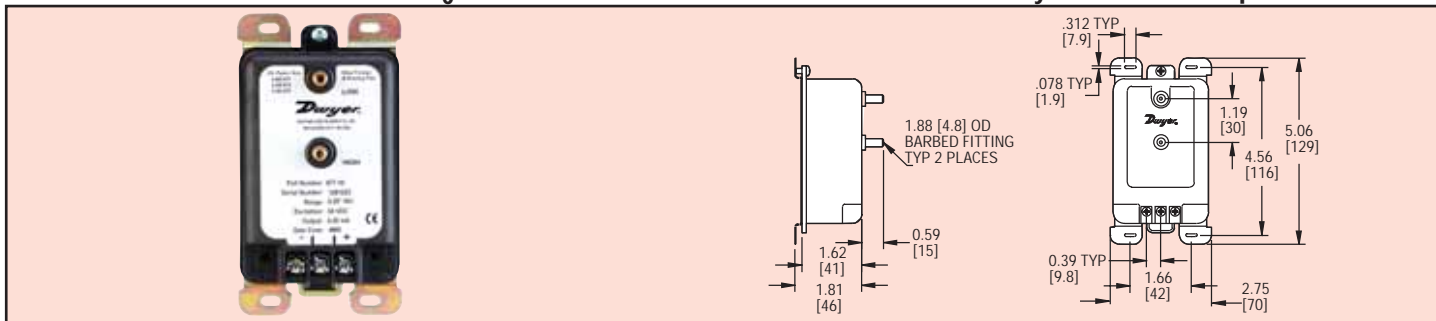




Series
677

Differential Pressure Transmitter

Ranges Down to 0.1" w.c., Low Cost, $\pm 0.4\%$ Accuracy, 4 to 20 mA Output



Series 677 Differential Pressure Transmitters are designed to measure pressures as low as 0.1" w.c. with $\pm 0.4\%$ accuracy. Use Series 677 for building energy management systems, environmental pollution control, oven pressurization, lab and fume hood control, HVAC and VAV applications. The transmitter features 10 psid overpressure, reverse polarity protection and EMI/RFI protection. Internal regulation permits use with unregulated DC power supplies.

MODELS

Model Number	Range	Model Number	Range
677-1	0 to 0.1" w.c.	677-7	0 to 5" w.c.
677-2	0 to 0.25" w.c.	677-8	0 to 10" w.c.
677-3	0 to 0.5" w.c.	677-9	0 to 15" w.c.
677-4	0 to 1" w.c.	677-10	0 to 25" w.c.
677-5	0 to 2.5" w.c.	677-11	0 to 50" w.c.
677-6	0 to 3" w.c.	677-12	0 to 100" w.c.

SPECIFICATIONS

Service: Air and nonconductive, noncorrosive gases.

Wetted Materials: Brass.

Accuracy: $\pm 0.4\%$ full scale (RSS).

Temperature Limits: 0 to 175°F (-18 to 79°C).

Pressure Limits: 5 times full scale or 10 psi, (whichever is greater).

Thermal Effects: $< \pm 0.033\%$ F.S. over 40 to 100°F range.

Power Requirements: 9 to 30 VDC.

Output Signal: 4 to 20 mA DC, 2-wire.

Span and Zero Adjustments:

Externally accessible potentiometers, noninteractive, $\pm 10\%$ F.S. adjustment.

Response Time: 250 msec maximum.

Loop Resistance: 0 to 800Ω (calibrated using 250Ω load @ 24 VDC).

Electrical Connections: Three screw terminals.

Process Connection: 3/16" O.D. barbed brass pressure fitting for 1/4" push-on tubing.

Housing: Fire retardant glass-filled polyester.

Weight: 10 oz (283 g).

Agency Approvals: CE.