PS32 – Elastomer Diaphragm OEM Subminiature Pressure Switch

- 5 to 150 psi (.345 to 10 bar) *formerly PS-JL series*
- Ideal for Pneumatic and Low Pressure Hydraulic Applications
- Adjustable or Factory Set

These compact pressure switches are designed for OEM applications. Made economical by using metal blade contacts in lieu of microswitches, the series features long-lasting Elastomer diaphragms in three materials. Elastomer diaphragms offer increased sensitivity and life for applications without temperature extremes.

Specifications

Operating Temperature	-40°F to +200°F (-40°C to +93°C)
Switch*	100 VA Max.
Repeatability	±5% of Full Set Point Range @ 70°F (20°C)
Wetted Parts	
Diaphragm	Elastomer (Nitrile standard) (Viton, EPDM optional)
Fitting	Brass standard (optional 316 SS)
Electrical Termination	Exposed Terminals IP00; IP option IP66
Deadband	<5% of Set Point
Proof Pressure	500 psi (35 bar)
Approvals	CE (limits switch voltage to 42 VDC)
Weight, Approximate	Brass: 0.14 lbs. (0.06 kg)

*Gold contacts (option G) may be required for less than 12 VDC and 20 mA.

How To Order

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

SELECT **PS32** **-20** **-4MNB** **-A** **-SP** **-XX** **-XXXX**

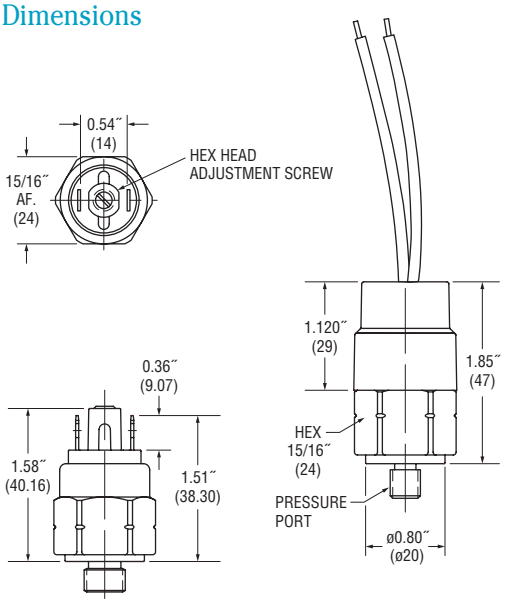
1. Pressure Range Code
   Insert Pressure Range Code from table below right
2. Pressure Fitting[1]

Brass	316 Stainless Steel
-2MNB 1/8˝ NPTM	**-2MNS** 1/8˝ NPTM
-4MNB 1/4˝ NPTM	**-4MNS** 1/4˝ NPTM
-2MGB 1/8˝ BSPM	**-2MGS** 1/8˝ BSPM
-4MGB 1/4˝ BSPM	**-4MGS** 1/4˝ BSPM
-4MSB 7/16˝-20 SAE Male	**-4MSS** 7/16˝-20 SAE Male

3. Circuit
   -A SPST/NO; **-B** SPST/NC
4. Electrical Termination
   -SP Spade Terminals (standard); **-TS** Terminal Screws; **-FLXX** Flying Leads[2];
   -FLSXX Flying Leads w/PVC Shrink Tubing[2]; **-CABXX** 18 AWG PVC Cable[3]
5. Options
   -V Viton® Diaphragm; **-E** EPDM Diaphragm; **-H** ECOH Diaphragm;
   -G Gold Contacts (for loads less than 12 mA @ 12 VDC); **-IP** Ingress Protection[4];
   -OXY Oxygen Cleaned; **-RB** Rubber Boot (shipped loose);
   -WF Weather Pack Connector, Female; **-WM** Weather Pack Connector, Male;
   -DE Deutsch Connector, Male, DT04 Series
6. Fixed Set Point (optional)
   A. Specify set point **-FS** (in PSI or BAR, see example)[5]
   B. Set Point Actuation
   R on Rising Pressure; **F** on Falling Pressure
   Example: **-FS0.6BARF** for 0.6 BAR Falling or **-FS10PSIR** for 10 PSI Rising

Notes:
1. Other connectors available. Consult factory.
2. 18˝ is standard. Specify lead length in inches (max. 48˝). e.g. **-FL18** or **-FLS30**.
3. 36˝ is minimum. Specify cable length in inches. e.g. **-CAB36** or **-CAB120**.
4. Ingress Protection is available only with **-FL**, **-FLS** or **-CAB** Electrical Termination choices and requires Fixed Set Point (**-FS**).
5. Set Point must be within Pressure Range selected in Step 1 above.

Dimensions



1/4˝ Spades

Flying Leads with IP option

Pressure Range Table

Pressure Range Code	Pressure Range
20	5-25 psi (0.345-1.7 bar)
30	20-60 psi (1.4-4.1 bar)
40	50-150 psi (3.4-10.3 bar)