



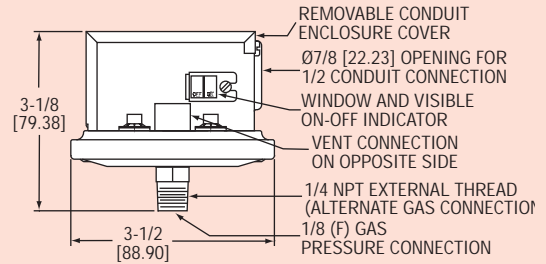
Series
1996

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	Range
1996-5	1.4" - 5.5" w.c.
1996-20	4" - 20" w.c.

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 60 Hz.

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).

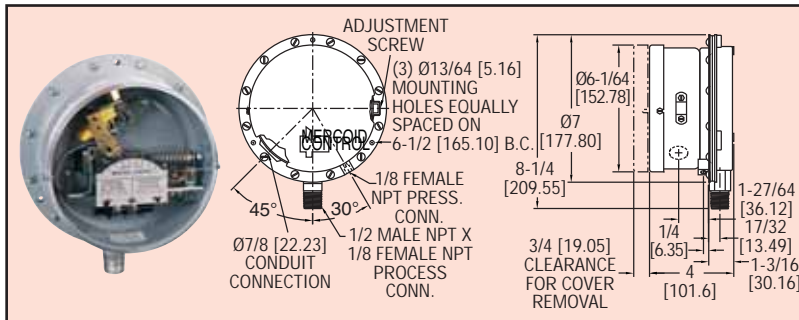
Agency Approvals: CE, UL, CSA, FM.



Series
PG

Gas Pressure/Differential Pressure Switches

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



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	Maximum Deadband	Switch Type
PG-153-P1	1-30" wc (.25-7.47 kPa)	1.9" wc (0.47 kPa)	SPDT Mercury
PG-153-P2	0.5-5 psid (0.3-.345 bar)	0.4 psid (0.38 bar)	SPDT Mercury
PG-3-P1	1-30" wc (.25-7.47 kPa)	1.3" wc (0.32 kPa)	SPST Mercury*
PG-3-P2	0.5-5 psid (.03-.345 bar)	0.3 psid (0.21 kPa)	SPST Mercury*
PG-7000-153-P1	1-30" wc (.25-7.45 kPa)	4" wc (1.0 kPa)	SPDT Snap
PG-7000-153-P2	0.5-5 psid (.03-.345 bar)	.5 psid (.035 bar)	SPDT Snap
PG-7000-153HS-P1	1-30" wc (.25-7.47 kPa)	4" wc (1.0 kPa)	SPDT Hermetically Sealed Silver Snap
PG-7000-153HG-P1	1-30" wc (.25-7.47 kPa)	4" wc (1.0 kPa)	SPDT Hermetically Sealed Gold Snap

* 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: 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/VDC, 2A @ 240 VAC/VDC. SPST Mercury: 6A @ 120 VAC/VDC, 3A @ 240 VAC/VDC.

SPDT Snap: 15A @ 120 VAC, 8A @ 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) hole 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: UL, CSA, FM for mercury switch models. UL only on snap switch models.