**WATER PUMP PRESSURE SWITCH**

Simple, Reliable, Adjustable Set Point and Deadband

The Series CXA Water Pump Pressure Switch has been proven reliable for controlling automatic water systems. These switches are very popular for use on water well pumps and pumping systems. The set point and deadband are both easily adjustable via screws inside the cover. For ease of installation, the switches come with a 1/4” female NPT process connection and can be mounted in any orientation. The Series CXA’s simple design makes it a great switch for an installer at any skill level.

**APPLICATIONS**

- Electric water pumps
- Water system applications
- Well pumps
- Pumping systems

**BENEFITS/FEATURES**

- The set point and deadband are both easily adjustable reducing time to install and operation
- Mounting in any position and feature simple makes a reliable switch that can be installed by any skill level

**MODEL CHART**

<table>
<thead>
<tr>
<th>Model</th>
<th>Switch Type</th>
<th>Range psig (bar)</th>
<th>Approx. Adjustable Deadband psig (bar)</th>
<th>Max. Pressure psig (bar)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CXA-S1</td>
<td>NC</td>
<td>15 to 80 (1.0 to 5.5)</td>
<td>15 to 30 (1.0 to 2.1)</td>
<td>129 (8.9)</td>
</tr>
<tr>
<td>CXA-S2</td>
<td>NC</td>
<td>30 to 100 (2.1 to 6.9)</td>
<td>20 to 35 (1.4 to 2.4)</td>
<td>179 (12.3)</td>
</tr>
<tr>
<td>CXA-S3</td>
<td>NC</td>
<td>35 to 150 (2.4 to 10.3)</td>
<td>30 to 40 (2.1 to 2.8)</td>
<td>204 (14.1)</td>
</tr>
<tr>
<td>CXA-R1</td>
<td>NO</td>
<td>15 to 80 (1.0 to 5.5)</td>
<td>15 to 30 (1.0 to 2.1)</td>
<td>129 (8.9)</td>
</tr>
<tr>
<td>CXA-R2</td>
<td>NO</td>
<td>30 to 100 (2.1 to 6.9)</td>
<td>20 to 35 (1.4 to 2.4)</td>
<td>179 (12.3)</td>
</tr>
<tr>
<td>CXA-R3</td>
<td>NO</td>
<td>35 to 150 (2.4 to 10.3)</td>
<td>30 to 40 (2.1 to 2.8)</td>
<td>204 (14.1)</td>
</tr>
</tbody>
</table>

**SERIES 681**

**SANITARY PRESSURE TRANSMITTER**

No Liquid Fill Diaphragm, Sanitary Clamp Fitting

**CALIBRATION SERVICES AVAILABLE**

The Series 681 Sanitary Pressure Transmitter is designed to meet 3A standards for applications in food, dairy, beverage and pharmaceutical processing, liquid level control, and sanitary pipelines. The unit is fully sealed to withstand high pressure washdown in Clean-in-Place (CIP) and Sterilize-in-Place (SIP) installations. The Series 681 is designed with a unique, no liquid fill diaphragm and a sanitary clamp pressure fitting for easy installation with negligible clamping effect. A conduit fitting, shielded cable with vent tube and sealed screws for zero and span adjustment combine to make the Series 681 completely watertight.

**APPLICATIONS**

- Sanitary process applications
- Food and beverage processing
- Water processing
- Dairy processing
- Pharmaceutical processing

**MODEL CHART**

<table>
<thead>
<tr>
<th>Model</th>
<th>Range</th>
<th>Sanitary Clamp Connection</th>
</tr>
</thead>
<tbody>
<tr>
<td>681-02</td>
<td>0 to 1 psi</td>
<td>2”</td>
</tr>
<tr>
<td>681-12</td>
<td>0 to 2 psi</td>
<td>2”</td>
</tr>
<tr>
<td>681-42</td>
<td>0 to 15 psi</td>
<td>2”</td>
</tr>
<tr>
<td>681-52</td>
<td>0 to 30 psi</td>
<td>2”</td>
</tr>
<tr>
<td>681-62</td>
<td>0 to 60 psi</td>
<td>2”</td>
</tr>
</tbody>
</table>

**SPECIFICATIONS**

- **Service:** Compatible liquids and gases.
- **Wetted Materials:** Silicone, steel, and SS.
- **Temperature Limits:** -40 to 260°F (-40 to 125°C) 10 to 90% RH, non-condensing.
- **Pressure Limits:** See model chart.
- **Enclosure Rating:** General purpose.
- **Repeatability:** ±5 psig (±0.3 bar).
- **Switch Type:** DPST snap action (see model chart). 20 A @ 120 VAC, 12 A @ 240 VAC, 9.6 A @ 240 VAC (3 phase), 8.6 A @ 32 VDC, 3.1 A @ 120 VDC, 1.6 A @ 240 VDC.
- **Electrical Connections:** Screw terminal.
- **Conduit Connection:** 7/8” hole for 1/2” conduit hub (2 places).
- **Process Connection:** 1/4” female NPT.
- **Mounting Orientation:** Switch can be installed in any position.
- **Set Point Adjustment:** Internal screws.
- **Deadband:** See model chart.
- **Weight:** 0.75 lb (0.34 kg).
- **Agency Approvals:** CE.