**Series 1000W**

**Weatherproof Diaphragm Operated Pressure Switches**

Visible Setpoint, Fixed Deadband, Pressure Ranges to 1400 psi

Extremely rugged construction provides excellent reliability in chemical, petroleum and industrial plants. Bellville spring movement permits mounting of control in any position and helps prevent contact chatter. New design also provides high over-pressure protection. Weatherproof housing is standard.

**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:** Weatherproof, meets NEMA 4X (IP66).

**Switch Type:** SPDT snap switch.

**Electrical Rating:** 15A @ 125/250 VAC resistive.

**Electrical Connections:** Screw type.

**Conduit Connection:** 3/4" female NPT.

**Process Connection:** See model chart.

**Mounting Orientation:** Any position.

**Set Point Adjustment:** Internal thumbwheel.

**Weight:** 3 lb (1.4 kg).

**Agency Approvals:** CE, UL.

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### Model Chart

<table>
<thead>
<tr>
<th>Model</th>
<th>Diaphragm Material</th>
<th>Pressure Chamber Material</th>
<th>Adjustable Operating Range (psig)</th>
<th>Approx. Deadband (Fixed) psig</th>
</tr>
</thead>
<tbody>
<tr>
<td>1003W-A1-D</td>
<td>Polyamide</td>
<td>316 SS</td>
<td>50-80 (3.5-5.5)</td>
<td>2.5 (17)</td>
</tr>
<tr>
<td>1004W-A1-D</td>
<td>Polyamide</td>
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<tr>
<td>1009W-A1-D</td>
<td>Polyamide</td>
<td>316 SS</td>
<td>50-80 (3.5-5.5)</td>
<td>2.5 (17)</td>
</tr>
</tbody>
</table>

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

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

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### 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. Hermetically sealed optional.

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

**Electrical Connections:** 18 AWG, 18" (460 mm) color-coded leads: N.O. (yellow), N.C. (black), and common (red).

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

**Conduit Connection:** 3/4" female NPT.

**Process Connection:** See model chart.

**Mounting Orientation:** Any position.

**Set Point Adjustment:** Internal thumbwheel.

**Weight:** 3 lb (1.4 kg).

**Agency Approvals:** CE, UL.

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<th>Diaphragm Material</th>
<th>Pressure Chamber Material</th>
<th>Adjustable Operating Range (psig)</th>
<th>Approx. Deadband (Fixed) psig</th>
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<tbody>
<tr>
<td>1003E-A1-J</td>
<td>Polyamide</td>
<td>316 SS</td>
<td>50-80 (3.5-5.5)</td>
<td>2.5 (17)</td>
</tr>
<tr>
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*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.