

P4 Series

Value Pressure Sensor

Range and output specific models ranging from 0-0.1 to 0-25"
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

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), uni-directional 0-5" WC sensor with LCD display and Duct Probe.

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

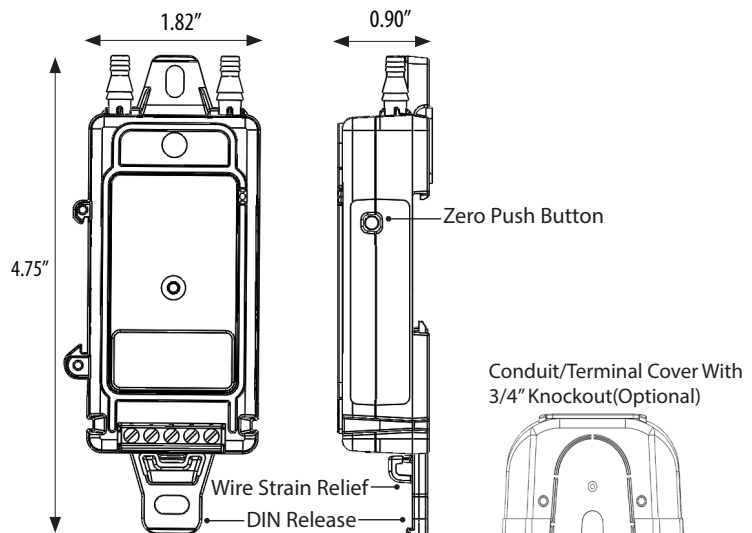
Options

- RP-6 Remote/duct probe, 6"
- 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

SPECIFICATIONS

Power Supply	12-30VDC/24VAC(1), 30mA max
Output type	Outputs Available Multiple Fixed Ranged Models(Inches of w.c. and Pascals)
Fixed Ranges	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%) ±0.25% BFS (Best fit straight line @ 70°F)
	±1.0% of selected range (total error band)
	Non-position sensitive
	Zero Drift (1 year) 1% max
	Auto-zero input Push-button and contact closure
Agency	Compliance CE, RoHS

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



TYPICAL WIRING

