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.

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 “hysterisis”, is the change in pressure between actuation and deactuation set points.

Specifications
Set Point Tolerance ........................................ ±1 PSI or 5% (.07 bar)
Temperature Range .......................-40°F° to 220°F° (-40°C° to 105°C°)
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

Ordering Information

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<td>C</td>
<td>3</td>
<td>R</td>
<td>HM DIN 9.4mm WL Wire Leads 18&quot;</td>
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Circuit Form
- HM - DIN 9.4mm
- WL - Wire Leads 18"

Note: Switch is field adjustable.