GAS PRESSURE SWITCH
Compact, Low Cost, 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 with diaphragm 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 OEM applications

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

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 range, 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, SPDT mercury switch, SPDT snap switch, or SPDT hermetically sealed snap switches. Optional DPDT. Electrical Rating: SPDT mercury: 4A @ 120 VAC/VDC, 2A @ 240 VAC/VDC. SPDT snap: 1A @ 120 VAC, 8A @ 240 VAC. SPDT mercury: 0.5A @ 120 VAC, 1A @ 240 VAC. Silver Snap: 5A @ 250 VAC, 30 VA. VDC resistive. SPDT H.S. Gold Snap: 1A @ 125 VAC, 30 VDC resistive. 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, CSA, FM, UL.

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 and 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 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

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. SPDT mercury: 6A @ 120 VAC/VDC, 3A @ 240 VAC/VDC. SPDT Snap: 15A @ 120 VAC, 6A @ 240 VAC, 0.5A @ 120 VDC, 0.25A @ 240 VDC. SPDT H.S. Silver Snap: 5A @ 225/250 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˝ (.19” mm) conduit hub. Process Connection: 1/8˝ male NPT and 1/4˝ 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: FM, UL for mercury switch models. UL only on snap switch models.