

**THIS PRODUCT MUST BE INSTALLED BY
A CERTIFIED HVAC TECHNICIAN**

Table 1: Kit Contents		
MODEL #	DESCRIPTION	QTY
2374-522 2374-523	Air Switch	1
61517	Mounting Bracket	1
61518001	0.010" Dia Orifice (Green)	2
61518002	0.016" Dia Orifice (Gray)	2
61518003	0.028" Dia Orifice (Red)	2
61518004	0.035" Dia Orifice (Blue)	2
T03.188.313-2	2 Ft of 3/16" ID Silicone Tubing	1

A. Unpacking

- Carefully remove the Air Pressure Switch and any included components from the packaging.
- Inspect for any damage and ensure all pieces are included before assembly.

B. Switch Adjustment

- Use a 7/64" Allen key in the keyhole to adjust the set point viewable in the adjustment cover viewing window as shown in Figure 1.
- Turn clockwise to increase the set point; counterclockwise to decrease.
- For highest accuracy turn clockwise to a point above the required set point, and then counterclockwise back to the required setting. Hard stops indicate mechanical adjustment limits. Damage can occur if mechanical adjustment limits are exceeded. The scale indicates the set point for pressure rise operation in the standard vertical orientation (ports facing down). For horizontal orientation or pressure fall operation see Table 2.

Using Table 2, adjust set point calibration to account for orientation and/or operation-related deviation.

Note: Field validation is recommended if the exact set point is critical.

C. Adjustment Cover Removal (Optional)

The switch may be installed without its adjustment cover if space is limited:

WARNING: ONCE ADJUSTMENT COVER IS REMOVED, THE SCALE IS NO LONGER VALID IF REATTACHED.

- Remove the two mounting screws to detach the adjustment cover.
- A **PVG and manometer** must be used for accurate calibration.

D. Mounting Instructions

- Select a mounting location free from vibration. Mount with the diaphragm in any vertical plane. See Table 2 if intending to mount horizontally. Do not mount with the sample line connections directed upward.
- Refer to Figure 2 for the mounting dimensions of the integral foot bracket. Using two slotted hex mounting screws (not included), mount the calibrated ANS2 switch via the integral foot bracket.
- If the adjustment cover is removed, the switch will need to be mounted with a separate bracket. The ANS2 Kit includes a mounting bracket for use after the adjustment cover is removed.

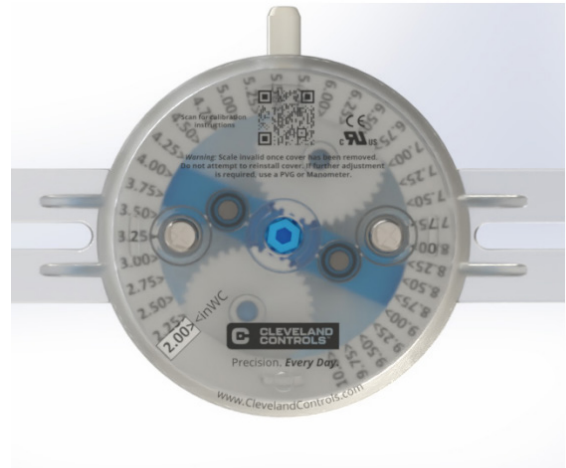


Figure 1 Viewing Window

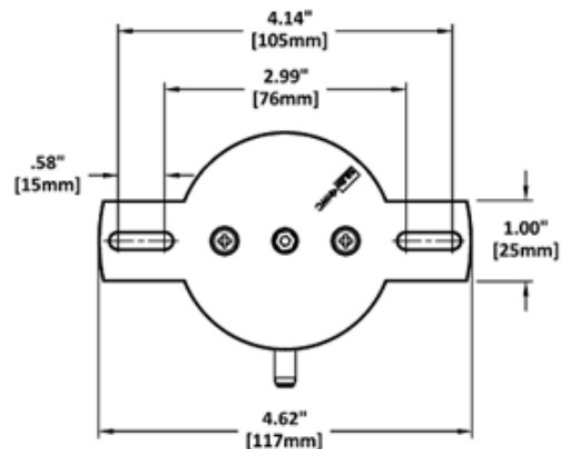


Figure 2 Integrated Mounting Foot Dimensions

Table 2: Scale Offset Table									
Model	Positive pressure reading if:	Negative Pressure Port reading If:					Horizontal Installation		Pressure fall
	Positive port with orifice	No orifice	Orifice type	Orifice with positive port	Orifice in negative port	Orifice in both ports	Terminals up	Terminals down	
2374-522	0	0	Green	0	0.26	0.26	-0.08	0.08	-0.05
			Gray		0.02	0.02			
			Red						
			Blue						
2374-523	0	0.06	Green	0.06	0.33	0.33	-0.09	0.09	-0.09
			Gray		0.22	0.22			
			Red		0.2	0.2			
			Blue		0.19	0.19			