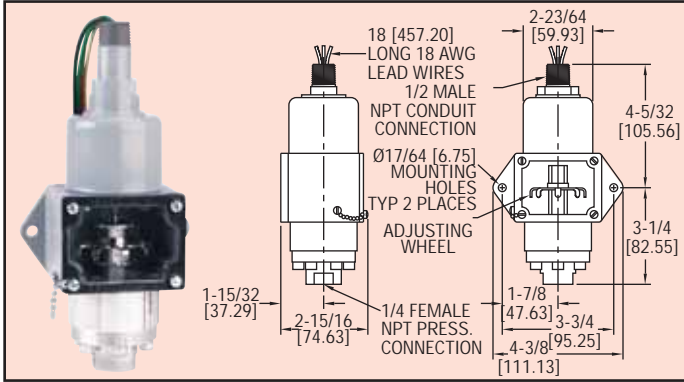




Series
1000E

Explosion-Proof Diaphragm Operated Pressure Switches

Visible Setpoint, Fixed Deadband, Pressure Ranges to 1400 psi



Same rugged construction as used in Series 1000W plus explosion-proof design are combined in this new unit. UL listed for Class I, Groups A, B, C & D; Class II, Groups E, F & G. Bellville spring movement permits mounting of control in any position and helps prevent contact chatter. High over-pressure protection and vibration resistance are also featured.

SPECIFICATIONS

Wetted Materials: See pressure chamber and diaphragm material in model chart.

Temperature Limits: -30 to 170°F (-35 to 77°C).

Pressure Limit: 3000 psig (206.8 bar).

Enclosure Rating: Explosion-proof, UL listed for Class I, Groups A, B, C and D; Class II, Groups E, F, and G.

Switch Type: SPDT snap switch. DPDT or hermetically sealed optional.

Electrical Rating: 15A @ 125/250/480 VAC res., 0.5A @ 125 VDC, 0.25A @ 250 VDC.

Electrical Connections: 18 AWG, 18" (460 mm) long.

Conduit Connection: 1/2" male NPT.

Process Connection: 1/4" female NPT.

Mounting Orientation: Any position.

Set Point Adjustment: Internal thumbwheel.

Weight: 3 lb (1.4 kg).

Deadband: See model chart.

Agency Approvals: CE, UL.

Aluminum Press. Chamber Polyimide Diaph. Model	316 SS Pressure Chamber FEP Diaphragm Model	Adjustable Operating Range psig (bar)	Approx.* Deadband (Fixed) psig (bar)
1003E-A1-J	1003E-B3-J	5-40 (.48-2.8)	2.5 (.17)
1004E-A1-J	1004E-B3-J	10-70 (.69-4.8)	5 (.34)
1005E-A1-J	1005E-B3-J	25-200 (1.7-13.8)	10 (.69)
1006E-A1-J	1006E-B3-J	50-350 (3.5-24.1)	18 (1.2)
1007E-A1-J	1007E-B3-J	75-550 (5.2-37.9)	36 (2.5)
1008E-A1-J	1008E-B3-J	100-900 (6.9-62.1)	60 (4.1)
1009E-A1-J	1009E-B3-J	200-1400 (13.8-96.5)	90 (6.2)

*Deadband 10-15% larger when using 316SS diaphragm. Change A1 to B2 for 316 SS diaphragm and pressure chamber e.g. 1003E-B2-J. Values shown are for mid-scale.