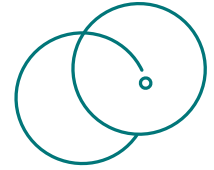




fives



PROCESS
TECHNOLOGIES

North American Gas Pressure Switch

SPECIFICATIONS

Sheet 1597A-4

High/low gas pressure switch (SPDT) with automatic reset and with visual indication of switch position. Mounts directly to various ports on the Double Shutoff Valves and/or the Gas Pressure Regulators.

Gases

natural gas, propane, non-corrosive gases, and air

Switch

SPDT

Switch Action

high/low limit, NC breaks on rise, automatic reset

Contact Rating

UL, FM: 10 A res., 8 FLA, 48 LRA at 120 V ac

CSA: 3 A res., 4.5 FLA at 300 V ac

Set Point Range

R830-5574: 12" - 60"w.c.

R830-5576: 40" - 200"w.c.

Enclosure

NEMA 4

Ambient/Fluid Temperature

-40°F to 140°F

Max. Operating Pressure

7 psi

Materials in Contact w/ Gas

housing: cast aluminum

rubber components: NBR-based rubber

Approvals

UL Listed: File No. MH 16628, Guide No. MFHX

FM Approved: Report J.I. IT7A8.AF and J.I. 1Y9A9.AF

CSA Certified: LR 73925

NOTE: For stand-alone switches and other ranges, see Sheet 8757-4.

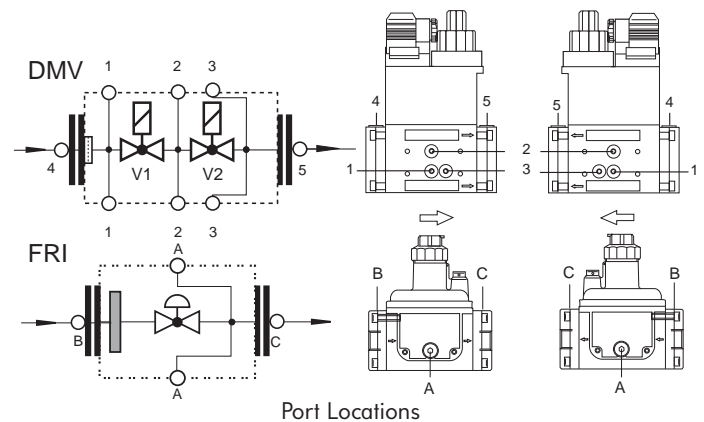
INSTALLATION

- Read these instructions carefully.
- Failure to follow them and/or improper installation may cause explosion, property damage, and injuries.
- Installation must be done with the supervision of a licensed burner technician.
- The system must meet all applicable national and local code requirements.
- Check the ratings given in the specifications and on the switch to make sure that it is suitable for your application.
- These switches require a conduit seal to meet 4.1.3.2 of NFPA 86 2011.

- Never perform work if gas pressure or power is applied, or in the presence of an open flame.
- Protect surfaces. Make sure that seals and O-rings are clean and in good condition.
- Once installed, perform a complete checkout including a gas leak test.
- Label all wires prior to disconnection when servicing switches. Wiring errors can cause improper and dangerous operation.
- Verify proper operation after servicing.

Location

The gas pressure switch can be mounted directly to the Double Shutoff Valve ports 1, 4, and 5 and/or the Gas Regulator ports A, B, and C. The pressure switch should be mounted in locations meeting the requirements of the applicable code.



Mounting

- The gas supply must be shut off and the Double Shutoff Valve must be de-energized before mounting the gas pressure switch.
- Disconnect all power to the pressure switch before beginning to prevent electrical shock and equipment damage.

Recommended Mounting Procedure

- Remove the clear cover of the switch.
- Open the plastic bag containing the mounting kit which is placed under the cover.
- Take out the M4 x 20 mm self tapping socket head screws.
- Use the screws to cut the threads in the predrilled holes in the flange or the side of the valve body at the desired mounting position.
- Use a 3 mm hex key wrench to turn the screws. After cutting the threads remove the M4 x 20 mm socket head screws.
- Fit the 10.5 x 2.25 mm O-ring into the groove on the back of the pressure switch.