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 1996G.

**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 1996G.

**SPECIFICATIONS**
- **Service:** Air, natural & manufactured gas, LP gas.
- **Wetted Materials:** Consult factory.
- **Temperature Limits:** 32 to 110°F (0 to 43.3°C). -30 to 110°F (-34.4 to 43.3°C) for dry gas or dry air.
- **Pressure Limits:** 45 w.c. (11.2 kPa) continuous; 10 psig (68.95 kPa) surge.
- **Switch Type:** Single-pole double-throw (SPDT).
- **Electrical Rating:** 15A @ 120-480 VAC, 60 Hz. Resistive 1/8 H.P. @ 125 VAC, 1/4 H.P. @ 250 VAC 60Hz.
- **Electrical Connections:** 3 screw type, common, normally open, normally closed.
- **Process Connections:** 1/8" female NPT or 1/4" male NPT.
- **Vent Connection:** 1/8" female NPT.
- **Mounting Orientation:** Diaphragm in horizontal position. Consult factory for other position orientations.
- **Set Point Adjustment:** Screw type with visible indicator, inside conduit enclosure.
- **Weight:** 1 lb 2.3 oz (349 g).
- **Agency Approvals:** CE, UL, CSA, FM.

**Model**
- **Range**
  - 1996-5: 1.4” - 5.5” w.c.
  - 1996-20: 4” - 20” w.c.

**Pressure Switch Range**
- 1-30” wc (.25-7.47 kPa)
- 0.5-5 psid (.03-.345 bar)
- 1-30” wc (.25-7.47 kPa)
- 0.5-5 psid (.03-.345 bar)
- 1-30” wc (.25-7.47 kPa)
- 0.5-5 psid (.03-.345 bar)
- 1-30” wc (.25-7.47 kPa)
- 0.5-5 psid (.03-.345 bar)
- 1-30” wc (.25-7.47 kPa)
- 0.5-5 psid (.03-.345 bar)

**Series 1996 Gas Pressure Switches**
Compact, Low Cost, 4” - 20” w.c. Range

**Series PG Gas Pressure/Differential Pressure Switches**
External Adjustment, Visible Dial, Hermetically Sealed Snap or Mercury Switch

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**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.

**Model**
- **Range**
  - PG-153-P1: 1-30” wc (.25-7.47 kPa)
  - PG-153-P2: 0.5-5 psid (.03-.345 bar)
  - PG-3-P1: 1-30” wc (.25-7.47 kPa)
  - PG-3-P2: 0.5-5 psid (.03-.345 bar)
  - PG-7000-153-P1: 1-30” wc (.25-7.47 kPa)
  - PG-7000-153-P2: 0.5-5 psid (.03-.345 bar)
  - PG-7000-153SH-P1: 1-30” wc (.25-7.47 kPa)
  - PG-7000-153HG-P1: 1-30” wc (.25-7.47 kPa)

**Maximum Pressure**
- PG-153-P1: 1.9” wc (0.47 kPa)
- PG-153-P2: 0.4 psid (0.038 bar)
- PG-3-P1: 1.3” wc (0.32 kPa)
- PG-3-P2: 0.3 psid (0.021 kPa)
- PG-7000-153-P1: 4” wc (1.0 kPa)
- PG-7000-153-P2: 4” wc (1.0 kPa)
- PG-7000-153SH-P1: 4” wc (1.0 kPa)
- PG-7000-153HG-P1: 4” wc (1.0 kPa)

**Deadband**
- ±1% of full range.

**Switch Type**
- SPDT Mercury, SPST Mercury

**Temperature 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 (0.14 bar).
  - Sustained pressure, range P2: 10 psig (0.7 bar).

**Enclosure Rating**
- General purpose. Weatherproof and explosion-proof optional.
- Repeatability: ±1% of full range.

**Electrical Connections**
- Screw type with visible indicator, inside conduit enclosure.
- Enclosure Cover: Screw type.
- Conduit Connection: 7/8” (22.23 mm) hole for 1/2” (12.7 mm) conduit hub.
- Process Connection: 1/8” male NPT and 1/4” female NPT used for single pressure or high differential pressure, 1/8” female NPT used for single vacuum or low differential pressure.

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

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