GAS PRESSURE SWITCHES
Compact, Low Cost, 4 to 20 in w.c. Range

Reliable and convenient, the SERIES 1996 Gas Pressure Switches serve 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 SPDT 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>
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<th>Range (in w.c.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1996-5</td>
<td>1.4 to 5.5</td>
<td>1996-20</td>
<td>4 to 20</td>
</tr>
</tbody>
</table>

SERIES PG | MERCOID® BY DWYER
GAS PRESSURE/DIFFERENTIAL PRESSURE SWITCHES
External Adjustment, Visible Dial, Hermetically Sealed Snap or Mercury Switch

Large sensitive diaphragm and reliable, time proven mechanical design are combined in SERIES PG pressure/differential pressure switches. For use with air and other compatible gases, they feature excellent ±1% of full scale repeatability, clear easy-to-read scale and convenient external set point adjustment. Application flexibility is assured by a large variety of switching options including SPST, DPST and DPDT; opening or closing on increasing pressure, vacuum or differential. PR and PRL models add manual reset operation 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>
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<th>Range</th>
<th>Max. Deadband</th>
<th>Switch Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>PG-153-P1</td>
<td>1-30 in w.c.</td>
<td>0.5-5 psid (0.3-345 bar)</td>
<td>SPDT mercury</td>
<td>PG-7000-153-P1</td>
<td>1-30 in w.c.</td>
<td>0.5-5 psid (0.3-345 bar)</td>
<td>SPDT mercury</td>
</tr>
<tr>
<td>PG-153-P2</td>
<td>1-30 in w.c.</td>
<td>0.5-5 psid (0.3-345 bar)</td>
<td>SPDT mercury</td>
<td>PG-7000-153-P2</td>
<td>1-30 in w.c.</td>
<td>0.5-5 psid (0.3-345 bar)</td>
<td>SPDT mercury</td>
</tr>
<tr>
<td>PG-3-P1</td>
<td>1-30 in w.c.</td>
<td>0.3 psid (0.21 kPa)</td>
<td>SPST mercury*</td>
<td>PG-7000-153HS-P1</td>
<td>1-30 in w.c.</td>
<td>0.3 psid (0.21 kPa)</td>
<td>SPST mercury*</td>
</tr>
<tr>
<td>PG-3-P2</td>
<td>1-30 in w.c.</td>
<td>0.3 psid (0.21 kPa)</td>
<td>SPST mercury*</td>
<td>PG-7000-153HG-P1</td>
<td>1-30 in w.c.</td>
<td>0.3 psid (0.21 kPa)</td>
<td>SPST mercury*</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.

SPECIFICATIONS
- Service: Air, natural & manufactured gas, LP gas.
- Wetted Materials: Consult factory.
- Temperature Limits: -20 to 60°C (-4°F to 140°F).
- Pressure Limits: 500 psig (3.4 bar) min; 1000 psig (6.9 bar) max.
- Differential pressure use: Sustained pressure, range P1: 5 psig (0.3 bar); Surge limit: 10 psig (0.7 bar). Differential pressure use: Sustained pressure, range P2: 5 psig (0.3 bar); Surge limit: 10 psig (0.7 bar).
- Enclosure Rating: General purpose. Weatherproof and explosion-proof optional.
- Repeatability: ±1% of full range.
- Switch Type: SPST mercury switch, SPDT mercury switch, SPDT snap switch, or SPDT hermetically sealed snap switch. Optional DPDT.
- Temperature Limits: -20 to 60°C (-4°F to 140°F).
- Electrical Connections: See model chart.
- Agency Approvals: FM, UL for mercury switch models. UL only on snap switch models.