

Figure 1 : Before pressure is applied to the diaphragm, the switch contacts will be in the null position.

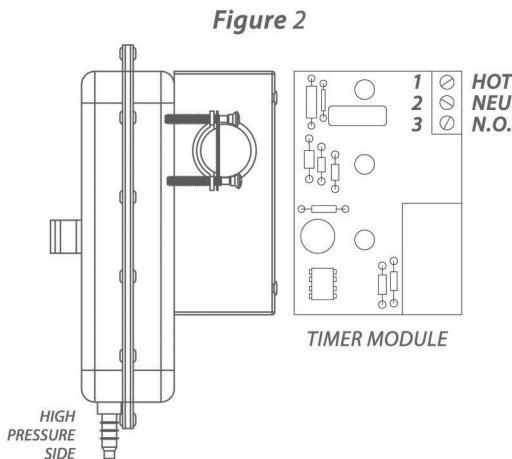


Figure 2 : The sample line connection is situated on the high pressure side of the diaphragm.

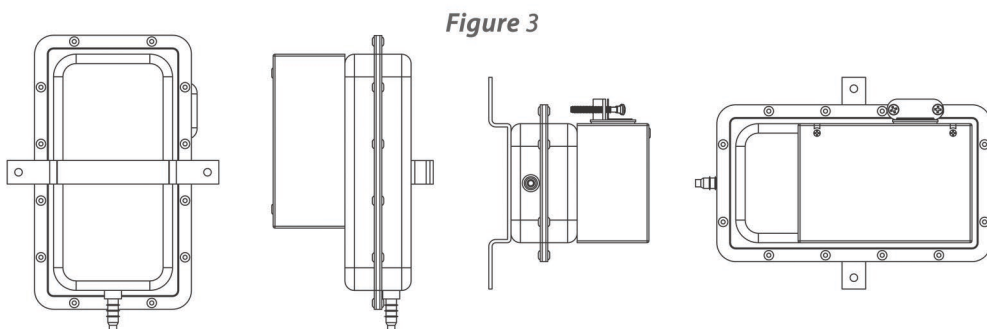
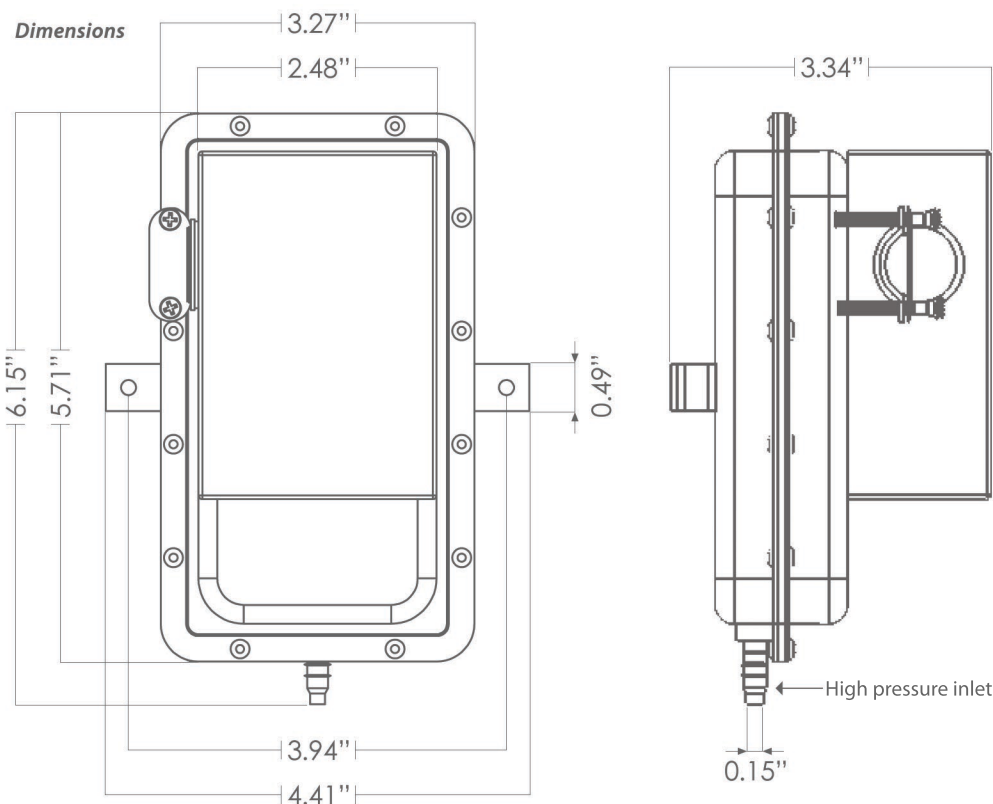


Figure 3 : Mount with the diaphragm in any vertical plane.



Specifications

Model APS

Air pressure sensing switch with fixed set point

Mounting position :

Mount with the diaphragm in any vertical plane to obtain specified operating set point.

Set point :

Fixed to operate on pressure rise at 0.05 ± 0.02 "w.c.
(1.27 ± 0.508 mm)

For APS-A (with adjustment screw) :

Fixed to operate on pressure rise at 0.05 ± 0.02 "w.c. to 0.2 ± 2.0 "w.c.

Switching differential (approximate) :

0.02 ± 0.01 "w.c.
(0.508 ± 0.254 mm w.c.)

Measured media :

Air, or combustion byproducts that will not degrade silicone.

Maximum pressure :

1/2 psi (0.03 bar)

Operating temperature range :

-40°F to 180°F
(-40.0°C to 82.2°C)

Life :

100,00 cycles minimum at 1/2 psi maximum pressure each cycle and at maximum rated electrical load.

Electrical rating :

300 VA pilot duty at 155 to 277 VAC,
15 amps non inductive to 277 VAC,
60 Hz.

Contact arrangement :

SPST-NO

Electrical connections :

Screw-type terminals.

Sample line connector :

Barbed 1/8" - 1/4" slip-on connector accepts flexible tubing.

Shipping weight :

1.2 lbs.

Approvals :

ETL

Functional specifications

Integral recycling delay timer with 10 minutes ON, 15 seconds OFF cycle, 120 volt input.

Power :

120 VAC $\pm 10\%$ - 15% , 50/60 Hz.

Timing range :

10 minutes (600 seconds) $\pm 10\%$

Output :

SPST NO relay rated for 8 amps (resistive) @ 250 VAC or 1/8 hp @ 250 VAC.

Electrical connections :

Terminal block with clamp-type screw connector suitable for 12-26 AWG.

Temperature range :

-40° to 140°F (-40° to 60°C).