only
**Field Configurable but factory configured for cal certs.

Example: Part No. SRIM2R05WD11WCL1 = Model SRIM2, 0 to 0.05 in. W.C. Pressure Range, Unidirectional, 4 to 20 mA Output, Wall Mount with Logo, ±1.0% FS Accuracy, 1 Snubber

DIMENSIONS



GENERAL SPECIFICATIONS

| Performance Data | | | | Environmental Data | |
|---|---|---------------|-----------------|--|--|
| | Code F | Code H | Code C/G | Operating Temp. °F (°C) | 22 to +140 (-6 to +60) |
| Accuracy RSS* | ±0.25% FS | ±0.5% FS | ±1.0% FS | Operating Humidity | 5 to 95% RH (Non-Condensing) |
| Non-Linearity (BFSL) | ±0.22% FS | ±0.49% FS | ±0.98% FS | Electrical Data | |
| Hysteresis | ±0.1% FS | ±0.1% FS | ±0.1% FS | Circuit | 3-Wire (Exc, Out, Com) 2-Wire (+Exc, Com) |
| Non-Repeatability | ±0.05% FS | ±0.05% FS | ±0.05% FS | Output (field selectable) | 0 to 5 VDC, 0 to 10 VDC, 4 to 20 mA |
| Zero/Span Setting Tol. | ±0.5% FS | ±0.5% FS | ±1.0% FS | Excitation | 18 to 32 VDC |
| Thermal Effects | | | | Current Consumption | 5 mA (voltage output mode) |
| Compensated Range °F (°C) | 40 to 120 (4.5 to 50) | | | Physical Description | |
| Zero/Span Shift %FS** | ±0.02% FS/deg° Typ. | | | Electrical Connection | Screw Terminal |
| Overpressure | Up to 10 PSI (Range Dependent) | | | Weight | 8.9 oz (Duct) 9.8 oz (Wall) |
| Pressure Media | | | | Display | Custom 2-Line Character LCD |
| Air or non-conductive, non-explosive gases. | | | | Pressure Fittings | Barbed Fittings for 1/4" Tubing |
| Certifications | | | | Case | Fire Retardant Plastic UL94V-0 |
| CE | EN61326-1 & EN61326-2-3 BASIC Immunity & Class B Emission | | | *RSS of Non-Linearity, Non-Repeatability & Hysteresis at constant temp. **Units calibrated at nominal 21°C. Max thermal error computed from this datum. | |
| RoHS | | | | | |