Rugged Series A4 Differential Pressure Switch offers field adjustments and can handle system pressures up to 6000 psig. Piston design allows mounting in any orientation. The switch is capable of carrying moderate shock and vibratory loads.

MODELS

<table>
<thead>
<tr>
<th>Model</th>
<th>Repeatability psi (bar)</th>
<th>Set Point psid (bar)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Increasing</td>
</tr>
<tr>
<td>A4-1</td>
<td>±±2 (14)</td>
<td>7-13 (48.9)</td>
</tr>
<tr>
<td>A4-2</td>
<td>±4 (28)</td>
<td>13-25 (89.1)</td>
</tr>
<tr>
<td>A4-3</td>
<td>±8 (55)</td>
<td>25-45 (173.1)</td>
</tr>
<tr>
<td>A4-4</td>
<td>±16 (1.1)</td>
<td>35-160 (2410.9)</td>
</tr>
<tr>
<td>A4-5</td>
<td>±32 (2.2)</td>
<td>120-250 (8317.2)</td>
</tr>
</tbody>
</table>

SPECIFICATIONS

Service: Compatible gases.
Temperature Limits: -65 to 225°F (-54 to 107°C).
Pressure Limit: Maximum pressure of the operating range.
Repeatability: See table.
Switch Type: SPDT.
Electrical Rating: AC: 3 VA, 0.25A @ 120 VAC; DC: 5 VA, 0.25A @ 175 VDC.
Electrical Connection: 24 AWG X 12" (30.5 cm) wire leads.
Process Connection: 1/4" female NPT.
Mounting Orientation: Any.
Set Point Adjustment: See table.
Weight: 8.5 oz (241 g).
Agency Approvals: CE.

Welded stainless steel Bourdon tubes reduce chance of leakage, even in the event of fire, in model BB differential pressure switches. Units are ideal for checking differential pressure (head) across high pressure pumps and filters. Hermetically sealed mercury wetted contacts help ensure reliable operations. Extra sensitive (fixed dead-band) units are available on special order, as are weatherproof and explosion-proof enclosures.

SPECIFICATIONS

Wetted Materials: 403 SS Bourdon tube. 316 SS optional.
Temperature Limits: -10 to 180°F (-23 to 82°C).
Pressure Limit: Maximum pressure of the operating range.
Enclosure Rating: General purpose. Weatherproof and explosion-proof optional.
Switch Type: SPST mercury switch. Models shown close on increase of differential pressure. Replace "-3" with "-2" in model number for open on increase.
Electrical Rating: 5A @ 120 VAC, 2.5A @ 240 VAC, 2.5A @ 120 VDC, 1A @ 240 VDC.
Electrical Connections: Screw type.
Conduit Connection: 7/8" (22.23 mm) hole for 1/2" (12.7 mm) conduit hub.
Process Connection: 1/4" male NPT. 1/2" male NPT on ranges 15S and 16S.
Set Point Adjustment: Thumbwheel screw.
Weight: 4 lb (1.8 kg).
Deadband: See model chart.
Agency Approvals: CSA.

Suggested Specification:
Differential pressure switches shall be operated by welded type 403 SS Bourdon tubes. No elastomeric or plastic O-rings, diaphragms or packing shall be used in pressure containment. Contacts shall be hermetically sealed and mercury wetted. Units shall be Mercoid Differential Pressure Switch Model No. BB (___).