Gas Pressure Switches
Compact, Low Cost, 4" - 20" w.c. Range

Model 1996-20 gas-air pressure switch. Connections, dimensions and visible on-off indicator are shown.

Reliable and convenient, the 1996-5 and the 1996-20 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. Also see Model 1950G.

**Model 1996-20 Gas Pressure Switches**

- **Agency Approvals:** CE, UL, CSA, FM.
- **Temperature Limits:** -30 to 120°F (-34.4 to 43.3°C) for dry gas or dry air.
- **Pressure Limits:** 45" w.c. (1.1 kPa) continuous; 10 psig (68.95 kPa) surge.
- **Switch Type:** Single-pole double-throw (SPDT).
- **Electrical Rating:** 1A @ 125 VAC, 0.4A @ 240 VAC, 0.25A @ 120 VDC, 0.125A @ 240 VDC.
- **Weight:** 1 lb 2.3 oz (349 g).

**SPECIFICATIONS**

- **Wetted Materials:** Fairprene, brass, steel, and aluminum.
- **Temperature Limits:** -30 to 110°F (-34.4 to 43.3°C) for LP gas.
- **Pressure Limits:** 1.4" - 5.5" w.c. (0.35 - 1.38 kPa) continuous; 0.5 psid (.035 bar) surge.
- **Mounting Orientation:** Diaphragm in horizontal position. Consult factory for other position orientations.
- **Set Point Adjustment:** Screw type with visible indicator, inside conduit enclosure.
- **Agency Approvals:** CE, UL, CSA, FM.

**Model**

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<th>Range</th>
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<td>1.4&quot; - 5.5&quot; w.c.</td>
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<tr>
<td>4&quot; - 20&quot; w.c.</td>
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**Series 1996 Gas Pressure Switches**

Large diaphragm sensitivity and time proven dependable design are combined in model PG differential pressure switches. Visible dial reduces “start up” time and helps prevent calibration errors. External adjustment allows set point change without removal of cover. Unit is listed by UL, FM and CSA.

**SPECIFICATIONS**

- **Wetted Materials:** Corrugated beryllium copper, brass, and stainless steel.
- **Temperature Limits:** -30 to 180°F (-34.4 to 82°C).
- **Pressure Limits:** 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: 2 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/DC, 2A @ 240 VAC/VDC. SPST Mercury: 6A @ 120 VAC/VDC. SPDT Snap: 15A @ 120 VAC, 8A @ 240 VAC, 0.5A @ 120 VDC, 0.25A @ 240 VDC. SPDT H.S. Silver Snap: 9A @ 125/250 VAC, 30 VDC resitive. SPDT H.S. Gold Snap: 1A @ 125 VAC, 30 VDC resistive.
- **Electrical Connections:** Screw type.
- **Conduit Connection:** 3/4" (19.05 mm) conduit hub.
- **Set Point Adjustment:** External screw.
- **Weight:** 4.5 lb (2 kg).
- **Deadband:** See model chart.

**Model**

- **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.**

**Agency Approvals:** UL, CSA, FM for mercury switch models. UL only on snap switch models.