

## Dy Media Low Differential/Static Pressure PDP Series 0-10", 0-25"

High Accuracy | Dual 0-5/10VDC and 4-20mA | NEMA 4 Versions mA

Open Frame  
DIN or screw mount  
PDP30



NEMA 4  
PDP31



NEMA 4 Duct  
Probe PDP32



### Selectable ranges, outputs and stable operation

- Integrated, micromachined silicon piezoresistive sensor
- Three models with three ranges each: 0-10" (Selectable 2.5, 5.0, 10.0"WC) or 0-25" (Selectable 10, 15, 25"WC)
- Applications include duct static pressure and air-flow stations

#### Easy to install and maintain

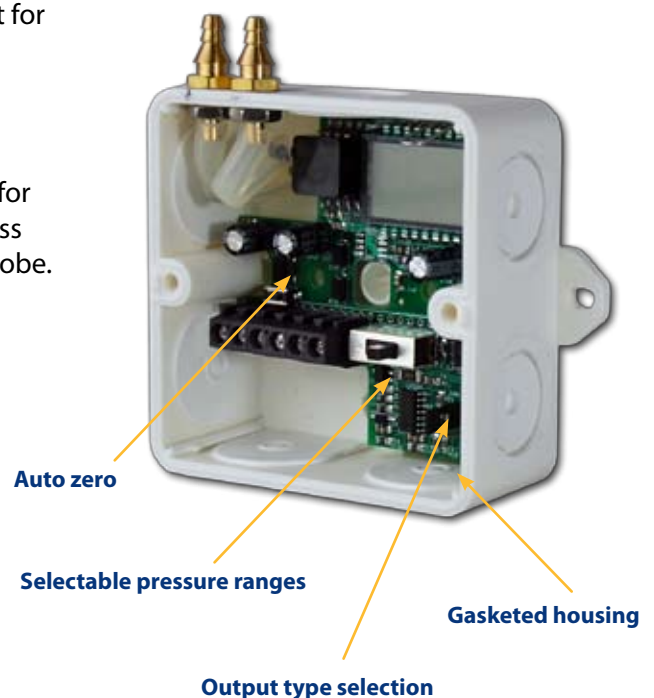
- LCD display for easy setup and commissioning
- Auto zero push button input and auto zero control contact for system accuracy
- Dual outputs 4-20mA and jumper selectable 0-5v or 0-10v

#### Versatile

- Three package styles: Narrow DIN or screw-mount model for crowded control panels, robust NEMA 4 enclosure with brass hose barb fittings or NEMA enclosure with integral duct probe.



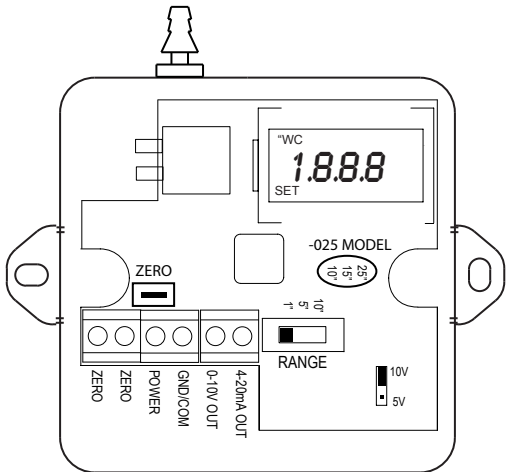
### Easy installation and set up



## SPECIFICATIONS

<b>Power Supply</b>	12-30vdc/24vac(1), 30mA max. (13vdc min for 10V f.s. output)	
<b>Output type</b>	Dual outputs	3-wire 0-5/10vdc and 3-wire 4-20mA
<b>Output scaling</b>	Model P-DP[XX]-010	0-10" (Selectable 2.5, 5, 10"WC)
	Model P-DP[XX]-025	0-25" (Selectable 10, 15, 25"WC)
<b>Operating Temperature</b>	Calibrated range	50 to 140 F (10-60C)
<b>Media compatibility</b>	Dry, oil-free air, N2	
<b>Sensor Type</b>	Integrated, micromachined silicon piezoresistive	
<b>Sensor Performance</b>	Accuracy (Linearity, hysteresis, temperature)	2.5% f.s.
	Auto-zero input	Pushbutton and contact closure input provided
	P-DP30-XXX (Duct or Panel Mount)	IP65, screw mount, brass hose barb fittings
<b>Enclosure</b>	P-DP31-XXX (Duct or Panel Mount)	IP65, screw mount, brass hose barb fittings
	P-DP32-XXX (Duct Mount w/pickup tube)	IP65, screw mount, brass hose barb fitting and static pickup tube

## WIRING DIAGRAMS



**WIRING:**

- POWER = Power Supply +
- GND/COM = Common (power & signal)
- 0-10V OUT = Voltage output 5v/10vdc
- 4-20mA OUT = Current output 4-20mA
- ZERO = Contact closure input

(PWR and GND required for both Vdc and mA operation)

## ORDERING

PDP3

**Package**

- 1 = NEMA 4
- 2 = NEMA 4 with duct probe

**Pressure Range**

- 010 = 0-10" (Selectable 1,5,10"WC)
- 025 = 0-25" (Selectable 10,15,25"WC)