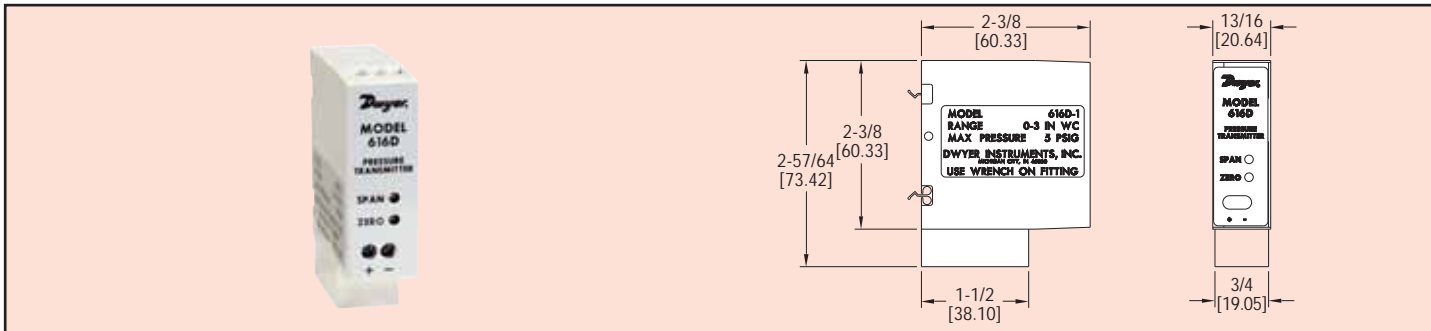




Series  
616D

# DIN Rail Differential Pressure Transmitter

Mounts on 35 mm DIN Rail



The Series 616D Differential Pressure Transmitter senses the pressure of air and compatible gases and sends a standard 4-20 mA output signal. The 616D housing 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. A wide range of models are available factory calibrated to specific ranges as listed in the chart below. The span and zero controls are for use when checking calibration. They are not intended for re-ranging to a significantly different span. Versatile circuit design enables operation in 2-wire current loops.

## SPECIFICATIONS

**Service:** Air and non-combustible, compatible gases.

**Wetted Materials:** Consult Factory.

**Accuracy:**  $\pm 0.25\%$  F.S. at 70°F.

**Stability:**  $\pm 1\%$  F.S./yr.

**Temperature Limits:** 20 to 120°F (-6.67 to 48.9°C).

**Pressure Limits:** See chart.

### Thermal Effect:

$\pm 0.02\%$  F.S./°F (0.0012% F.S./°C).

**Power Requirements:** 10-35 VDC (2-wire).

**Output Signal:** 4 to 20 mA.

## Zero and Span Adjustments:

Potentiometers for zero and span.

**Loop Resistance:** DC: 0-1250 ohms max.

**Current Consumption:** DC: 38 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) I.D. rubber or vinyl tubing.

**Mounting Orientation:** Vertical, on a 1.378" (35 mm) DIN rail.

**Weight:** 4.8 oz (136 g).

Model	Range	Max. Press.	Model	Range	Max. Press.
616D-1	0-3 in w.c.	5 psig	616D-10	0-30 psid	58 psig
616D-2	0-6 in w.c.	5 psig	616D-11	0-50 psid	150 psig
616D-3	0-10 in w.c.	5 psig	616D-12	0-100 psid	150 psig
616D-4	0-20 in w.c.	11 psig	616D-13	0-12 ft w.c.	29 psig
616D-5	0-40 in w.c.	11 psig	616D-14	0-20 ft w.c.	58 psig
616D-6	0-100 in w.c.	29 psig	616D-3B	1.5-0-1.5 in w.c.	5 psig
616D-7	0-200 in w.c.	29 psig	616D-6B	3-0-3 in w.c.	5 psig
616D-8	0-10 psid	58 psig	616D-10B	5-0-5 in w.c.	5 psig
616D-9	0-20 psid	58 psig	616D-20B	10-0-10 in w.c.	11 psig