**SERIES 1996**

**GAS PRESSURE SWITCH**

Compact, Low Cost, 1.4 to 20 in w.c. Range

Reliable and convenient, the Series 1996 Gas Pressure Switch serves as a compact, low cost switch for gas fired furnaces and equipment. Pressure ranges for both models are ideal for high or low gas pressure interlock. Visible set point and on-off indicators add convenience in servicing. Use either NO or NC contacts on SPST switch. Bottom connection has both 1/8” female and 1/4” male threads for pipe nipple or coupling. Top connection vents diaphragm chamber to outside or to furnace combustion chamber. Mount switch with diaphragm in a horizontal position and gas pressure connection at bottom. Used with natural, manufactured or LP gas.

**FEATURES/BENEFITS**

- Visible set point and on-off indicator simplifies operation and trouble shooting
- Compact size and low cost make it ideal for gas fired or gas equipment OEM applications

**APPLICATIONS**

- Gas furnaces
- Natural, manufactured or LP gas applications

**MODEL CHART**

<table>
<thead>
<tr>
<th>Model</th>
<th>Range (in w.c.)</th>
<th>Price</th>
<th>Model</th>
<th>Range (in w.c.)</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1996-S</td>
<td>1.4 to 5.5</td>
<td>$94.00</td>
<td>1996-20</td>
<td>4 to 20</td>
<td>$94.00</td>
</tr>
</tbody>
</table>

**SERIES PG | MERCOID® BY DWYER**

**GAS PRESSURE/DIFFERENTIAL PRESSURE SWITCHES**

External Adjustment, Visible Dial, Hermetically Sealed Snap or Mercury Switch

The Series PG Gas Pressure/Differential Pressure Switch has a large sensitive diaphragm and a reliable time proven mechanical design. For use with air and other compatible gases, they feature excellent ±1% of full-scale repeatability, easy-to-read scale and convenient external set point adjustment.

Application flexibility is assured by a large variety of switching options including SPST, SPDT, DPST and DPDT; opening or closing on increasing pressure, vacuum or differential. PR and PRL models add manual reset operation on increasing SPST, SPDT, DPST and DPDT; opening or closing on increasing or decreasing pressure. Mercury switches or hermetically sealed snap switches are available where high humidity would be a problem. If vibration or other factors preclude the use of mercury, snap switches can be provided. Standard housing is NEMA 1. Optional enclosures can be supplied for weather resistant and explosion-proof requirements.

**FEATURES/BENEFITS**

- Clear easy-to-read scale and external set point adjustment simplifies operation and trouble shooting
- Large diaphragm provides accuracy for precise control
- Multiple switching options meet the design of applications

**APPLICATIONS**

- Natural, manufactured or LP gas applications

**MODEL CHART**

<table>
<thead>
<tr>
<th>Model</th>
<th>Range</th>
<th>Max. Deadband</th>
<th>Switch Type</th>
<th>Price</th>
<th>Model</th>
<th>Range</th>
<th>Max. Deadband</th>
<th>Switch Type</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>PG-153-P1</td>
<td>1-30 in w.c. (.25-7.45 kPa)</td>
<td>1.9 in w.c. (.47 kPa)</td>
<td>SPDT mercury</td>
<td>$402.00</td>
<td>PG-7000-153-P1</td>
<td>1-30 in w.c. (.25-7.45 kPa)</td>
<td>4 in w.c.</td>
<td>SPDT mercury</td>
<td>$384.00</td>
</tr>
<tr>
<td>PG-153-P2</td>
<td>0.5-5 psid (.3-345 bar)</td>
<td>0.4 psid (.038 bar)</td>
<td>SPDT mercury</td>
<td>$402.00</td>
<td>PG-7000-153-P2</td>
<td>0.5-5 psid (.3-345 bar)</td>
<td>.5 psid (.035 bar)</td>
<td>SPDT snap</td>
<td>$384.00</td>
</tr>
<tr>
<td>PG-3-P1</td>
<td>1-30 in w.c. (.25-7.45 kPa)</td>
<td>1.3 in w.c. (.32 kPa)</td>
<td>SPST mercury</td>
<td>$402.00</td>
<td>PG-7000-153HS-P1</td>
<td>1-30 in w.c. (.25-7.45 kPa)</td>
<td>4 in w.c.</td>
<td>SPDT mercury</td>
<td>$530.00</td>
</tr>
<tr>
<td>PG-3-P2</td>
<td>0.5-5 psid (.3-345 bar)</td>
<td>0.3 psid (.21 kPa)</td>
<td>SPST mercury</td>
<td>$402.00</td>
<td>PG-7000-153HG-P1</td>
<td>0.5-5 psid (.3-345 bar)</td>
<td>1 in w.c.</td>
<td>SPDT snap</td>
<td>$536.00</td>
</tr>
</tbody>
</table>

*SPST switches shown are close on increase of pressure.

For open on increase of pressure replace 3 in middle of model number with 2. **Example:** PG-2-P1. Models are the same price.

**SPECIFICATIONS**

- **Wetted Materials:** Fairprene, brass, steel, and aluminum.
- **Temperature Limits:** -10 to 180°F (-23 to 82°C).
- **Pressure Limit:** Single pressure use on high side: Sustained pressure: 15 psig (1.0 bar); Surge limit: 20 psig (1.4 bar).
- **Differential Pressure:** Sustained pressure, range P1: 2 psig (.14 bar); Sustained pressure, range P2: 10 psig (0.7 bar).
- **Enclosure Rating:** General purpose.
- **Repeatability:** ±1% of range.
- **Switch Type:** SPST mercury switch, SPDT mercury switch, SPDT snap switch, or SPDT hermetically sealed snap switch. Optional DPDT.
- **Electrical Rating:** SPDT mercury: 40A @ 120 VAC/VDC; 2A @ 240 VAC/VDC. SPDT snap: 15A @ 120 VAC, 6A @ 240 VAC, 0.5A @ 120 VDC, 0.25A @ 240 VDC. SPDT H.S. Silver Snap: 5A @ 125/250 VAC, 30 VDC resistive. SPDT H.S. Gold Snap: 1A @ 125 VAC, 30 VDC resistive.
- **Electrical Connections:** Screw type.
- **Conduit Connection:** 7/8" (22.23 mm) conduit hub for 1/2" (12.7 mm) conduit hub.
- **Process Connection:** 1/2" male NPT and 1/8" female NPT used for single positive pressure or high differential pressure, 1/8" female NPT used for single vacuum or low differential pressure.
- **Mounting Orientation:** Vertical.
- **Set Point Adjustment:** External screw. Weight: 4.5 lb (2 kg).
- **Deadband:** See model chart.
- **Agency Approvals:** FM, UL for mercury switch models. UL only on snap switch models.

USA: California Proposition 65

**WARNING:** Cancer and Reproductive Harm - www.P65Warnings.ca.gov