

MultiRange Pressure Transmitter



Flexible, Field-Configurable

Pressure Transmitter

Features

- Up to 3 pressure ranges in one housing
- Designed to meet NEMA 4 standards with optional gaskets
- Push-button Zero
- Ranges selected by push-on jumpers
- Temperature compensated
- **CE**- certified* (model specific)

Applications

- Measure pressure in an air duct or plenum
- Measure or monitor air in air handling systems where movement, handling and/or cleanliness/quality of air is important
- Monitors blower speed
- Signal air velocity adjustments to computer-controlled, variable-speed fan motor
- Monitor fan operation

The MultiRange Pressure Transmitter design incorporates a microprocessor and either a solid-state, silicon, piezoresistive sensor or a diaphragm based, capacitive cell. The MultiRange product combines these highly stable sensing technologies with its microprocessor technology for improved accuracy and reliability, with field-selectable flexibility for the end-user. The MultiRange Pressure Transmitter offers up to three, field-selectable, pressure ranges in a single unit, which eliminates the need to stock multiple pressure transmitters.

Two, industry standard, analog output versions are available: a 4-20 mA 2-wire loop powered unit, or a field selectable 0-5 VDC/0-10 VDC unit. On VDC output

units, a 0-5 or 0-10 VDC analog output option may be chosen, with either uni-directional or bi-directional range preference. The choice of uni-directional or bi-directional is also available on units with a 4-20 mA output. These selections are accomplished with easy-to-use, push-on jumpers.

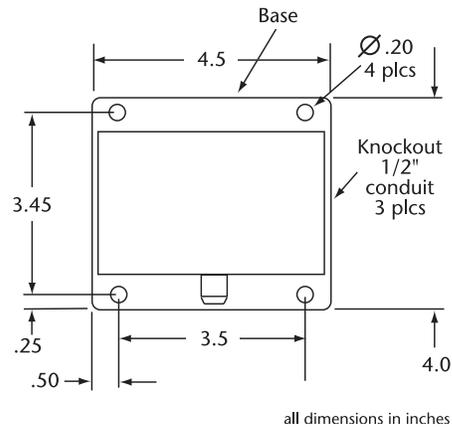
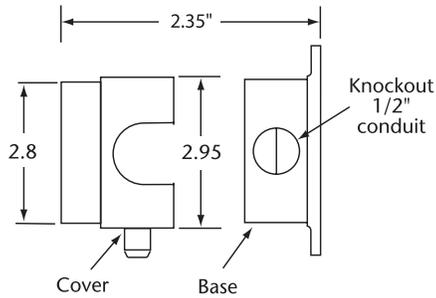
The PC board is mounted inside the cover of the unit, which makes for easy installation, trouble-shooting and/or replacement. The design incorporates a push-button Zero feature, which eliminates traditional “trim pots” that typically require many turns to arrive at a particular setting. A simple push of a button adjusts the Zero of this MultiRange Pressure Transmitter.



GE Measurement & Sensing Technologies

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SPECIFICATIONS / DIMENSIONS*



Dimensions:	4-1/2" L x 3-4/5" W x 2-3/8" D
Material:	Plastic, Noryl
Enclosure:	Designed to meet NEMA 4
Measurement Ranges:	0.1" wc* 25 Pa* 0 to 1.0" wc* 0 to 250 Pa* 0 to 5.0" wc 0 to 1,250 Pa 0 to 10.0" wc 0 to 2.5 kPa 0 to 30" wc 0 to 7.5 kPa
Proof Pressure:	3 times range (momentary)
Operating Temp. Range:	0 to 50°C
Storage Temp. Range:	-30 to 85°C
Relative Humidity:	10% to 90%
Span Tempco:	±0.02% of range/°C
Zero Tempco:	±0.05% of range/°C
Relative Accuracy:	±1.0% of span
Power Requirements:	0-5 volt output 11 to 32 VDC or 11 to 32 VAC RMS 0-10 volt output 14.5 to 32 VDC or 14.5 to 32 VAC RMS 4-20 mA 11 to 32 VDC
Pressure Line Polarity:	Uni-directional or Bi-directional (on-board selectable)
Connections:	Electrical - Terminal Block (screw terminals); #22 - 14 AWG Conduit - 1/2" Pressure Lines - 3/16", barbed fittings
Analog Outputs:	4-20 mA (C version) 0-5 VDC (V version) 0-10 VDC (V version)
User Adjustments:	Zero Pushbutton (hold for 3 seconds)
Approvals:	CE - certified (model specific)

Ordering Information

M R	1	2	3	4	
	1	Range Selection (One choice only)			
		01E 0 - 0.1" wcd*			
		05E 0 - 1.0" wcd* (0.25, 0.50, 1.0" wcd)			
		08E 0 - 5 (1.25, 2.50, 5.0" wcd)			
		09E 0 - 10" wcd (2.50, 5.0, 10" wcd)			
		12E 0 - 30" wcd (7.50, 15.0, 30.0" wcd)			
		01P 0 - 25 Pa*			
		05P 0 - 250 Pa* (62.5, 125, 250 Pa)			
		08P 0 - 1,250 Pa (312.5, 625, 1250 Pa)			
		09P 0 - 2.5 kPa (.625, 1.25, 2.5 kPa)			
		12P 0 - 7.5 kPa (1.875, 3.75, 7.5 kPa)			
	2	Output Selection (One choice only)			
		C = 4 - 20 mA output			
		V = Voltage output (0-5 or 0-10 onboard selectable)			
	3	Offset Option			
		O = No offset			
		B = B Offset			
	4	Options			
		N = NEMA 4			

* Not CE

Specifications subject to change without notice



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