



TRANSMITTER, DIFFERENTIAL PRESSURE (WET OR DRY)

PRESSURE RANGES, 0-1" WCD TO 0-250 PSID

SERIES P-47 (4-20mA, 2-Wire; 4-Wire Current or Voltage Output)

DESCRIPTION

The BEC P-47 Pressure Transmitter is a piezoresistive device which is ideal for applications requiring exact pressure measurement where the benefits of repeatability, low hysteresis and long term stability are important. In addition, ruggedness and reliability are traditional solid state benefits.

Zero and Span thermal effects are maintained at minimum values over typical industrial operating temperature ambients.

APPLICATIONS

BEC P47 Pressure Transducers provide an accurate, reliable and economical means for monitoring differential pressures in HVAC automation, pneumatic systems and process control. The output can be easily interfaced with chart recorders, data loggers, computerized monitoring and control systems.

- Building/Duct Differential Pressure
- Air/Liquid Flow Monitoring
- Air Filter Pressure Differential
- Process Control
- HVAC Automation/Variable Speed Drives
- Level Head Pressure

FEATURES

STANDARD

- 100% Solid State
- Diff. Ranges: 1" WCD to 250 PSID
- Temp. Compensated Linear Analog Output
- Reverse Polarity Protected
- Zero and Span Adjustments

AVAILABLE OPTIONS

- 115 Volt AC Power
- Integral LCD Read-out

Transmitter with
Nema 4 enclosure



Transmitter with display



Transmitter board only
for panel mounting



SPECIFICATIONS

Proof Pressure	100" WC (Under 3" Range)
	20 PSI (3" to 5 PSI Range) 45 PSI (15 to 60 PSI Range)
	60 PSI (15 to 30 PSI Range) 500 PSI (60 PSI and over Range)
Temp. Range Sensing Module	
Operating	-40 Deg C/120 Deg C
Compensated	-30 Deg C/80 Deg C
Transmitter	0 Deg C/50 Deg C
Accuracy	+/- 0.75% FS
Zero & Span Adjustment	+/-10%
Thermal Stability	
Zero	+/-0.02%/Deg C
Span	+/-0.02%/Deg C
Response Time	100 milliseconds
Humidity Effects	5-99% RH Non-Condensing
Media Compatibility	Consult Factory
Shock	+/-0.05% FS for 100 g's, 20 milliseconds
Vibration	+/-0.1% FS for 0-2000 Hz, 20g's
Stability 1 Year	+/-0.3% Span/Year
	(With Existing Zero/Span Potentiometers)

All specifications are subject to change without notice.
All sales subject to standard terms and conditions.
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TRANSMITTER, DIFFERENTIAL PRESSURE (WET OR DRY)

LOW PRESSURE RANGES, 0-1" WCD TO 0-30 PSID

SERIES P-47 (4-20mA, 2-Wire; 4-Wire Current or Voltage Output)

For
Commercial
and Industrial
use only

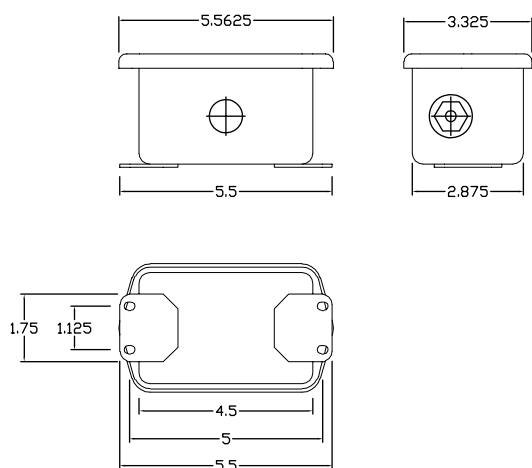
ORDERING INFORMATION

D	P8		47	W	G	0/1"	A	2
REFERENCE D. Diff. Ref.	MFGR'S CODE (Assigned by Factory)		MODEL SERIES (Assigned by factory)	ENCLOSURE X. No Enclosure W. Nema-4, Weatherproof Request	OUTPUT B. 4-20 mA (2-Wire) D. 1-5 Vdc (3 Wire) F. 4-20 mA (4-Wire) G. 0-5 Vdc (4-Wire) H. 0-10 Vdc (4-Wire) Request	RANGES 0 to 1" WCD 0 to 3" WCD 0 to 5" WCD 0 to 10" WCD 0 to 25" WCD 0 to 1 PSID 0 to 5 PSID 0 to 15 PSID 0 to 30 PSID 0 to 50 PSID 0 to 100 PSID 0 to 150 PSID 0 to 200 PSID 0 to 250 PSID Request	POWER A. 24 Vdc B. 24 Vac/dc C. 115 Vac D. 12 Vdc Request	MEDIA 1. Air 2. Water, oil, fuels, lubricants, etc. 3. Freons 4. Steam, soap 5. Caustic vapors 6. Request (Media compatibility should be confirmed before use.)
	SPECIAL REQMTS R. Inverted Output L. LCD Display (Integral)							

DIMENSIONS

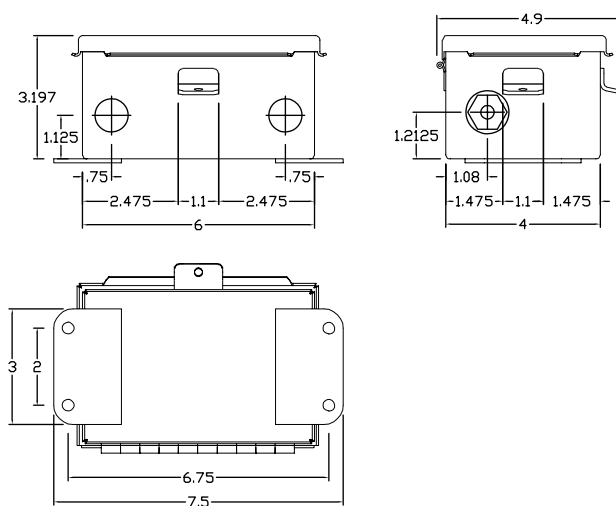
CONSULT FACTORY FOR CRITICAL MOUNTING DIMENSIONS ALL DIMENSIONS IN INCHES

ENCLOSURE STYLE "W" (Nema-4, -12, -13)
(Transmitter without 115 VAC Power)



ENCLOSURE STYLE "W1" (Nema-4, -12, -13)
(Transmitters requiring any of the following:)

• 115 VAC Power



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