Series A1PS/A1VS Economical Pressure Switches are 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.

**SPECIFICATIONS**

- **Service:** Compatible liquids or gases.
- **Wetted Materials:** Diaphragm: Buna-N; Body with fitting: Zinc alloy, chromate finish.
- **Temperature Limits:** -31 to 185°F (-35 to 85°C).
- **Pressure Limits:** 600 psig.
- **Vacuum Limits:** 29.9˝ Hg (vacuum and compound models only).
- **Switch Type:** SPDT snap action.
- **Electrical Ratings:** 15A (resistive) @ 250 VAC, 1/2 HP @ 250 VAC.
- **Electrical Connections:** Three screw terminals.
- **Process Connection:** 1/4˝ male NPT.
- **Setpoint:** Field adjustable via knurled screw cap.
- **Cycling:** Not to exceed 1 Hz.
- **Sensor Element:** Diaphragm.
- **Weight:** 7.4 oz (209 g).
- **Agency Approvals:** UL.

### Model Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Set Point Range (kPa)</th>
<th>Repeatability (kPa)</th>
<th>Deadband (approx.) (kPa)</th>
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<th>Repeatability (kPa)</th>
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</tr>
</thead>
<tbody>
<tr>
<td>A1PS-14</td>
<td>1.5-3.5 psi (10-24)</td>
<td>±1.0 psi (7)</td>
<td>2-5 psi (14-34)</td>
<td>A1PS-14</td>
<td>0-28˝ Hg (0-104)</td>
<td>±0.15 psi (1)</td>
<td>0-1.7 psi (11)</td>
</tr>
<tr>
<td>A1PS-24</td>
<td>3-6 psi (21-37)</td>
<td>3-18 psi (21-126)</td>
<td>5-30 psi (34-207)</td>
<td>A1PS-24</td>
<td>28˝ Hg to 3.5 psi (42 to 24)</td>
<td>0-0.5 psi (0.11)</td>
<td>0-1.7 psi (11)</td>
</tr>
<tr>
<td>A1PS-34</td>
<td>30-150 psi (207-1034)</td>
<td>17-100 psi (112-660)</td>
<td>50-200 psi (340-1340)</td>
<td>A1PS-34</td>
<td>6-28˝ Hg (-20 to -94)</td>
<td>±1.2˝ Hg (-4)</td>
<td>±0.15 psi (1)</td>
</tr>
<tr>
<td>A1PS-44</td>
<td>100-500 psi (689-3445)</td>
<td>17-100 psi (112-660)</td>
<td>50-200 psi (340-1340)</td>
<td>A1PS-44</td>
<td>6-28˝ Hg (-20 to -94)</td>
<td>±1.2˝ Hg (-4)</td>
<td>±0.15 psi (1)</td>
</tr>
</tbody>
</table>

**Miniature Series APS/AVS Adjustable Switches**

- **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).
- **Pressure/Vacuum Limits:** 150% of range.
- **Switch Type:** SPDT snap action.
- **Electrical Ratings:** 5A @ 250 VAC, 3A @ 28 VDC.
- **Electrical Connections:** 3-wire, 20 AWG insulated with PVC, 12˝ (30 cm) length.
- **Process Connection:** 1/8˝ male NPT.
- **Setpoint:** Field adjustable.
- **Cycling:** Not to exceed 20 CPM.
- **Sensor Element:** Capsule.
- **Weight:** 3 oz (85 g).
- **Agency Approval:** UL.

### Model Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Set Point Range (psi)</th>
<th>Repeatability (psi)</th>
<th>Deadband (approx.) (psi)</th>
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<th>Set Point Range (psi)</th>
<th>Repeatability (psi)</th>
<th>Deadband (approx.) (psi)</th>
</tr>
</thead>
<tbody>
<tr>
<td>APS-150</td>
<td>0.6-28.5 (4-191)</td>
<td>±0.1-1.5 (0.1-10)</td>
<td>±0.5-3.0 (3-20)</td>
<td>APS-150</td>
<td>1.0-2.7 (3.5-19)</td>
<td>±0.2-1 (0.7-6)</td>
<td>±0.5-3 (3-30)</td>
</tr>
<tr>
<td>APS-250</td>
<td>2.0-48.0 (14-317)</td>
<td>±0.2-2.0 (1.5-15)</td>
<td>±0.5-3.0 (3-30)</td>
<td>APS-250</td>
<td>4.0-28.0 (26-181)</td>
<td>±0.5-3 (3-30)</td>
<td>±0.5-3 (3-30)</td>
</tr>
<tr>
<td>APS-350</td>
<td>3.0-96.0 (21-646)</td>
<td>±0.2-3.0 (1.5-20)</td>
<td>±0.5-3.0 (3-30)</td>
<td>APS-350</td>
<td>6.0-83.0 (41-532)</td>
<td>±0.5-3 (3-30)</td>
<td>±0.5-3 (3-30)</td>
</tr>
<tr>
<td>APS-450</td>
<td>7.5-242 (52-167)</td>
<td>±0.3-4.0 (2.5-27)</td>
<td>±0.5-3.0 (3-30)</td>
<td>APS-450</td>
<td>10.0-282 (70-190)</td>
<td>±0.5-3 (3-30)</td>
<td>±0.5-3 (3-30)</td>
</tr>
<tr>
<td>APS-550</td>
<td>15.0-485 (100-327)</td>
<td>±0.5-3.0 (3-30)</td>
<td>±0.5-3.0 (3-30)</td>
<td>APS-550</td>
<td>15.0-485 (100-327)</td>
<td>±0.5-3 (3-30)</td>
<td>±0.5-3 (3-30)</td>
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