OPERATOR'S MANUAL
ARO PNEUMATIC LOGIC CONTROL LOGIC FUNCTION ASSEMBLY

PRESSURE SWITCH

MODEL **59891**

REVISED: 1-15-01
PN 58999-58

CIRCUIT SYMBOL: ----- (PS)

READ THIS MANUAL CAREFULLY BEFORE INSTALLING, OPERATING OR SERVICING THIS EQUIPMENT.

It is the responsibility of the employer to place this information in the hands of the operator. Keep for future reference.

DESCRIPTION

The APLC pressure switch is a pilot operated single pole - single throw, normally open (SPST - NO) device which converts air pressure signals to electrical signals. Pressure ratings are compatible with those used for Aro pneumatic logic controls. The unit has a 1/8" NPT male pipe connection which allows the unit to be assembled to the test port of most standard logic elements or to a porting block with a 1/8" NPTF pipe threads. Therefore, the pressure switch can be an assembled part of the APLC circuit board assembly.

SPECIFICATIONS

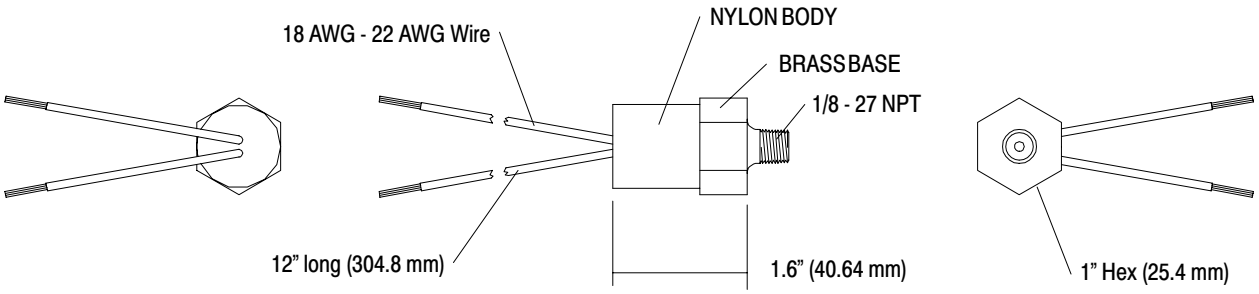
Model:	59891
Description:	Pressure Switch
Media:	Use with Compressed Air Only
Connections:	One 1/8" - 27 NPT Input
Filtration required:	40 Micron, clean, dry
Lubrication:	Not Required
Operating Pressure Range:	30 to 150 p.s.i.g.(2.1 to 10.3 bar)
Temperature Range:	+32°F to +160°F
Switching Characteristics:	Contacts close at 20 ± 5 p.s.i.g. Contacts open at approx. 15 p.s.i.g.
Contact Rating:	6 Amps @ 125 / 250 VAC * 5 Amps @ 30 VDC * * (resistive load rating)
Response Time:	On - 1 ms Off - 4 ms
Low Current Application:	100 mA Minimum

TESTING

Apply increasing air pressure to the inlet port of the switch. The switch contact will close, making the electric circuit, at a pressure of 20 ± 5 p.s.i.g. Decrease the air pressure to the inlet port. The contacts will open, breaking the electric circuit, at approximately 15 p.s.i.g.

INSTALLATION

Maximum installation torque = 50 in. lb.



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