Ruggid Series A4 Differential Pressure Switch offers field adjustments and can handle system pressures up to 6000 psig. Piston design allows mounting in any orientation. The switch is capable of carrying moderate shock and vibratory loads.

<table>
<thead>
<tr>
<th>Model</th>
<th>Repeatability psid (bar)</th>
<th>Set Point psid (bar)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Increasing</td>
<td>Decreasing</td>
</tr>
<tr>
<td>A4-1</td>
<td>±12 (.14)</td>
<td>13-13 (.90-99)</td>
</tr>
<tr>
<td>A4-2</td>
<td>±33 (.28)</td>
<td>27-17 (.46-48)</td>
</tr>
<tr>
<td>A4-3</td>
<td>±58 (.55)</td>
<td>38-14 (.17-31)</td>
</tr>
<tr>
<td>A4-4</td>
<td>±106 (.11)</td>
<td>40-12 (.4-5)</td>
</tr>
<tr>
<td>A4-5</td>
<td>±322 (.22)</td>
<td>120-172 (.8-1.7)</td>
</tr>
</tbody>
</table>

Two opposing bellows combine maximum sensitivity and vibration resistance with moderate cost in the Series DP differential pressure switches. Both set and reset points are easily adjustable through non-interactive, externally accessible controls. Visible set-point indicators simplify changes. SPDT snap action switch, 316 stainless steel or brass bellows, easily adjustable through non-interactive, externally accessible controls. Visible set-point indicators simplify changes. SPDT snap action switch, 316 stainless steel or brass bellows, rated pressures to 600 psig.

Optional Enclosures
- Weatherproof Housing — to order add "W" suffix after DPA. Example: DPAW – 7033-153-61
- Explosion-Proof Housing — to order add "E" suffix after DPA. Example: DPREW – 7033-153-61

### Specifications

- **Service**: Compatible gases.
- **Wetted Materials**: Body, piston, and fittings: anodized aluminum; spring: steel.
- **Temperature Limits**: -65 to 225°F (-54 to 107°C).
- **Pressure Limits**: 2000 psid (138 bar), 6000 psig (413 bar).
- **Repeatability**: See table.
- **Switch Type**: SPDT.
- **Electrical Rating**: AC: 3 VA, 0.25A @ 120 VAC; DC: 5 VA, 0.25A @ 175 VDC.
- **Electrical Connection**: 24 AWG X 12" (30.5 cm) wire leads.
- **Process Connection**: 1/4" female NPT.
- **Mounting Orientation**: Any.
- **Set Point Adjustment**: See table.
- **Weight**: 8.5 oz (241 g).
- **Agency Approvals**: CE.

### Optional Enclosures

- **Weatherproof Housing**: Optional Enclosures
- **Explosion-Proof Housing**: Optional Enclosures

**Two opposing bellows** combine maximum sensitivity and vibration resistance with moderate cost in the Series DP differential pressure switches. Both set and reset points are easily adjustable through non-interactive, externally accessible controls. Visible set-point indicators simplify changes. SPDT snap action switch, 316 stainless steel or brass bellows, flanged steel housing. Rated pressures to 600 psig.

### Optional Enclosures

- **Weatherproof Housing** — to order add "W" suffix after DPA. Example: DPAW – 7033-153-61
- **Explosion-Proof Housing** — to order add "E" suffix after DPA. Example: DPREW – 7033-153-61

**Optional Enclosures**
- **Weatherproof Housing** — to order add "W" suffix after DPA. Example: DPAW – 7033-153-61
- **Explosion-Proof Housing** — to order add "E" suffix after DPA. Example: DPREW – 7033-153-61

### Specifications

- **Wetted Materials**: Brass on ranges 61, 62, 63 or 316 SS on ranges 62E, 64E, 65E.
- **Temperature Limits**: Maximum pressure of the operating range.
- **Enclosure Rating**: General purpose.
- **Pressure Limit**: Weatherproof or explosion-proof optional.

**Switch Type**: Snap switch. (Contact factory for mercury switch)

**Electrical Rating**: See model chart.

**Electrical Connection**: Screw terminal.

**Conduit Connection**: General purpose: 1/2” hole for conduit hub; Weatherproof: 1/8” conduit hub; Explosion-proof: 3/4” female NPT.

**Process Connection**: General purpose and weatherproof: 1/8” female NPT, explosion-proof: 1/4” male NPT.

**Mounting Orientation**: Vertical.

**Set Point Adjustment**: Thumbscrew.

**Weight**: General purpose: 5 lb (2.3 kg), weatherproof: 7 lb (3 kg), explosion-proof: 25 lb (11 kg).

**Deadband**: See model chart.

**Agency Approvals**: CE, UL, cUL.

### Table

<table>
<thead>
<tr>
<th>Bellows Material</th>
<th>Range psid (bar)</th>
<th>Max. Press psid (bar)</th>
<th>Adjustable Deadband</th>
<th>Fixed Deadband</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Min. D.B. psid (bar)</td>
<td>Fixed D.B. psid (bar)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Model</td>
<td>Model</td>
</tr>
<tr>
<td>Brass</td>
<td>0-10 (0-0.7)</td>
<td>50 (3.5)</td>
<td>1.5 (.10)</td>
<td>0.5 (.03)</td>
</tr>
<tr>
<td>Brass</td>
<td>0-20 (0-1.4)</td>
<td>100 (6.9)</td>
<td>2.5 (.17)</td>
<td>1.0 (.07)</td>
</tr>
<tr>
<td>Brass</td>
<td>0-30 (0-2.1)</td>
<td>150 (10.7)</td>
<td>3.0 (.21)</td>
<td>1.5 (.10)</td>
</tr>
<tr>
<td>Brass</td>
<td>0-40 (0-2.8)</td>
<td>200 (14.1)</td>
<td>4.0 (.28)</td>
<td>2.0 (.14)</td>
</tr>
<tr>
<td>316SS</td>
<td>0-20 (0-1.4)</td>
<td>100 (6.9)</td>
<td>1.5 (.10)</td>
<td>0.5 (.03)</td>
</tr>
<tr>
<td>316SS</td>
<td>0-30 (0-2.1)</td>
<td>150 (10.7)</td>
<td>2.0 (.14)</td>
<td>1.0 (.07)</td>
</tr>
<tr>
<td>316SS</td>
<td>0-40 (0-2.8)</td>
<td>200 (14.1)</td>
<td>2.5 (.21)</td>
<td>1.5 (.10)</td>
</tr>
<tr>
<td>316SS</td>
<td>0-50 (0-3.5)</td>
<td>250 (17.2)</td>
<td>3.0 (.28)</td>
<td>2.0 (.14)</td>
</tr>
</tbody>
</table>

**CALL TO ORDER**

U.S. Phone 219 879-8000 • U.K. Phone (+44) (0)1494-461707 • Australia Phone (+61) (0) 2 4272 2055