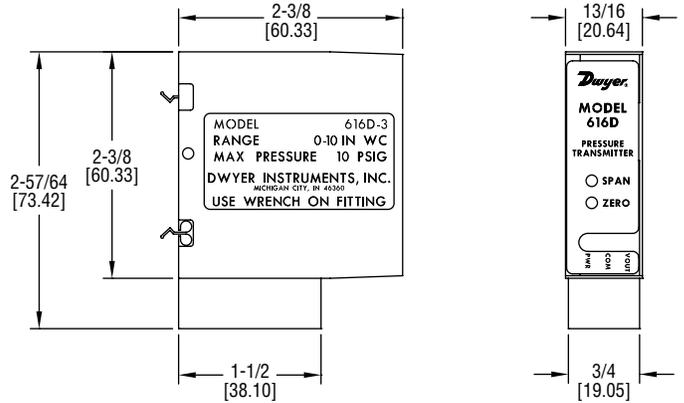


# DIN RAIL DIFFERENTIAL PRESSURE TRANSMITTER

Mounts on 35 mm DIN Rail,  $\pm 0.25\%$  Full Scale Accuracy



The **SERIES 616D** Differential Pressure Transmitter senses the pressure of air and compatible gases and sends a standard 4 to 20 mA or 0 to 10 VDC output signal. The 616D enclosure is specifically designed to mount on a 35 mm DIN rail in a panel. This mounting style allows for several units to be mounted closely together reducing required space. The span and zero controls are for use when checking calibration. They are not intended for re-ranging. Versatile circuit design enables operation in 2-wire current loops.

**FEATURES/BENEFITS**

- Simple calibration push-buttons to set zero and span
- Cost effective and compact device suitable for OEM applications where space, simplicity, and value are key

**APPLICATIONS**

- Air handlers
- Duct pressure
- Variable air volume
- Filter monitoring

MODEL CHART		
Model	Range	Max. Pressure
616D-2	0 to 6 in w.c.	10 psig
616D-3	0 to 10 in w.c.	10 psig
616D-4	0 to 20 in w.c.	20 psig
616D-5	0 to 40 in w.c.	20 psig
616D-6	0 to 100 in w.c.	15 psig
616D-7	0 to 200 in w.c.	45 psig
616D-8	0 to 10 psid	45 psig

**SPECIFICATIONS**

**Service:** Air and non-combustible, compatible gases.  
**Wetted Materials:** Consult factory.  
**Accuracy:**  $\pm 0.25\%$  FS @ 77°F (25°C).  
**Thermal Effect:**  $\pm 0.02$  FS/°F ( $\pm 0.036\%$  FS/°C).  
**Stability:**  $\pm 1\%$  FS/yr.  
**Temperature Limits:** 14 to 185°F (-10 to 85°C).  
**Pressure Limits:** See chart.  
**Power Requirements:** 10 to 35 VDC (2-wire); 17 to 36 VDC, or isolated 21.6 to 33 VAC (3-wire).  
**Output Signal:** 4 to 20 mA (2-wire); 0 to 10 VDC (3-wire).

**Zero and Span Adjustments:** Push buttons.  
**Loop Resistance:** Current output: 0 to 1250  $\Omega$  max; Voltage output: Load resistance 1 k $\Omega$  min.  
**Current Consumption:** 40 mA max.  
**Electrical Connections:** Screw-type terminal block.  
**Process Connections:** 1/8" female NPT. Accessories included are 2 barbed fittings for 1/8" (3.12 mm) and 3/16" (4.77 mm) ID rubber or vinyl tubing.  
**Mounting Orientation:** Vertical, on a 1.378" (35 mm) DIN rail.  
**Weight:** 4.8 oz (136 g).  
**Agency Approvals:** CE

**ACCESSORY**

Model	Description
A-360	Aluminum DIN Rail 1 m