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

Reliable and convenient, the 196-5 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 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.

See page 587 for process tubing options.

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 in 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. Resitive 1/8 H.P. @ 125 VAC, 1/4 H.P. @ 250 VAC 60Hz.

Agency Approvals: CE, CSA, FM, UL.

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

Model Range Price
1996-5 1.4 in - 5.5 in w.c. $83.00
1996-20 4 in - 20 in w.c. 83.00

See page 587 for process tubing options.

Mercoind®
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.

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: SPDT mercury switch, SPDT mercury switch, SPDT snap switch, or SPDT hermetically sealed snap switch. Optional DPDT.

Electrical Connections: 3 screw type, common, normally open, normally closed.
Conduit Connection: 1/8” female NPT or 1/4” male NPT.
Process 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, CSA, FM, UL.

Model Range Maximum Deadband Switch Type Price
PG-153-P1 1-30 in w.c. (.25-7.47 kPa) 1.9 in w.c. (.074 kPa) SPDT Mercury $326.00
PG-153-P2 0.5-5 psid (.33-34.5 bar) 0.4 psid (.038 bar) SPDT Mercury 326.00
PG-3-P1 1-30 in w.c. (.25-7.47 kPa) 1.3 in w.c. (.054 kPa) SPDT Mercury* 326.00
PG-3-P2 0.5-5 psid (.33-34.5 bar) 0.3 psid (.021 kPa) SPDT Mercury* 326.00
PG-7000-153-P1 1-30 in w.c. (.25-7.47 kPa) 5 psid (.353 bar) SPDT Snap 312.00
PG-7000-153-P2 0.5-5 psid (.33-34.5 bar) 4 in w.c. (.10 kPa) SPDT Snap 312.00
PG-7000-153HS-P1 1-30 in w.c. (.25-7.47 kPa) 4 in w.c. (.10 kPa) SPDT Hermetically Sealed Silver Snap 435.00
PG-7000-153HG-P1 1-30 in w.c. (.25-7.47 kPa) 4 in w.c. (.10 kPa) SPDT Hermetically Sealed Gold Snap 439.00

* 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. Models are the same price.

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