**SERIES A1F | MERCOID® BY DWYER**

**OEM PRESSURE SWITCH**

Field Adjustable with Weather-Proof Enclosure

Low cost and precision made, the Series A1F Low Cost OEM 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 case style 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**

- **Service:** Compatible liquids and gases.
- **Wetted Materials:** Pressure chamber: 316 SS; Diaphragm: Fluorocarbon.
- **Temperature Limit:** -40 to 175°F (-40 to 80°C).
- **Pressure Limits:** 500 psig (34 bar).
- **Enclosure Rating:** No rating for open construction. Optional -PC enclosure meets NEMA 4X standards.

**Switch Type:** SPDT snap switch.

**Electrical Rating:** 15 A @ 120/240/480 VAC; 1/8 HP @ 125 VAC; 1/4 HP @ 250 VAC.

**Electrical Connection:** Screw terminals.

**Process Connection:** 1/4” female NPT and 1/2” male NPT.

**Mounting Orientation:** Within 20° of vertical.

**Set Point Adjustment:** Knurled screw cap with indicating scale.

**Deadband:** Fixed. See deadband chart.

**Weight:** 10.5 oz (297 g).

**Agency Approvals:** cULus.

**MODEL CHART**

<table>
<thead>
<tr>
<th>Model</th>
<th>Range psg (bar)</th>
<th>Deadband at Min. Range psg (bar)</th>
<th>Deadband at Max. Range psg (bar)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A1F-O-SS-1-1</td>
<td>2 to 15 (0.14 to 1.03)</td>
<td>2 (0.14)</td>
<td>3 (0.21)</td>
</tr>
<tr>
<td>A1F-O-SS-1-2</td>
<td>4 to 75 (0.28 to 5.17)</td>
<td>4 (0.27)</td>
<td>5 (0.35)</td>
</tr>
<tr>
<td>A1F-O-SS-1-3</td>
<td>8 to 225 (0.55 to 15.5)</td>
<td>8 (0.55)</td>
<td>10 (0.71)</td>
</tr>
<tr>
<td>A1F-O-SS-1-4</td>
<td>16 to 450 (1.0 to 31.0)</td>
<td>16 (1.0)</td>
<td>20 (1.4)</td>
</tr>
</tbody>
</table>

**Note:** Optional enclosure factory installed. To order, change O to PC. Example: A1F-PC-SS-1-1