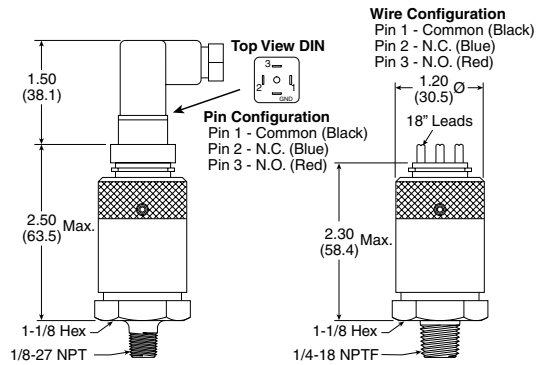
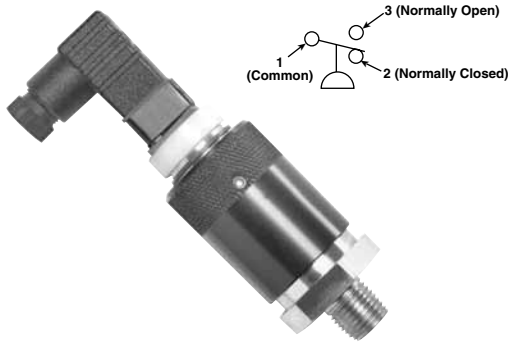


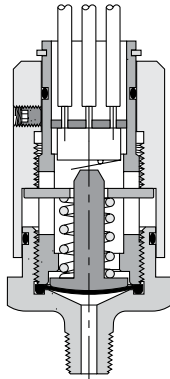
Pressure Switch – PPS1



- 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.



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

Material Specifications

Adjustment Knob	Anodized Aluminum
Body	Brass
Diaphragm	Nitrile

Ordering Information

PPS1	-	1	C	3	-	R	HM
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Thread

1 1/4" NPT Male
 2 1/8" NPT Male
 17 1/4" BSPP Male
 18 1/8" BSPP Male

Circuit

C SPDT

Set Point Direction

R Rising

Electrical Connection

HM DIN 9.4mm
 WL Wire leads 18"

Range*

1 3-10 PSI
 2 6-30 PSI
 3 20-120 PSI
 4 100-400 PSI†

* 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.

† Only available in 1/4" NPT

	QUBE Features
	Filters
	Coalescing Filters
	Regulators
	Lubricators
	Integral Filter Regulators
	Combination Units
	Accessories
	Soft Start Valves
	Mounting Brackets