

Model- SMD**Model - SMD****Air Flow Interlocking Switch****Specifications****Electrical**

10A @ 125, 8A @ 250, 7A @ 277 VAC

1/8 HP @ 125 VAC, 1/4 HP @ 250 VAC

Pilot Duty 125 VA @ 125/277 VAC

All Models

Maximum surge pressure: 20" W.C.

Maximum ambient temperature: 170°F

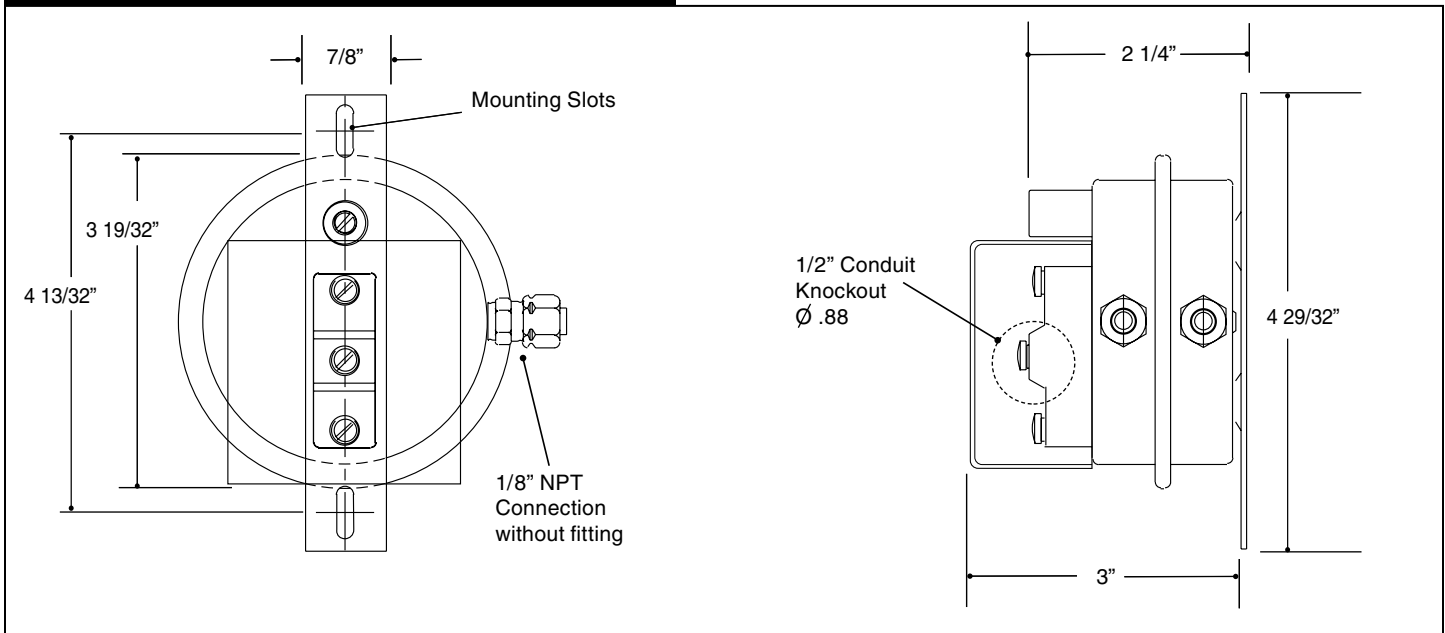
Minimum ambient temperature: -40°F

You are installing one of the finest switches of its type on the market. You will find this switch has many superior features that insure dependable, accurate long life operation. This switch is highly sensitive and fully approved. It is UL and CSA listed, and has FM approval (optional).

Please read this instruction sheet carefully to assure correct installation. This equipment must be installed only by a licensed electrician who is experienced with combustion safeguard control systems and understands the functions of an interlocking switch such as gas pressure switches. Prior to being put into operation in conjunction with the combustion safeguard systems, all switches should be tested for proper range setting and proper wiring. Check piping connections and switch housing for leaks with a soap bubble test. All exhaust fans and blowers should be inspected and checked for proper rotation prior to starting up.

MODEL - SMD

Dimensions



Installation

Models may be mounted in a horizontal or vertical position. All switches are tested at the factory in a vertical position. Locations of fittings and types of fittings may vary from unit to unit.

Mounting diaphragm in vertical position is the preferred method.

Mounting in horizontal position, micro switch must be on the top. When mounted in this position, the minimum sensitivity may be higher than that specified.

Range Adjustment

All settings are made with the diaphragm in a vertical position. The switch is shipped with the adjustment at minimum .17" W.C.

