

9375 Series

A snap action low-range high temperature pressure switch designed for outstanding performance in air-proving type applications. Self-cleaning contacts afford durable and stable switching performance throughout life. Ideal for air proving applications such as gas fired heating or appliance exhaust, where long life and high reliability are required for safety.

Summary

Designed for use in the HVAC industry, where reliable air proving is critical to both performance and customer safety, the MPL 9375 will perform equally well in other applications which demand low OEM unit cost, robust design, set point accuracy, and high reliability.

Applications

- Air Proven
- Air Filter Monitoring
- Exhaust Monitoring
- Automation
- Pneumatic Equipment

Features

- Customer Engineered Solutions
- Extreme Low Pressure
- Normally Open (SPNO only)
- Historically Proven Reliability
- Configurable Port Orifice
- Factory-set Customizable Set Points

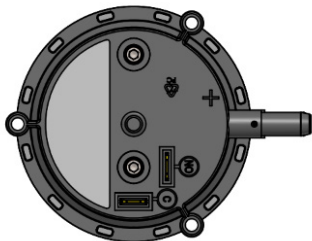
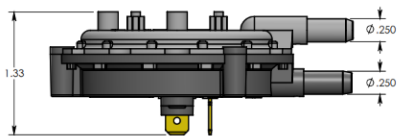
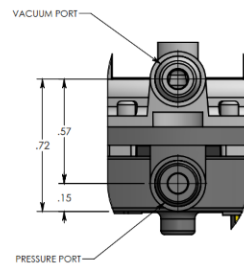
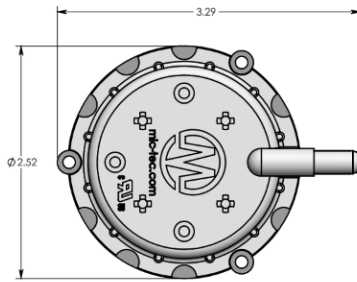
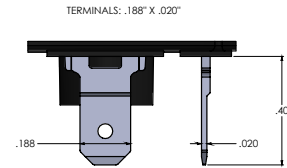
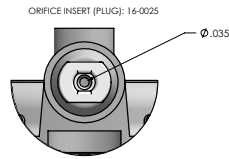
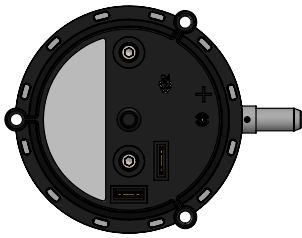
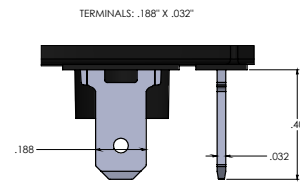
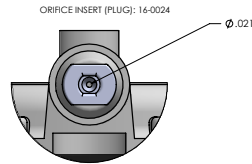
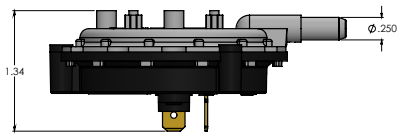
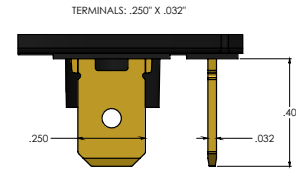
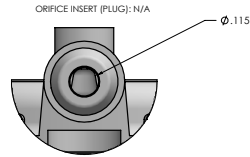
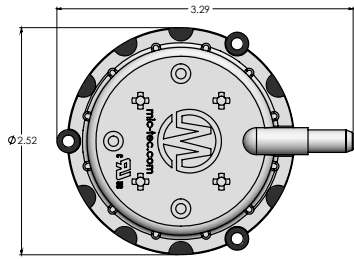


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Standard Specifications

Mechanical			
Body	Polycarbonate		
Diaphragm	Post cured silicone		
Terminals	Copper alloy (Brass)		
Contacts	Silver / composite		
Actuator	Beryllium Copper (BECU)		
Springs	Stainless steel (SS), BECU		
Port outside Φ	0.25" (6.35mm)		
Bleed hole Φ	0.016" (0.41mm)		
Functional			
Operating position	Diaphragm vertical		
Operating temperature	-40°C to 85°C		
Proof pressure	2 PSIG (13.8 kPa) max		
Burst pressure	3 PSIG (20.7 kPa) max		
Durability	200k+ cycles at 24 mA 24 VAC		
Mechanical life	1 million cycles		
Set points			
InH ₂ O (Pa) @ ambient	Tolerance	Hysteresis	
0.10 (25) deact or 0.20 (50) act to 1.00 (25)	+/- 0.05 (12)	0.04 (10) to 0.14 (35)	
1.01 (251) to 1.50 (375)	+/- 0.07 (17)	0.04 (10) to 0.20 (50)	
1.51 (376) to 2.0 (498)	+/- 0.08 (20)	0.04 (10) to 0.20 (50)	
Electrical			
Contact resistance	<10 ohms		
Minimum load	15mA, 24 VAC		
Ratings	2 amp resistive @125-277 VAC		
Pilot duty	28VA @ 24VAC 125VA @ 125 VAC		
Agency			
UL & cUL file#	MH16997		

For set points higher than 2.0 (498), see 9370 or 9371





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Ordering Information

9 3 7 5 X X - X 0 0 1 X

Product Code (4 digits)
Identifies Product Family

Type
V = Vacuum
D = Differential

Quantity of Switches
S = Single
D = Dual
T = Triple

Terminals
Serial Number
Assigned number (3 digits)

Terminals /Bleed hole	Terminals	Bleed hole
0	0.250 x 0.032	open
1	0.188 x 0.032	open
2	0.188 x 0.020	open
3	0.250 x 0.032	0.021
4	0.188 x 0.032	0.021
5	0.188 x 0.020	0.021
6	0.250 x 0.032	0.035
7	0.188 x 0.032	0.035
8	0.188 x 0.020	0.035

Set Point	From (inH2O)	To (inH2O)
A	0.15	0.30
B	0.30	0.45
C	0.45	0.60
D	0.60	0.75
E	0.75	0.90
F	0.90	1.05
G	1.05	1.20
H	1.20	1.35
I	1.35	1.50
J	1.50	1.75
K	1.75	2.00

Set point ranges from 0.10 to 1.70 available

