

PS-J Series – OEM Subminiature Pressure Switch

- ▶ 1.5 to 3000 PSI (0,1 to 210 bar) Pressure Range
- ▶ Field or Factory Set
- ▶ 9000 PSI (600 bar) Proof Pressure

Gems PS-J Series of pressure switches are designed for OEM applications. The switches are equipped with high proof pressure capabilities for demanding applications, but are economically priced by using metal blade contacts in lieu of a microswitch. The switches can be field or factory adjusted.

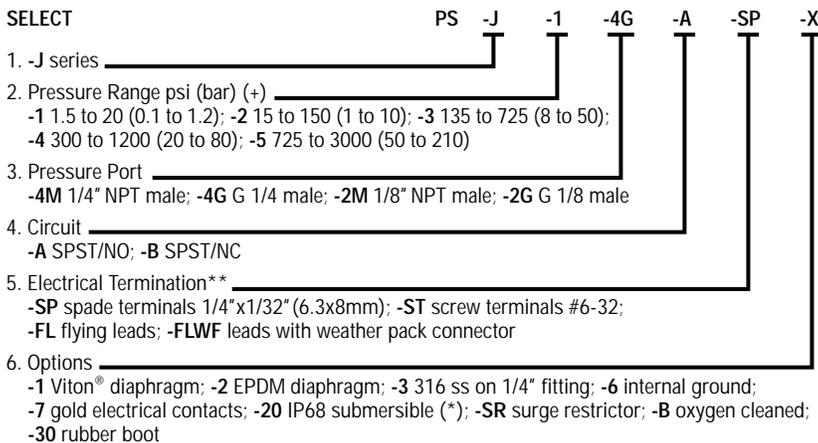
Specifications

Process Temperature	
Buna-N	-4°F to +250°F (-20°C to +120°C)
EPDM*	-40°F to +250°F (-40°C to +120°C)
Viton®	+32°F to +250°F (0°C to +120°C)
Ambient Temperature	
	-40°F to +250°F (-40°C to +120°C)
Switch	
	SPST, 100 VA, 42V max. (>2 million cycles @ 1,000 psi, max. 200 cycles/min.)
Approvals	
	CE
Repeatability	
	2% of Highest Set Point @ 70°F (20°C)
Wetted Parts	
Diaphragm	Buna-N (Optional EPDM or Viton®)
Fitting	Zinc-Plated Steel (Optional 316 SS)
Electrical Termination	
	6.3mm (1/4") Spade or Screw Terminals
Process Fitting	
	G or NPT 1/4" (optional 1/8")
Deadband	
	<10% of Full Scale Set Point
Proof Pressure	
	9000 psi (600 bar)
Weight, Approximate	
	0.14 lbs. (0.06 kg)

*Optional

How To Order

Use the **Bold** characters from the chart below to construct a product code.



Note: (+) For factory-set units indicate setting and units followed by -R for rising or -F for falling

Example: PS-J-50psi-R-4M-A-SP (50psi, Rising, 1/4" NPT, Normally Open Switch)

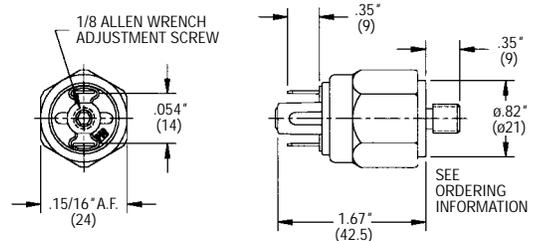
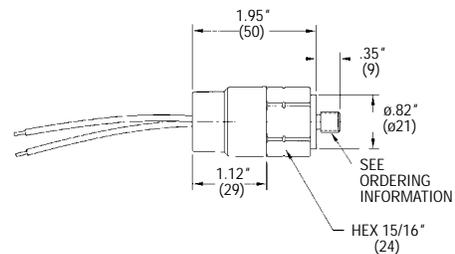
(*) submersible option requires wire leads and factory preset set point (unit is not field adjustable)

** leads require submersible option



Dimensions

Submersible Option



Pressure Range Code	Adjustable Range	Dead Band, Max.
-1	1.5-20 psi 0,1-1,2 bar	2 psi 0,12 bar
-2	15-150 psi 1-10 bar	15 psi 1 bar
-3	135-725 psi 8-50 bar	73 psi 5 bar
-4	300-1200 psi 20-80 bar	120 psi 8 bar
-5	725-3000 psi 50-210 bar	300 psi 21 bar