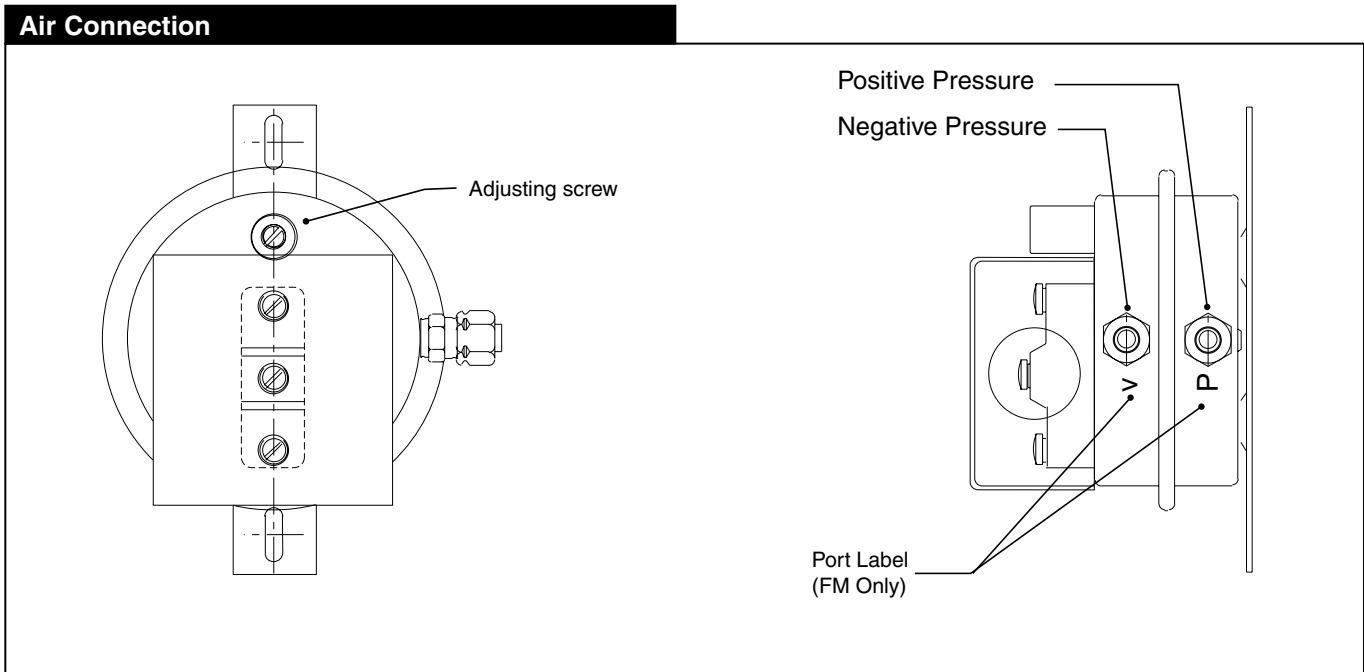
To adjust, turn adjusting screw with screwdriver. To increase pressure setting, turn adjustment screw down in a clockwise direction. To decrease pressure setting, turn adjusting screw up, in a counterclockwise direction.

Notes

Standard mounting bracket is shown. For other mounting arrangements, contact factory.

| All Models | Optional Fittings |
|------------------------------|-------------------|
| Max. Surge Pressure 20" W.C. | 1/4" Barb |
| Max. Ambient Temp. 170° F | 1/4" Tube |
| Max. Ambient Temp. -40° F | 1/2" Compression |

MODEL - SMD



Air Connection

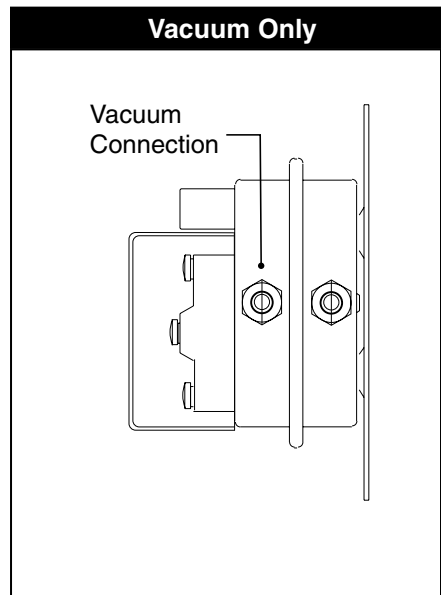
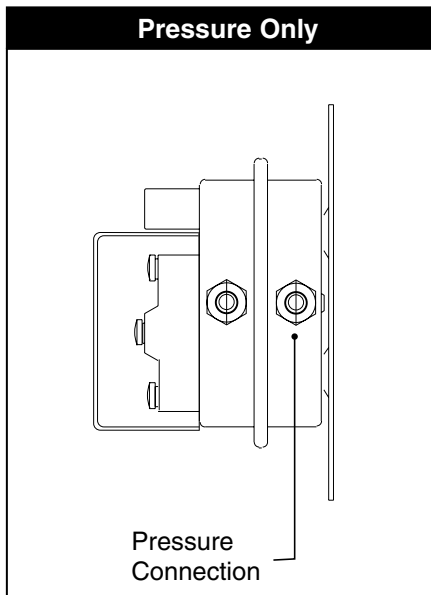
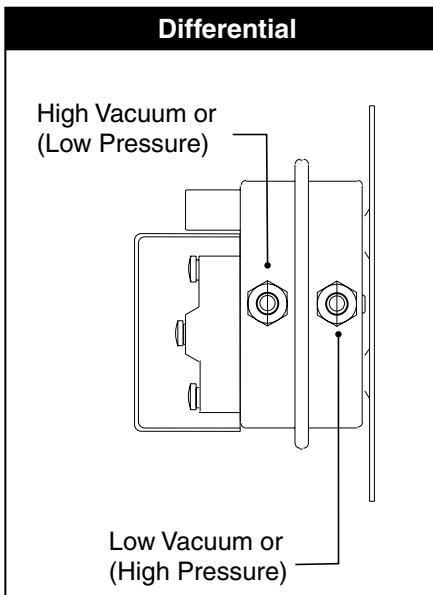
Tubing: Recommended as minimums: 1/4" copper or aluminum tubing; 1/8" pipe. All tubing and pipe must be clean and free from oil, dirt, and chips. If piping runs over five feet long, use larger size tubing or pipe, and reduce size at switch connection.

Switch Differential @ 70° F

| Differential | Operating Pressure Range |
|--------------------|--------------------------|
| .015" to .03" W.C. | .17" - 1" W.C. |
| .5" W.C. | .17" - 6" W.C. |
| 1.0 W.C. | .17" - 12" W.C. |

Air Supply

Should be connected as shown in drawings.



Always leave un-used ports open to atmosphere.