**DUAL-ACTION EXPLOSION-PROOF PRESSURE SWITCHES**

Explosion-proof and Weatherproof Enclosure

Explosion-Proof, UL & CSA Listed for Class I, Groups B, C & D and Class II, Groups E, F & G. The SERIES 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 SPDT snap switch. The Duotect® switch is explosion-proof and weatherproof. It can be mounted in any position and is not affected by vibration.

**FEATURES/BENEFITS**
- Explosion-proof and weather-proof housing provides device protection for outdoor use or harsh environment operation
- UL listed, CSA approved to support rigorous process applications and regulations
- Independent piston action design for either gas or liquid allows switches to active together or independently based on settings
- Mounting in any position and not affected by vibration provides reliable switching for equipment

**APPLICATIONS**
- Mechanical HVAC or process equipment
- Chemical, petroleum, food and drug processing industries
- Process and Industrial applications

**SERIES A1F | MERCOID® BY DWYER**

**LOW COST OEM PRESSURE SWITCH**

Field Adjustable with Weather-Proof Enclosure

Low cost and precision made, the SERIES A1F Pressure Switch is ideal for OEM industrial applications. Wetted materials of 316 SS and fluorocarbon ensure great chemical compatibility with a wide range of process media. The open style case is perfect for panel mounting applications like pump skids. Weatherproof enclosure is available in polycarbonate offering a low cost weatherproof switch. Superior 15 A contact allows direct control of motors or pumps without the use of external relays, a true cost savings. Features include a convenient indicating scale for quick and easy field adjustment.

**FEATURES/BENEFITS**
- 15 A contact allows direct control reducing costs and reliability by having to introduce additional contacts and relays
- Case style allows use for panel mounting application with optional weather-proof enclosure for use in outdoor environments
- Field adjustable reduces installation time bringing application on-line faster
- Wetted material provides support for wider range of process media

**APPLICATIONS**
- OEM
- Compressors
- Motor control
- Process equipment
- Pump control

**SPECIFICATIONS**
- Wetted Materials: 316 SS chamber with FEP diaphragm and Buna-N O-ring standard. Fluorolastomer 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 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.

**MODEL CHART**

<table>
<thead>
<tr>
<th>Model</th>
<th>Low Range psig (bar)</th>
<th>High Range psig (bar)</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>H2S-1</td>
<td>3 to 40 (0.21 to 2.76)</td>
<td>5 to 75 (0.35 to 5.17)</td>
<td>$744.00</td>
</tr>
<tr>
<td>H2S-2</td>
<td>25 to 250 (1.72 to 17.2)</td>
<td>30 to 400 (2.07 to 27.6)</td>
<td>$744.00</td>
</tr>
<tr>
<td>H2S-3</td>
<td>100 to 1000 (6.89 to 68.9)</td>
<td>150 to 1500 (10.3 to 103)</td>
<td>$744.00</td>
</tr>
</tbody>
</table>

**A1F with weatherproof enclosure**

**SERIES H2 | W. E. ANDERSON™ BY DWYER**

**DUAL-ACTION EXPLOSION-PROOF PRESSURE SWITCHES**

**APPLICATIONS**
- Pump control
- Process equipment
- Compressors
- OEM

**SPECIFICATIONS**
- Wetted Materials: 316 SS chamber with FEP diaphragm and Buna-N O-ring standard. Fluorolastomer 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 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.

**MODEL CHART**

<table>
<thead>
<tr>
<th>Model</th>
<th>Range psig (bar)</th>
<th>Deadband at Min. Range psig (bar)</th>
<th>Deadband at Max. Range psig (bar)</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>A1F-O-SS-1-1</td>
<td>2 to 15 (0.14 to 1.03)</td>
<td>3 (0.21)</td>
<td>65.00</td>
<td></td>
</tr>
<tr>
<td>A1F-O-SS-1-2</td>
<td>4 to 75 (0.28 to 5.17)</td>
<td>15 (1.0)</td>
<td>65.00</td>
<td></td>
</tr>
<tr>
<td>A1F-O-SS-1-3</td>
<td>8 to 75 (0.55 to 5.15)</td>
<td>25 (1.7)</td>
<td>65.00</td>
<td></td>
</tr>
<tr>
<td>A1F-O-SS-1-4</td>
<td>16 to 450 (1.1 to 31.0)</td>
<td>50 (3.5)</td>
<td>65.00</td>
<td></td>
</tr>
</tbody>
</table>

Note: Optional enclosure factory installed. To order, change O to PC and +$52.00 to above prices.

Example: A1F-PC-SS-1-1