

SENTRY

ROOM PRESSURIZATION MONITOR & CONTROLLER

OPTIONS	<input type="checkbox"/> Monitor only <input type="checkbox"/> Monitor Controller <input type="checkbox"/> 3 Position Mode Selector Switch — [<div style="display: inline-block; vertical-align: middle; margin-left: 5px;"> <input type="checkbox"/> Local <input type="checkbox"/> Remote / Standalone </div>										
PERFORMANCE SPECIFICATIONS – Transmitter											
Ranges.	<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; border-bottom: 1px solid black;"><u>Pressure</u></th> <th style="text-align: left; border-bottom: 1px solid black;"><u>Velocity</u></th> </tr> </thead> <tbody> <tr> <td>0 to ±0.005" w.c.</td> <td>0 to ± 250 FPM</td> </tr> <tr> <td>0 to ±0.015" w.c.</td> <td>0 to ± 450 FPM</td> </tr> <tr> <td>0 to ±0.035" w.c.</td> <td>0 to ± 650 FPM</td> </tr> <tr> <td>0 to ±0.100" w.c.</td> <td>0 to ±1150 FPM</td> </tr> </tbody> </table>	<u>Pressure</u>	<u>Velocity</u>	0 to ±0.005" w.c.	0 to ± 250 FPM	0 to ±0.015" w.c.	0 to ± 450 FPM	0 to ±0.035" w.c.	0 to ± 650 FPM	0 to ±0.100" w.c.	0 to ±1150 FPM
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Accuracy.	Equal to field calibration device.										
Resolution.	±0.05% of full scale.										
Measurement Rate.	10 readings per second.										
Sensor Response Time.	1 ms for a 10% to 90% signal change. 3 ms maximum.										
Temperature Limits.	-20 to 180°F storage. +32 to 120°F operating.										
Signal Lines.	1/2" OD.										
Enclosure.	Painted, NEMA 1. 9.5" x 9.5" x 3"										
Keypad Display.	2x16 LCD. Provides operating mode and digital display of room operating point in Inches W.C. or FPM. Separate Green, Yellow, and Red LED's indicate Normal, Caution, and Alarm room status. Display is updated every 0.5 second. 5.25"(h) x 3.38"(w) x 1.25"(d)										
Power Supply.	24VAC (20-28VAC) or 24VDC, 20-28VDC. Max. load is 750 ohms independent of power supply voltage.										
Power Consumption.	6VA @ 24VAC.										
Circuit Protection.	Power input is fused. <i>Polarity must be maintained when multiple units are powered from the same source.</i>										
Digital Inputs.	Individual dry contact inputs for remote alarm mute/reset, external output hold, room mode (positive, negative), and occupied/unoccupied. Six individual keypad pushbuttons for Mute/Up, Reset/Down, Test/Select, Room Mode, Setpoints, and Alarm Points.										
Digital Outputs.	Form C dry contact for alarm output 5A @ 24VAC/DC or 120VDC. Remote alarm light 100mA @ 24VDC.										
Analog Outputs.	Two 4-20mA outputs for transmitter and controller. Outputs are self-powered, grounded load, 0.05% FS resolution.										

