DUAL-ACTION EXPLOSION-PROOF PRESSURE SWITCHES

Expansion-proof and Weatherproof Enclosure

EXPLOSION-PROOF, UL & CSA LISTED FOR CLASS I, GROUPS B, C & D AND CLASS II, GROUPS E, F & G. The H2 is designed for sequencing two different actions as pressure of a liquid or gas increases or decreases. The design consists of two concentric pistons operated by a single diaphragm with one pressure chamber. Each piston actuates a separate switch independent of the other. The switches may be adjusted to operate together, at opposite ends of the range or at two intermediate set points. The threaded top is removed to field adjust or service switches without disturbing electrical or pressure connections. The Duotect® switch is explosion-proof and weatherproof. It can be mounted in any position and is not affected by vibration.

SERIES H2

DUAL-ACTION EXPLOSION-PROOF PRESSURE SWITCHES

Series A1F

LOW COST OEM PRESSURE SWITCH

Field Installable Weatherproof Enclosure


SERIES A1F

LOW COST OEM PRESSURE SWITCH

Field Installable Weatherproof Enclosure

Model Chart

<table>
<thead>
<tr>
<th>Model</th>
<th>Low Range psig (bar)</th>
<th>High Range psig (bar)</th>
</tr>
</thead>
<tbody>
<tr>
<td>H2S-1</td>
<td>3-40 (0.21-2.76)</td>
<td>5-75 (0.35-5.17)</td>
</tr>
<tr>
<td>H2S-2</td>
<td>25-250 (1.72-17.2)</td>
<td>30-400 (2.07-27.6)</td>
</tr>
<tr>
<td>H2S-3</td>
<td>100-1000 (6.89-68.9)</td>
<td>150-1500 (10.3-103)</td>
</tr>
</tbody>
</table>

SPECIFICATIONS

Wetted Materials: 316 SS chamber with FEP diaphragm and Buna-N O-ring standard. Fluoroelastomer or EPDM O-ring optional.

Temperature Limit: 275°F (135°C). CSA approved; -20 to 90°C (-4 to 184°F).

Pressure Limit: 1500 psig (103 bar).


Switch Type: Two SPDT snap switches.

Electrical Rating: 5 A @ 125/250 VAC. 5 A res., 3 A ind. @ 30 VDC. Gold contacts or 10 A switch optional.

Electrical Connections: 18 AWG, 18” (460 mm) long. Conduit Connection: 3/4” female NPT.

Process Connection: 1/4” female NPT.

Mounting Orientation: Any position.

Set Point Adjustment: Internal nut.

Weight: 2 lb (.9 kg).

Deadband: Approximately 10% of range.

Agency Approvals: CSA, UL.

A1F

A1F with A-447

MODEL CHART

<table>
<thead>
<tr>
<th>Model</th>
<th>Range</th>
<th>Deadband at Min. Range psig (bar)</th>
<th>Deadband at Max. Range psig (bar)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A1F-O-SS-1-1-1</td>
<td>2 to 15</td>
<td>2 (0.14)</td>
<td>3 (0.21)</td>
</tr>
<tr>
<td>A1F-O-SS-1-2-1</td>
<td>4 to 75</td>
<td>4 (0.27)</td>
<td>15 (1.0)</td>
</tr>
<tr>
<td>A1F-O-SS-1-3-1</td>
<td>8 to 225</td>
<td>8 (0.55)</td>
<td>25 (1.7)</td>
</tr>
<tr>
<td>A1F-O-SS-1-4-1</td>
<td>16 to 450</td>
<td>15 (1.0)</td>
<td>50 (3.5)</td>
</tr>
</tbody>
</table>

Note: Optional enclosure factory installed. To order, change O to PC.

Example: A1F-PC-SS-T-1

CONTACT US | U.S. 219/879-8000 | U.K. (+44) (0)1494-461707 | A.U. (+61) (0) 2 4272 2055 | China +852-23181007

89