



Room Status Monitor

For Sensing Low Pressure Using High Accuracy

Models Select Chart

EXAMPLE	RSM	1	A	Series RSM-1-A Room Status Monitor, range $\pm 0.05''$ w.c., 24 VAC/4-20 mA or 0-5 VDC.
SERIES	RSM			Room Status Monitor
RANGE		1		$\pm 0.05''$ w.c.
		2		$\pm 0.10''$ w.c.
		3		$\pm 0.25''$ w.c.
		4		$\pm 0.50''$ w.c.
		5		$\pm 1.00''$ w.c.
		6		$\pm 2.50''$ w.c.
EXCITATION/OUTPUT			A	24 VAC/4-20 mA or 0-5 VDC
			B	120 VAC/4-20 mA or 0-5 VDC
			C	24 VAC/4-20 mA or 0-5 VDC with Bacnet MS/TP ASC
			D	120 VAC/4-20 mA or 0-5 VDC with Bacnet MS/TP ASC

Accessories

Model	Description
A-285	Remote alarm annunciator with visible/audible alarm and acknowledge switch.
A-465	Flush mount space pressure sensor
A-417A	Static pressure pickup. For use in clean rooms, 60 micron filter picks up static pressure. Stainless steel wall plate fits 2" x 4" electrical box. Sealed with foam gasket, screws included. Barbed brass fitting holds 1/8" to 3/16" ID tubing.
A-418E	Static Pressure Pickup, European housing. Room mount with plastic enclosure fits 2" x 4" electrical box. Fine mesh screen hides static pressure pickup port. Clean connection to 1/8" to 3/16" ID tubing and pressure sensor. Sealed with foam gasket, screws included.
A-418N	Static Pressure Pickup, North American housing. Room mount with plastic enclosure fits 2" x 4" electrical box. Fine mesh screen hides static pressure pickup port. Clean connection to 1/8" to 3/16" ID tubing and pressure sensor. Sealed with foam gasket, screws included.
A-419A	Static pressure pickup ceiling mount. Plate rests on top of standard 3/4" thick ceiling tile while 60 micron filter faces down through 5/8" hole in tile. Filter is barely noticeable in room being monitored. Unit mounts to junction box. Barbed brass fitting holds 1/8" to 3/16" ID tubing.
A-420A	Static pressure pickup for roof or outside mount. Reduces effects of wind gusts to keep pressure readings stable when plate is parallel to ground. Structure withstands harsh environmental elements. Structure is 3-1/4" across and 2-3/8" deep. EMT Conduit fitting is 1/2". Pressure connection is brass barbed fitting for 1/8" and 3/16" ID tubing.
A-421	Static pressure tip measures duct static air pressure, assembly includes 6" probe, silicon rubber hose and screws, built-in surge damper ensures stable readings, pressure spike reducer can be added to further smooth over pressure fluctuations.

Specifications:-

Service	:	Air or nonconductive, nonexplosive gases.
Accuracy	:	±0.5% FS.
Temperature Limits	:	32 to 120°F (0 to 50°C).
Humidity Limits	:	5 to 95% relative humidity (non-condensing).
Thermal Effects	:	±0.03% FS/ °F (± 0.05% FS/ °C).
Pressure Limits	:	±15 in w.c. (±3.7 kPa).
Supply Voltage	:	Order Code A (24 VAC): 18-32 VAC, 50-60 Hz. Order Code B (120 VAC): 85-265 VAC, 50-60 Hz. Main supply voltage fluctuations up to 10%.
Power Consumption (voltage output)	:	5 W.
Output Signal	:	Selectable 4-20 mA (2-wire), 0-5 VDC (3-wire), or 0-10 VDC (3-wire).
Switch Type	:	SPST.
Loop Resistance (4-20 mA output)	:	0-510 Ω.
Electrical Connection	:	Removable terminal block.
Process Connections	:	Barbed fittings for 3/16" ID tubing.
Enclosure Rating	:	NEMA 1 (IP20) rated for indoor applications.
Housing	:	Fire retardant plastic.
Mounting	:	Mount to standard double gang metal electrical box using 4x4" plaster ring adapter.
Dimensions	:	8" H x 5.4" W x 1.8" D (20.3 H x 13.7 W x 4.1 D cm).
Weight	:	1.5 lb (680 g).
Communications	:	BACnet MSTP ASC optional.

Agency Approval	:	CE, CSA (RSM only).