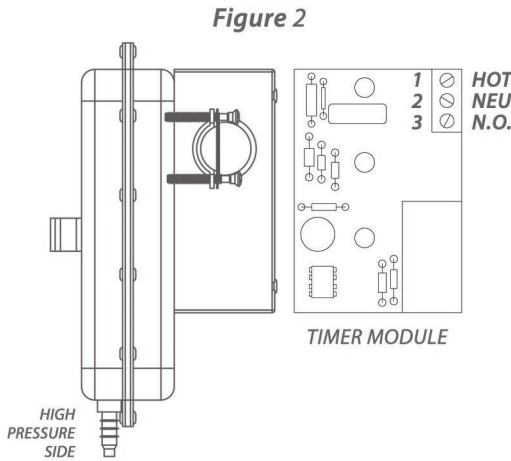
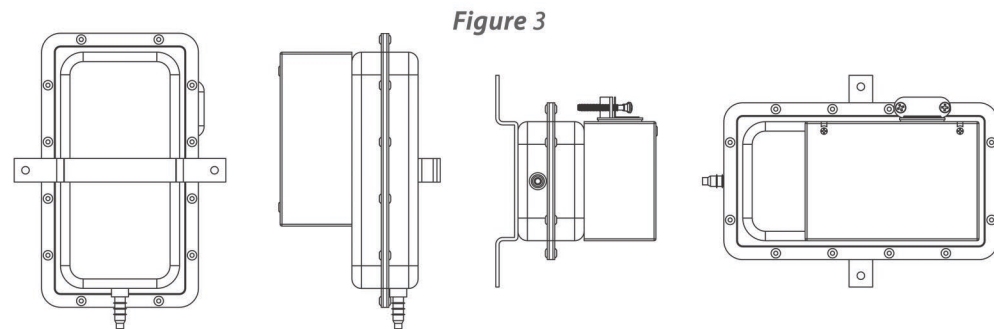


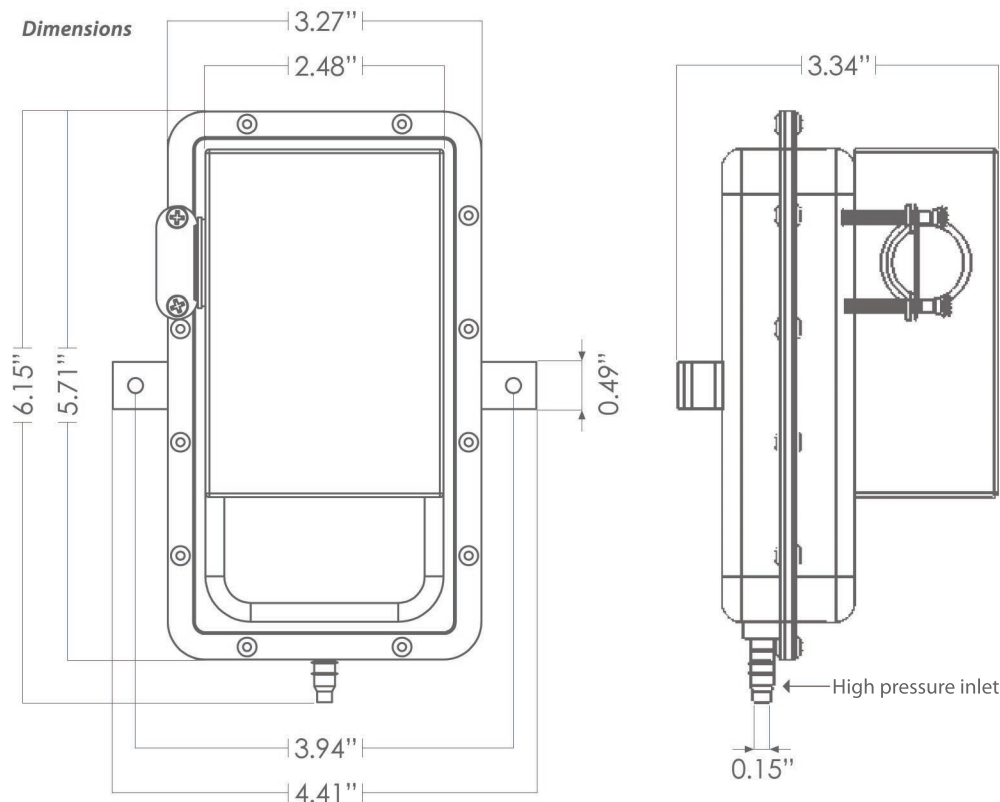
**Figure 1 :** Before pressure is applied to the diaphragm, the switch contacts will be in the null position.



**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  $0.05 \pm 0.02$ "w.c.  
 (1.27 ± 0.508 mm)

**For APS-A (with adjustment screw) :**  
 Fixed to operate on pressure rise at  $0.05 \pm 0.02$ "w.c. to  $0.2 \pm 2.0$ "w.c.

**Switching differential (approximate) :**  
 $0.02 \pm 0.01$ "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 +10%/-15%, 50/60 Hz.

**Timing range :**  
 10 minutes (600 seconds) ±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).