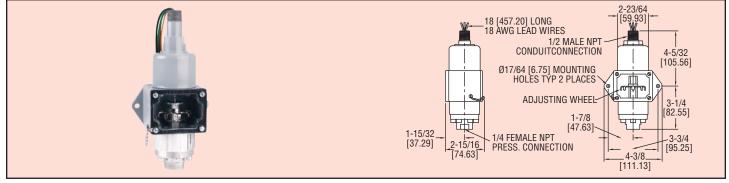


Explosion-Proof Diaphragm Operated Pressure Switches

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.

| Aluminum Press. Chamber Polyamide Diaph. Model | Model | 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) | |

*Deadband 10-15% larger when using 316 SS diaphragm.

Change A1 to B2 for 316 SS diaphragm and pressure chamber e.g. 1003E-B2-J. Values shown are for mid-scale.

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. Hermetically sealed optional. Electrical Rating: 15A @ 125/250/480 VAC res., 0.5A @ 125 VDC, 0.25A @ 250 VDC. Wiring Connections: 18 AWG, 18" (460 mm) color-coded leads: N.O. (yellow), N.C. (black), and common (red).

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.