**SERIES A1PS/A1VS**

**ECONOMICAL PRESSURE SWITCH**

Vacuum and Compound Ranges Available, Adjustable Set Point

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 reduces installation time bring application on-line faster

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

**SPECIFICATIONS**
- Service: Compatible liquids or gases.
- Wetted Materials: Diaphragm: Buna-N; Body with fitting: Zinc alloy, chrome finish.
- Temperature Limits: -31 to 185°F (-35 to 85°C)
- Pressure Limits: 600 psig
- Vacuum Limits: 20.9” Hg (vacuum and compound models only)
- Switch Type: SPDT snap action
- Electrical Ratings: 15 A (resistive) @ 250 VAC, 1/2 HP @ 250 VAC

**MODEL CHART**

<table>
<thead>
<tr>
<th>Model</th>
<th>Set Point Range (psi)</th>
<th>Repeatability (kPa)</th>
<th>Deadband (approx.) (kPa)</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>A1PS-14</td>
<td>1.5 to 3.5 psi (10 to 24)</td>
<td>±0.15 psi (1)</td>
<td>0.5 to 1.7 psi (3 to 11)</td>
<td>$57.00</td>
</tr>
<tr>
<td>A1PS-24</td>
<td>3 to 40 psi (21 to 276)</td>
<td>±1.0 psi (7)</td>
<td>2 to 5 psi (14 to 34)</td>
<td>$57.00</td>
</tr>
<tr>
<td>A1PS-34</td>
<td>5 to 150 psi (34 to 1034)</td>
<td>±5.0 psi (34)</td>
<td>5 to 30 psi (34 to 207)</td>
<td>$57.00</td>
</tr>
<tr>
<td>A1PS-44</td>
<td>100 to 500 psi (689 to 3445)</td>
<td>±20.0 psi (138)</td>
<td>30 to 120 psi (207 to 827)</td>
<td>$57.00</td>
</tr>
</tbody>
</table>

**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 additional contacts and relays.

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

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

**SPECIFICATIONS**
- Service: Compatible liquids or gases.
- Wetted Materials: Capsule: 17-7 PH SS; Fitting: 303 SS.
- Temperature Limits: -31 to 185°F (-35 to 85°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: 5 A @ 250 VAC, 3 A @ 250 VAC

**MODEL CHART**

<table>
<thead>
<tr>
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<th>Set Point Range (psi)</th>
<th>Repeatability (kPa)</th>
<th>Deadband (approx.) (kPa)</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>APS-150</td>
<td>0.8 to 28.5 (6.0 to 2.0)</td>
<td>±0.1 psi (0.7)</td>
<td>0.8 to 1.7 (0.6 to 1.0)</td>
<td>$121.00</td>
</tr>
<tr>
<td>APS-250</td>
<td>2.0 to 48.0 (14.0 to 3.3)</td>
<td>±1.0 psi (7.0)</td>
<td>1.0 to 1.7 (0.7 to 1.2)</td>
<td>$121.00</td>
</tr>
<tr>
<td>APS-350</td>
<td>3.0 to 96.5 (21 to 6.7)</td>
<td>±2.0 psi (14.0)</td>
<td>2.5 to 4.0 (1.7 to 2.8)</td>
<td>$121.00</td>
</tr>
<tr>
<td>APS-450</td>
<td>7.5 to 242 (52 to 16.7)</td>
<td>±5.0 psi (35)</td>
<td>5.0 to 9.0 (3.5 to 6.2)</td>
<td>$121.00</td>
</tr>
<tr>
<td>APS-550</td>
<td>15.0 to 485 (100 to 33.4)</td>
<td>±10.0 psi (69)</td>
<td>5 to 22 (35 to 1.5)</td>
<td>$121.00</td>
</tr>
</tbody>
</table>

**Items are subject to Schedule B discounts.**