SERIES A6 | MERCOID® BY DWYER

DURABLE PRESSURE SWITCHES
Designed for Extended Duty, Simple and Reliable

Series A6 Durable Pressure Switches have been specifically designed to stand up to extended duty applications. These switches are constructed with a polyimide film diaphragm and are compatible with a variety of fluids. For ease of installation, the switches come with a 1/4” male NPT process connection and can be mounted in any orientation. The Series A6 pressure switches are compact and have great set-point integrity, and feature simple, easy set-point field adjustment.

FEATURES/BENEFITS
• High switch cycle means long life for extended duty applications
• Mounting in any position and feature simple makes a reliable switching for equipment and OEM applications

APPLICATIONS
• OEM
• Process equipment
• Process applications

MODEL CHART

<table>
<thead>
<tr>
<th>Model</th>
<th>Set Point Range psi (bar)</th>
<th>Switch Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>A6-153221</td>
<td>0.5 to 1 (0.03 to 0.07)</td>
<td>Mercury</td>
</tr>
<tr>
<td>A6-253221</td>
<td>1.1 to 3 (0.08 to 0.21)</td>
<td>Mercury</td>
</tr>
<tr>
<td>A6-353221</td>
<td>3.1 to 7 (0.21 to 0.46)</td>
<td>Mercury</td>
</tr>
<tr>
<td>A6-453221</td>
<td>8 to 13 (0.55 to 0.90)</td>
<td>Mercury</td>
</tr>
<tr>
<td>A6-553221</td>
<td>14 to 24 (0.97 to 1.66)</td>
<td>Mercury</td>
</tr>
<tr>
<td>A6-653221</td>
<td>25 to 50 (1.73 to 3.45)</td>
<td>Mercury</td>
</tr>
<tr>
<td>A6-753221</td>
<td>51 to 90 (3.52 to 6.21)</td>
<td>Mercury</td>
</tr>
<tr>
<td>A6-853221</td>
<td>91 to 150 (6.28 to 10.35)</td>
<td>Mercury</td>
</tr>
</tbody>
</table>

SERIES AP | MERCOID® BY DWYER

DIAPHRAGM OPERATED PRESSURE SWITCH
Visible Setpoint Adjustment, Compact

Reliable and convenient, the Series AP Diaphragm Operated Pressure Switch is a compact switch for instrument air or other low pressure applications. Visible setpoint and external adjustment add convenience. Used on air, non-corrosive gas or liquid service compatible with wetted parts. Units are available in weatherproof and explosion-proof housing.

FEATURES/BENEFITS
• Explosion-proof and weatherproof housing provides device protection for outdoor use or harsh environments operation
• External switch set point adjustment reduces set-up time

APPLICATIONS
• Low pressure applications
• Instrument air

MODEL CHART

<table>
<thead>
<tr>
<th>Model</th>
<th>Switch Type</th>
<th>Switch Ranges</th>
<th>Switch Deadband</th>
<th>Max. Press. psi (bar)</th>
</tr>
</thead>
<tbody>
<tr>
<td>AP-153-33</td>
<td>Mercury</td>
<td>10 in VAC to 50 in w.c. (2.5 to 12.4 kPa)</td>
<td>0.4 psig (0.03 bar)</td>
<td>0.75 psig (0.05 bar)</td>
</tr>
<tr>
<td>AP-153-37</td>
<td>Mercury</td>
<td>10 to 125 psig (.69 to 8.6 bar)</td>
<td>0.5 psig (0.04 bar)</td>
<td>1.5 psig (0.10 bar)</td>
</tr>
<tr>
<td>AP-153-39</td>
<td>Mercury</td>
<td>10 in VAC to 50 in w.c. (2.5 to 12.4 kPa)</td>
<td>0.4 psig (0.03 bar)</td>
<td>0.75 psig (0.05 bar)</td>
</tr>
<tr>
<td>AP-153-33</td>
<td>Snap</td>
<td>10 in VAC to 50 in w.c. (2.5 to 12.4 kPa)</td>
<td>0.4 psig (0.03 bar)</td>
<td>0.75 psig (0.05 bar)</td>
</tr>
<tr>
<td>AP-153-37</td>
<td>Snap</td>
<td>10 in VAC to 50 in w.c. (2.5 to 12.4 kPa)</td>
<td>0.4 psig (0.03 bar)</td>
<td>0.75 psig (0.05 bar)</td>
</tr>
</tbody>
</table>

1. Mercury switch units are not CE approved.

SPECIFICATIONS

Temperature Limits: -30 to 150°F (-35 to 66°C).
Pressure Rating: See model chart.
Enclosure Rating: General purpose. Weatherproof and explosion-proof optional.
Switch Type: SPDT mercury switch or SPDT snap switch. Other switch types available.
Electrical Rating: Mercury switch: 4 A @ 120 VAC/DC, 2 A @ 240 VAC/DC; Snap switch: 15 A @ 120 Vac, 8 A @ 240 Vac, 0.5 A @ 240 Vac.
Electrical Connections: Screw terminal.
Conduit Connection: 7/8” (22.23 mm) hole for 1/2” (12.7 mm) conduit hub.
Process Connection: 1/4” female NPT male.
Mounting Orientation: Vertical for mercury switch models, any position for snap switch models.
Set Point Adjustment: External screw.
Agency Approvals: FM, UL. For FM consult factory.

ACCESSORIES

A-439 Weatherproof IP65 cover
A-440 Weatherproof IP65 with fly-wire holes

USA: California Proposition 65
WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov