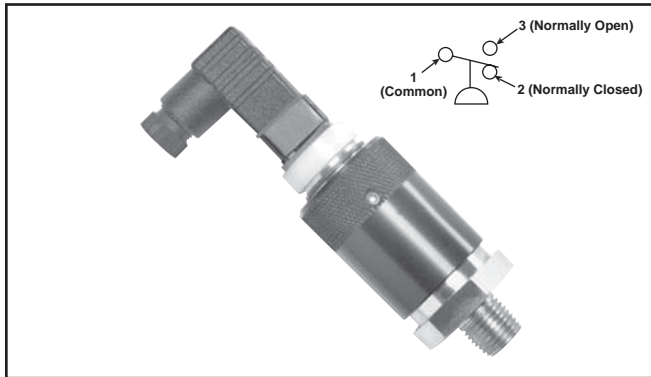


Pressure Switch – PPS1

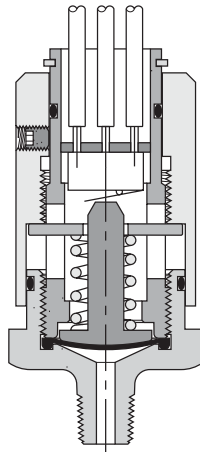


Features:

- Long life elastomer diaphragm
- High quality snap action switch
- Field adjustable
- Compact design
- Easily customized
- Quick delivery
- NEMA 4, 13

Operation

The pressure switch monitors the air pressure in your pneumatic system. When the pressure in your system either drops below or exceeds the set point pressure, an electrical output is given.



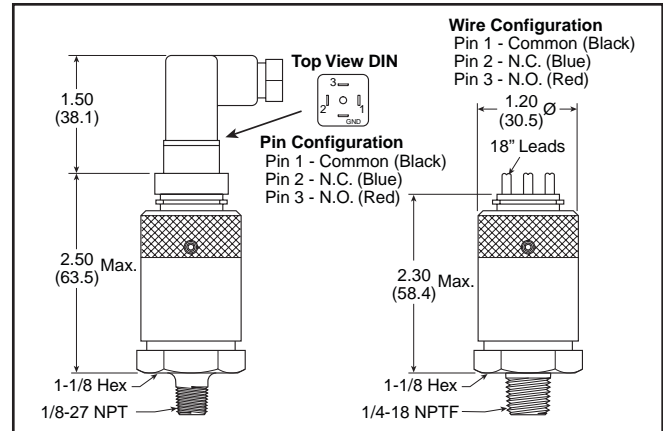
Ordering Information

Thread	Circuit	Range	Set Point Direction	Electrical Connection
PPS1 - 1	C	3	- R	HM
Thread			Set Point Direction	Electrical Connection
1 1/4" NPT Male			R Rising	HM DIN 9.4mm
2 1/8" NPT Male				WL Wire Leads
17 1/4" BSPP Male				18"
18 1/8" BSPP Male				
	Circuit	Range*		
	C SPDT	1 3-10 PSI		
		2 6-30 PSI		
		3 20-120 PSI		
		4 100-400 PSI†		

† Only available in 1/4" NPT

* Factory setting for calibration purposes
Range 1 = 6 PSI
Range 2 = 18 PSI
Range 3 = 70 PSI
Range 4 = 250 PSI

Note: Switch is field adjustable.



Definitions and Terminology

Repeatability — Accuracy is the maximum allowable set point deviation of a single pressure or temperature switch under one given set of environmental and operational conditions.

Single Pole Double Throw (SPDT) Switching element — A SPDT switching element has one normally open, one normally closed and one common terminal. Three terminals mean that the switch can be wired with the circuit either normally open (NO), or normally closed (NC), or both.

Dead Band — The dead band, sometimes referred to as “differential” or “hysteresis”, is the change in pressure between actuation and deactuation set points.

Specifications

Set Point Tolerance	±1 PSI or 5% (.07 bar)
Temperature Range	-40F° to 220F° (-40C° to 105C°)
Max. Operating Pressure (Ranges 1, 2, 3)	250 PSI (17.2 bar)
Max. Operating Pressure (Range 4)	2000 PSI (137.9 bar)
Deadband	10 - 20% of set pressure
Current Rating	3A @ 125 VAC 2A @ 30 VDC (Resistive)
Circuit Form	SPDT Standard
Cycle Life	1 Million
Materials of Construction	
Adjustment Knob	Anodized Aluminum
Body	Brass
Diaphragm	Nitrile