

P4 Series

Value Pressure Sensor

Range and output specific models ranging from 0-0.1 to 0-25"
 Optional NIST calibrated high-accuracy Models 0.25% and 0.50%
 Optional pressure probe adapts for duct or remote mounting
 Zero push button and contact closure

DESCRIPTION

The P4 dry media pressure transmitter features fixed ranges optimized for building (zone) pressure, filter measurement, and static duct applications. Innovative static probe integrates with unit or can be mounted remotely for static pressure.

APPLICATIONS

- Building (zone) pressure
- Filter condition measurement
- Duct/static
- OEM HVAC



Versatile probe for duct or remote mount included. Save on probe expense.

PATENT PENDING

FEATURES

Time and space saving installation for field and OEM applications

- 0-5VDC/10VDC or 4-20 mA loop powered output options
- Address duct, filter, and remote probe mounting with a single unit with RP-6 probe addition
- Remote probe mounting accepts both 1/4" and 3/8" ID hose
- Non-position sensitive for easy placement
- DIN mount - forward for LCD panel applications
- Side DIN mount to maximize panel space
- Conduit cover for 3/8" flex connectors

LED for status indication and location in duct work

- LED: Power heartbeat, momentary rapid flash = auto-zero complete, continual rapid flash = 110% over pressure
- LED facilitates locating sensor in duct work



7 year limited warranty



Conduit ready.



Integrated high density mount or flat mount saves valuable panel space.

ORDERING

P4 - [] - [] [] [] [] []

Fixed Range**

0010 = 0-0.10" w.c.
0025 = 0-0.25" w.c.
0050 = 0-0.50" w.c.
0100 = 0-1.0" w.c.
0250 = 0-2.5" w.c.
0500 = 0-5" w.c.
1000 = 0-10" w.c.
2500 = 0-25" w.c.
1250Pa = 0-1250 Pa
2500Pa = 0-2500 Pa
6250Pa = 0-6250 Pa

Output

A = 0-5VDC, 3-Wire
B = 0-10VDC, 3-Wire
C = 4-20mA Loop Powered, 2-wire
D = 4-20mA, 3-wire

Uni or Bi-directional

U = Uni-directional
B = Bi-directional

Accuracy

1 = 1% of selected range
2 = 0.25% of selected range NIST
5 = 0.50% of selected range NIST

Display

L = LCD
X = No Display

Duct Probe

P = Duct Probe
X = No Probe

Example part number P4-0500-CU1LP is a 4-20mA (2-wire), 1% accuracy, uni-directional 0-5" WC sensor with LCD display and Duct Probe.

****Other Fixed Ranges Available Upon Request, Please Consult Factory**

Options

RP-6 Remote probe with integrated snubber for accurate measurements.
CC-1 Replacement Conduit/Terminal Cover

- RP-6 remote probe with integrated snubber for accurate measurements.
- Accepts both 1/8" and 1/4" tubing.
- CC-1 conduit cover has a 3/4" diameter knockout



Integrated dampener for better readings

SPECIFICATIONS

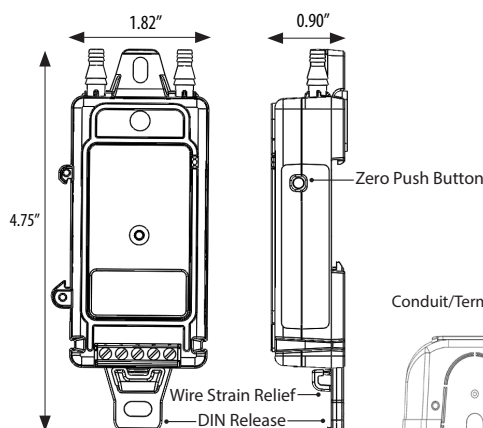
Power Supply		12-30VDC/24VAC(1), 30mA max
Output type	Outputs Available	4-20mA loop powered, 4-20 mA 3-wire, 0-5VDC, 0-10VDC
Fixed Ranges	Multiple Fixed Ranges (Inches of w.c. and Pascals)	0.1"w.c. up to 25"w.c. models 1250 Pa up to 6250 Pa models
Operating Temperature	Operating range	-4 to 185F (-20 to 85°C)
	Compensated range	32 to 122F (0 to 50°C)
Media compatibility		Dry, oil-free air, N2
Sensor Type		MEMS silicon piezoresistive; precision calibrated
Sensor Performance	Accuracy 1.00%	±1.00% of selected range ±0.25% BFSL on units ≥ 0.5"w.c.
	Accuracy 0.25% ⁽²⁾	±0.25% of selected range; 7-point NIST calibrated
	Accuracy 0.50% ⁽²⁾	±0.50% of selected range; 7-point NIST calibrated
	Position Sensitivity	Non-position sensitive
	Zero Drift (1 year)	1% max
Agency	Compliance	CE, RoHS

(1) One side of transformer secondary is connected to signal common. Dedicated transformer is recommended.

(2) Accuracy includes non-linearity, hysteresis, and repeatability at 70°F.

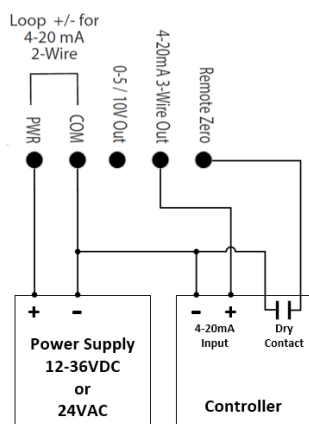
ACCURACY OPTIONS

±1.00%	All ranges available
±0.25%	Available for 0.5" w.c. to 25" w.c. includes 7-point NIST calibration certificate
±0.50%	Available for 0.25" w.c. includes 7-point NIST calibration certificate

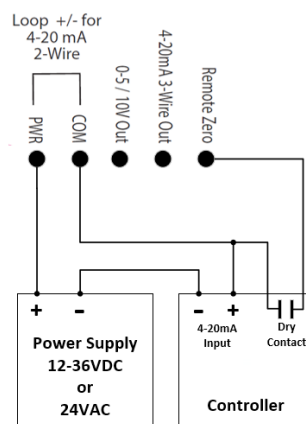


TYPICAL WIRING

3 - Wire 4 - 20mA



2 - Wire 4 - 20mA



Selectable 0-5V and 0-10V

