The Series A1PS/A1VS Economical Pressure Switch is designed with a 15 Amp SPDT switch for direct control of pumps and motors. Available in pressure, vacuum, or compound ranges, the switches offer a field adjustable set point. Easily adjust the switch by aligning the top of the self locking adjusting nut with the desired setting indicated on the adjacent range scale. Connection is 1/4˝ male NPT for quick installation and can be mounted in any position.

**FEATURES/BENEFITS**
- 15 A contact allows direct control reducing costs and reliability by having to introduce additional contacts and relays.
- Field adjustable with simple indicating pointer reduces installation time bringing application on-line faster.

**APPLICATIONS**
- OEM
- Compressors
- Process equipment

**SPECIFICATIONS**
- Service: Compatible liquids or gases.
- Wetted Materials: Capsule: 17-7 PH SS; Fitting: 303 SS.
- Temperature Limits: -31 to 185°F (-35 to 107°C), a set point change of up to 2% when used below -10°F (-23°C) or above 125°F (52°C). Not to exceed 2 CPM. Cycling: Not to exceed 2 CPM. Sensor Element: Capsule. Weight: 3 oz (85 g). Agency Approvals: UL.

### MODEL CHART

<table>
<thead>
<tr>
<th>Model</th>
<th>Set Point Range (psi)</th>
<th>Repeatability (kPa)</th>
<th>Deadband (approx.) (kPa)</th>
<th>Model</th>
<th>Set Point Range (psig)</th>
<th>Repeatability (kPa)</th>
<th>Deadband (approx.) (kPa)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A1PS-14</td>
<td>1.5 to 3.5 (10 to 24)</td>
<td>±0.15 psi (1)</td>
<td>1.0 psi (14 to 34)</td>
<td>A1VS-14</td>
<td>28 Hg to 3.5 psig (-94)</td>
<td>±12 Hg (-4)</td>
<td>6 Hg - 1.5 psi (-20 to 10)</td>
</tr>
<tr>
<td>A1PS-24</td>
<td>3 to 40 (21 to 276)</td>
<td>±1.0 psi (7)</td>
<td>2.5 to 7 psi (30 to 34)</td>
<td>A1VS-24</td>
<td>8-28 Hg (-20 to 94)</td>
<td>±0.15 psi (1)</td>
<td>6 Hg - 1.5 psi (-20 to 10)</td>
</tr>
<tr>
<td>A1PS-34</td>
<td>30 to 150 (207 to 1034)</td>
<td>±2.0 psi (34)</td>
<td>5 to 30 psi (34 to 207)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A1PS-44</td>
<td>100 to 500 (689 to 3445)</td>
<td>±20.0 psi (138)</td>
<td>30 to 120 psi (207 to 827)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**SERIES APS/AVS**

**ADJUSTABLE PRESSURE SWITCH**

Vacuum and Pressure Ranges, 5 A Switch, Compact Size

Miniature Series APS/AVS Adjustable Pressure Switch offers reliable switching for pressure/vacuum alarm, shutdown or control. The units are readily adjustable throughout their range using the locking adjusting ring and indicating pointer. The body is constructed of stainless steel for durability in harsh environments. Switches include 1/2˝ (30 cm) wire leads sealed with epoxy for additional protection.

**FEATURES/BENEFITS**
- Field adjustable with simple indicating pointer reduces installation time bringing application on-line faster.
- Stainless steel construction provides a durable solution in harsh environments.

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

**SPECIFICATIONS**
- Service: Compatible liquids or gases.
- Wetted Materials: Capsule: 17-7 PH SS; Fitting: 303 SS.
- Temperature Limits: -65 to 225°F (-54 to 107°C), a set point change of up to 2% when used below -10°F (-23°C) or above 125°F (52°C). Not to exceed 20 CPM. Sensor Element: Capsule. Weight: 7.4 oz (209 g). Agency Approvals: UR.

### MODEL CHART

<table>
<thead>
<tr>
<th>Model</th>
<th>Set Point Range psi (bar)</th>
<th>Increasing</th>
<th>Repeatability psi (bar)</th>
<th>Decreasing</th>
<th>Deadband psi (bar)</th>
<th>Model</th>
<th>Set Point Range Hg (cm Hg)</th>
<th>Increasing</th>
<th>Repeatability Hg (cm Hg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>APS-150</td>
<td>0.8 to 28.5 (60 to 200)</td>
<td>1.6 to 30.0 (11 to 21)</td>
<td>±0.0 (0.04)</td>
<td>±0.0 (0.04)</td>
<td>0.8 to 1.3 (0.60 to 0.99)</td>
<td>AVS-150</td>
<td>1.6 to 27.1 (71.6)</td>
<td>2.7 to 28.2 (71.6)</td>
<td>±1.2 (3.1)</td>
</tr>
<tr>
<td>APS-250</td>
<td>2.0 to 48.0 (14 to 33)</td>
<td>3.0 to 50.0 (21 to 35)</td>
<td>±0.0 (0.14)</td>
<td>±0.0 (0.14)</td>
<td>1.0 to 1.7 (0.07 to 12)</td>
<td>AVS-250</td>
<td>4.0 to 24.8 (71.6)</td>
<td>5.1 to 28.2 (71.6)</td>
<td>±2.0 (5.1)</td>
</tr>
<tr>
<td>APS-350</td>
<td>3.0 to 96.0 (21 to 78)</td>
<td>4.5 to 100 (31 to 69)</td>
<td>±0.0 (0.35)</td>
<td>±0.0 (0.35)</td>
<td>1.6 to 4 (11 to 28)</td>
<td>AVS-350</td>
<td>6.0 to 21.5 (71.6)</td>
<td>8.4 to 28.2 (71.6)</td>
<td>±4.0 (10.2)</td>
</tr>
<tr>
<td>APS-450</td>
<td>7.5 to 242 (52 to 167)</td>
<td>9.7 to 250 (67 to 172)</td>
<td>±10.0 (89)</td>
<td>±10.0 (89)</td>
<td>2.5 to 9 (17 to 62)</td>
<td>AVS-450</td>
<td>15.2 to 54.6 (71.6)</td>
<td>21.3 to 71.6 (71.6)</td>
<td>±4.0 (10.2)</td>
</tr>
<tr>
<td>APS-550</td>
<td>15.0 to 485 (10 to 33)</td>
<td>20.0 to 500 (14 to 34)</td>
<td>±20.0 (138)</td>
<td>±20.0 (138)</td>
<td>5 to 22 (35 to 1.5)</td>
<td>AVS-550</td>
<td>21.3 to 71.6 (71.6)</td>
<td>21.3 to 71.6 (71.6)</td>
<td>±4.0 (10.2)</td>
</tr>
</tbody>
</table>