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 with simple indicating pointer reduces installation time bringing application on-line faster.

APPLICATIONS
• Compressors
• Process equipment
• OEM

APPLICATIONS
• Motor control
• Pump control

MODEL CHART

<table>
<thead>
<tr>
<th>Model</th>
<th>Set Point Range [psi] (kPa)</th>
<th>Repeatability [psi] (kPa)</th>
<th>Deadband [approx.] [psi] (kPa)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A1PS-14</td>
<td>1.5 to 3.5 psi (10 to 24) (10.1 to 24)</td>
<td>±0.15 psi (1)</td>
<td>0.5 to 1.7 psi (3 to 11)</td>
</tr>
<tr>
<td>A1PS-24</td>
<td>3 to 40 psi (21 to 276) (210 to 2760)</td>
<td>±1.0 psi (7)</td>
<td>2 to 5 psi (14 to 34)</td>
</tr>
<tr>
<td>A1PS-34</td>
<td>30 to 150 psi (207 to 1034) (2070 to 10340)</td>
<td>±5.0 psi (34)</td>
<td>5 to 30 psi (34 to 207)</td>
</tr>
<tr>
<td>A1PS-44</td>
<td>100 to 500 psi (689 to 3445) (6890 to 34450)</td>
<td>±20.0 psi (138)</td>
<td>30 to 120 psi (207 to 827)</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

APPLICATIONS
• Motor control
• Pump control

MODEL CHART

<table>
<thead>
<tr>
<th>Model</th>
<th>Set Point Range [psi] (bar)</th>
<th>Repeatability [psi] (bar)</th>
<th>Deadband [psi] (bar)</th>
</tr>
</thead>
<tbody>
<tr>
<td>APS-150</td>
<td>0.8 to 28.5 (0.6 to 2.0) (5.8 to 19)</td>
<td>±0.6 (0.4)</td>
<td>1.6 to 3.0 (11 to 21)</td>
</tr>
<tr>
<td>APS-250</td>
<td>2.0 to 48.0 (1.4 to 3.3) (13.7 to 32.6)</td>
<td>±1.0 (0.7)</td>
<td>3.0 to 50.0 (21 to 35)</td>
</tr>
<tr>
<td>APS-350</td>
<td>3.0 to 96.5 (2.1 to 6.7) (20.7 to 66.3)</td>
<td>±2.0 (1.4)</td>
<td>4.5 to 100 (31 to 69)</td>
</tr>
<tr>
<td>APS-450</td>
<td>7.5 to 242 (52 to 16.7) (520 to 1670)</td>
<td>±5.0 (3.5)</td>
<td>9.7 to 250 (67 to 17.2)</td>
</tr>
<tr>
<td>APS-550</td>
<td>15.0 to 488 (10 to 33.4) (354 to 2330)</td>
<td>±10.0 (8.9)</td>
<td>20.0 to 500 (14 to 34.5)</td>
</tr>
</tbody>
</table>

SPECIFICATIONS

Service: Compatible liquids or gases.
Wetted Materials: Capsule: 17-7 PH SS; Fitting: 303 SS.
Wetted Materials: Diaphragm: Buna-N; Body with fitting: Zinc alloy, chrome finish.
Temperature Limits: -31 to 107°C (-25 to 225°F).
Pressure Limits: 600 psig.
Vacuum Limits: 20.0" Hg (vacuum and compound models only).
Switch Type: SPDT snap action.
Electrical Ratings: 15 A (resistive) @ 250 VAC, 1/2 HP @ 250 VAC.
Agency Approvals: UL.