

Model SRIM

Room Isolation Monitor



Wall Mount



Duct Mount

FEATURES

- Large 2-Line LCD Display
- Membrane Keypad for Ease of Configuration & Menu Navigation
- Upper/Lower Alarm Limit Setting
- Wall & Duct Mount Versions
- Mounting Thickness <50mm
- Easy Calibration without Removing the Wiring or Plumbing
- True 2-Wire 4 to 20 mA, 0 to 5 VDC & 0 to 10 VDC, Field Selectable
- Unidirectional or Bidirectional Ranges
- Accuracy Options: $\pm 1.0\%$, $\pm 0.5\%$, $\pm 0.25\%$ FS
- Ranges as Low as ± 0.05 in. W.C.
- CE Compliant

APPLICATIONS

- Pharmaceutical Manufacturing
- Hospitals
- Laboratories
- Vivariums

DESCRIPTION

In a pharmaceutical, hospital, laboratory, or animal research facility, the integrity of the ventilation control system is at the heart of a contaminant free environment. Whether a room is to be maintained at a positive pressure to prevent product contamination or a negative pressure to prevent contaminants from escaping into adjacent areas, the proper pressurization of the room is essential.

To assure proper pressurization is maintained in these critical environments, a room pressure monitor is employed to measure and alert staff and personnel of any change in pressure no matter how small. A fail-safe solution to monitoring these very low pressure changes is Accutrol's Model SRIM room pressure monitor, which utilizes highly accurate capacitance sensing technology to measure and display true low pressure differential.

SPECIFICATIONS

Performance Data				Physical Description		Electrical Data	
	Code F	Code H	Code C/G	Electrical Connection	Screw Terminal	Circuit	3-Wire (Exc, Out, Com)
Accuracy RSS*	±0.25% FS	±0.5% FS	±1.0% FS	Dimensions	See reverse side	Output	0 to 5 VDC, 0 to 10 VDC, 4 to 20 mA (Loop Powered)
Non-Linearity (BFSL)	±0.22% FS	±0.49% FS	±0.98% FS	Weight	8.9oz (Duct), 9.8oz (Wall)	Excitation	18 to 32 VDC
Hysteresis	±0.1% FS	±0.1% FS	±0.1% FS	Display	Custom 2-Line Character LCD	Current Consumption	5 mA (voltage output mode)
Non-Repeatability	±0.05% FS	±0.05% FS	±0.05% FS	Pressure Fittings	Barbed Fittings for 1/4" Tubing	*Calibrated into a 50K ohm load, operable into a 10K ohm load or greater	
Zero Setting Tol.	±0.5% FS	±0.5% FS	±1.0% FS	Case	Fire Retardant Plastic UL94V-0	Pressure Media	
Span Setting Tol.	±0.5% FS	±0.5% FS	±1.0% FS			Air or non-conductive, non-explosive gases	
Thermal Effects				Environmental Data		Certifications	
Compensated Range	±0.06% FS/C			Temperature		CE	EN61326-1 & EN61326-2-3 BASIC Immunity & Class B Emission
Overpressure	Up to 10 PSI			Operating	21.2 to +140°F (-6 to +60°C)	RoHS	
*RSS of Non-Linearity, Non-Repeatability & Hysteresis at constant temp. **Units calibrated at nominal 21°C. Max thermal error computed from this datum.				Storage	-4 to +185°F (-20 to +85°C)	Specifications Subject to Change without Notice	
				Operating Humidity	5 to 95% RH (non-condensing)		

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ORDERING INFORMATION

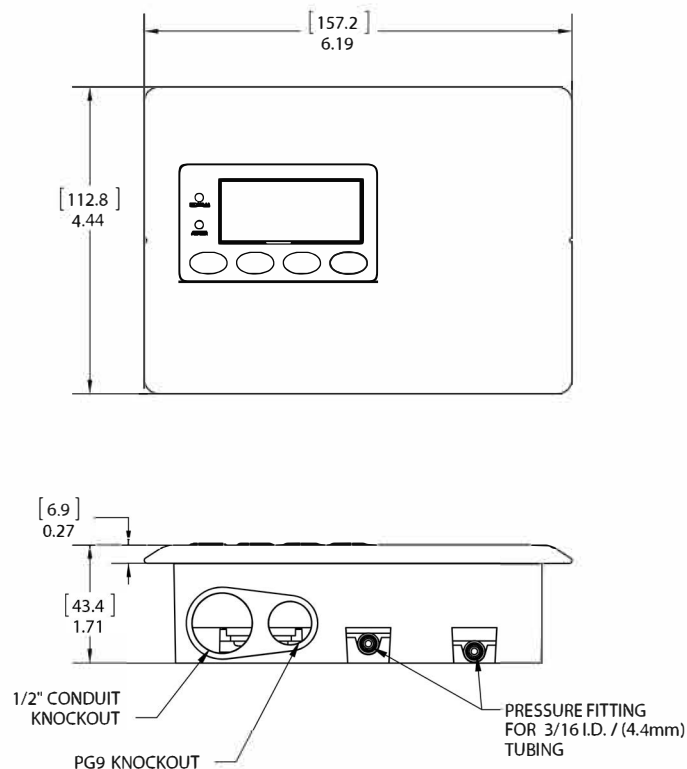
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Model	Pressure Ranges		Type	Output	Mounting/Logo		Accuracy	Pressure Snubber		Option
Model SRIM	in. W.C.		Differential	11 4 to 20 mA	WL	Wall Mount, w/ Logo	C $\pm 1.0\%$ FS	N	Quantity 0	N
	R05W*	0 to 0.05 ± 0.05	D Unidirectional	2B 0 to 5 VDC	DL	Duct Mount, w/ Logo	F $\pm 0.25\%$ FS w/ cal. cert	1	Quantity 1	
	0R1W	0 to 0.1 ± 0.1	B Bidirectional	2C 0 to 10 VDC	WN	Wall Mount, No Logo	H $\pm 0.5\%$ FS w/ cal. cert	2	Quantity 2	
	R25W	0 to 0.25 ± 0.25	*available in unidirectional only		DN	Duct Mount, No Logo	G $\pm 1.0\%$ FS w/ cal. cert			
	0R5W	0 to 0.5 ± 0.5								
	001W	0 to 1.0 ± 1.0								
	2R5W	0 to 2.5 ± 2.5								
	005W	0 to 5.0 ± 5.0								
	Pascals									
	Z02L	0 to 12.5 ± 12.5								
	025L	0 to 25 ± 25								
	050L	0 to 50 ± 50								
	100L	0 to 100 ± 100								
	250L	0 to 250 ± 250								
	500L	0 to 500 ± 500								
	10CL	0 to 1000 ± 1000								
	25CL	0 to 2500 ± 2500								

Example: Part No. SRIMR05WD11WLC1NE = Model SRIM, 0 to 0.05 in. W.C. Pressure Range, Unidirectional, 4 to 10 mA Output, Wall Mount with Logo, $\pm 1.0\%$ FS Accuracy, 1 Snubber

DIMENSIONS

Wall Mount



Duct Mount

