The Series CX Compressor Pressure Switches are designed with a 20 Amp normally closed SPST switch for direct control of pumps and motors. The set point and deadband are both easily adjustable via screw terminals inside the cover. For ease of installation, the switches come with a 1/4” female NPT process connection or the optional 4-port connection block on the CX-4 models. Besides making installation easier, one of the other ports can be used to install a pressure gage. Plus, these switches can be mounted in any orientation.

These units are perfect for regulating tank pressure on small air compressors. The CX Series switches come with an unloader valve, which prevents compressors from starting under load. They also come with an auto/ off disconnect lever for manually cutting off the load. When the lever is in the off position, there is a test button inside the housing that can be pushed to turn on the load.

The Series CX Compressor Pressure Switches
Adjustable Set Point and Deadband, 20 Amp Rating

### SPECIFICATIONS

- **Service:** Air and non-combustible compatible gases.
- **Wetted Materials:** NBR (Nitrile-Butadiene) rubber diaphragm, steel connection (CX-1), aluminum alloy connection (CX-4).
- **Temperature Limits:** 140°F (60°C).
- **Pressure Limits:** See model chart.
- **Enclosure Rating:** General purpose.
- **Repeatability:** ±5 psig (±0.3 bar).
- **Switch Type:** 2 each SPST snap action, normally closed (NC).
- **Electrical Ratings:** 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. 1.5 HP @ 120 VAC, 2 HP @ 240 VAC, 3 HP @ 240 VAC (3 phase), 0.25 HP @ 32/120/240 VDC.
- **Agency Approvals:** CE, UL.
- **Conduit Connections:** Screw terminal.
- **Conduit Connection:** 7/8” hole for 1/2” conduit hub (2 places).

### Electrical Connections:
- **Process Connection:** 1/4” female NPT (CX-4: 4 places).
- **Mounting Orientation:** Switch can be installed in any position.
- **Setpoint Adjustment:** Internal screw.
- **Weight:** CX-1: 0.78 lb (0.35 kg); CX-4: 1.03 lb (0.47 kg).
- **Deadband:** See model chart.

### Series CS and CD

Diaphragm Pressure Switches
Visible Set Points, Fixed or Adjustable Deadband

### SPECIFICATIONS

- **Wetted Materials:** Nylon reinforced Buna-N and steel.
- **Temperature Limits:** -30 to 150°F (-35 to 66°C).
- **Pressure Limit:** 30 psig (2.1 bar) for ranges 1, 3, and 10; 50 psig (3.5 bar) for range 30; 175 psig (12.1 bar) for range 150.
- **Enclosure Rating:** General purpose.
- **Switch Type:** SPDT snap switch.

### Electrical Connections:
- **Electrical Rating:** 15 A @ 120 VAC, 8 A @ 240 VAC.
- **Agency Approvals:** CE, UL.

### Available Models

<table>
<thead>
<tr>
<th>Model</th>
<th>Adjustable Operating Range</th>
<th>Deadband</th>
<th>Deadband Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS-1</td>
<td>1-30 Hg. Vac. (25.4-76.2 mm Hg)</td>
<td>Fixed</td>
<td>1.5 Hg (38 mm Hg)</td>
</tr>
<tr>
<td>CS-3</td>
<td>1-100 in.w.c. (25-24.9 kPa)</td>
<td>Fixed</td>
<td>7 in.w.c. (1.74 kPa)</td>
</tr>
<tr>
<td>CS-10</td>
<td>1-10 psig (.07-69 bar)</td>
<td>Fixed</td>
<td>0.4 psig (0.03 bar)</td>
</tr>
<tr>
<td>CS-30</td>
<td>1-30 psig (.07-2.1 bar)</td>
<td>Fixed</td>
<td>1.0 psig (0.07 bar)</td>
</tr>
<tr>
<td>CS-150</td>
<td>10-150 psig (.69-10.3 bar)</td>
<td>Fixed</td>
<td>5 psig (0.35 bar)</td>
</tr>
<tr>
<td>CD-10</td>
<td>1-10 psig (.07-69 bar)</td>
<td>Adjustable</td>
<td>Min: 1.5 psig (1 bar), Max: 11.5 psig (79 bar)</td>
</tr>
<tr>
<td>CD-30</td>
<td>1-30 psig (.07-2.1 bar)</td>
<td>Adjustable</td>
<td>Min: 2 psig (.14 bar), Max: 12 psig (.83 bar)</td>
</tr>
<tr>
<td>CD-150</td>
<td>10-150 psig (.69-10.3 bar)</td>
<td>Adjustable</td>
<td>Min: 14 psig (.97 bar), Max: 24 psig (1.7 bar)</td>
</tr>
</tbody>
</table>