Dwyer Instruments, Inc. | dwyer-inst.com

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 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 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

APPLICATIONS
• Gas furnaces
• Natural, manufactured or LP gas applications

APPLICATIONS

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 or 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, SPDT, DPST and DPDT; opening or closing on increasing pressure, vacuum or differential. PR and PRL models add manual reset option 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 (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>4-20</td>
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SERIES PG | MERCOID® BY Dwyer

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<tbody>
<tr>
<td>PG-153-P1</td>
<td>1-30 in w.c. (0.25-7.45 kPa)</td>
<td>PG-7000-153-P1</td>
<td>1-30 in w.c. (0.25-7.45 kPa)</td>
</tr>
<tr>
<td>0.5-5 psid</td>
<td>1.9 in w.c. (0.47 kPa)</td>
<td>4 in w.c. (1.0 kPa)</td>
<td></td>
</tr>
<tr>
<td>0.3-345 bar</td>
<td>0.4 psid (0.38 bar)</td>
<td>SPDT mercury</td>
<td>SPDT snap</td>
</tr>
<tr>
<td>13 in w.c. (0.32 kPa)</td>
<td>0.3 psid (0.21 kPa)</td>
<td>PG-7000-153H-P1</td>
<td>1-30 in w.c. (0.25-7.45 kPa)</td>
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<td>0.3-345 bar</td>
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*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

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 use: Sustained pressure, range P1: 1.4 psig (.14 bar); Sustained pressure, range P2: 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.
Electrical Rating: SPDT mercury: 4A @ 120 VAC/VDC, 2A @ 240 VAC/VDC. STP mercury: 6A @ 120 VAC/VDC, 3A @ 240 VAC/VDC.

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