

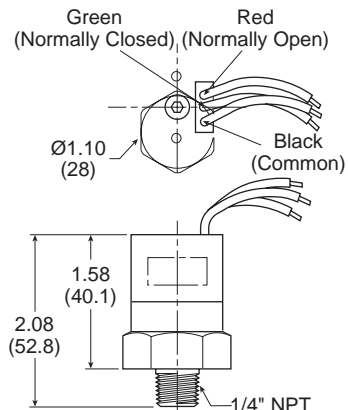


Pressure Switch – P01908



Features:

- Inline mounting
- 5 amp rated snap action micro switch
- Brass body
- Compact size
- Flying leads electrical connection
- IP65 Rated
- Field adjustable 25-100 PSIG
- +/- 2% repeatability
- Single pole/Double throw switch



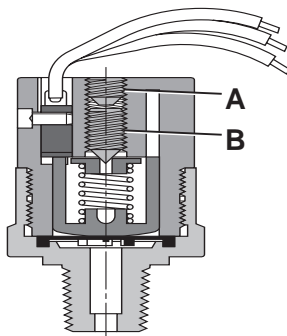
Operation

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.

Remove screw **(A)** from the top of the switch. Using a 0.125" (3mm) hex wrench, turn the adjusting screw **(B)** clockwise to increase the pressure set point and counterclockwise to decrease the pressure setting, replace screw **(A)**. Adjustment range of 25 to 100 PSIG (1.7 to 7.5 bar).

Standard Electrical Circuit

- Black..... Common
- Green..... Normally Closed
- Red..... Normally Open



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.

Kits and Accessories

- Bushing 1/4" to 3/8"209P-6-4
- Bushing 1/4" to 1/2"209P-8-4

Specifications

- Electrical 5 AMP, 12/24VDC, 125/250VAC
- Maximum Inlet Pressure 300 PSIG (20 bar)
- Mechanical Life 2x10⁶ at 75 PSIG (5 bar)
- Electrical Connection 18" Flying Leads
- Electrical Protection IP65
- Repeatability ±2% at 70°F (20°C) Ambient
- Temperature Range -40°F to 180°F (-40°C to 80°C)
- Weight..... 0.23 lb. (0.11 Kg)

Materials of Construction

- Diaphragm Nitrile
- Housing Brass