PS11 – Ultra-Long Life OEM Pressure Switches

New!

- 0.55 to 12 psi (40 to 800 mbar)
- 1,000,000 Cycle Life
- Factory Fixed or Adjustable Set Points

For low pressure applications, the longevity of our PS11 Series is hard to beat. A life expectancy of 1 million cycles means long-term reliability. Their snap-action microswitch resets automatically and meets or exceeds industry standards. The brass housing offers chemical resistance at an affordable price.

Specifications

Operating Temperature	-40°F to +180°F (-40°C to +80°C)
Switch*	5 Amp at 24 VDC and 250 VAC; 0.5 Amp @ 24 VDC (-G option)
Repeatability	±2% of Full Set Point Range at 70°F (20°C) ambient temp.
Wetted Parts	
Diaphragm	Nitrile (optional Viton®, EPDM or Kapton®)
Fitting	Brass
Housing	Brass
Electrical Termination	DIN 43650A IP00; Terminals IP00; Flying Leads IP00
Proof Pressure	150 psi (10 bar)
Approvals	CE, UL Approved units available
Weight, Approximate	0.31 lbs. (0.14 kg)

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

How To Order

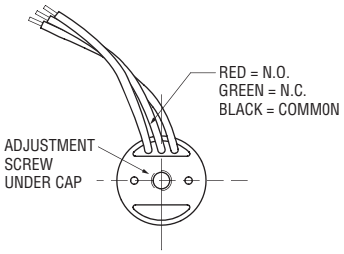
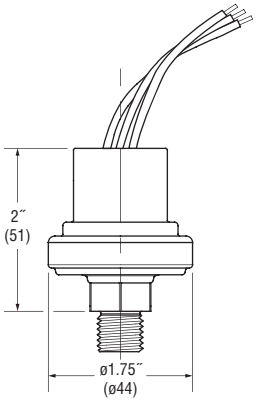
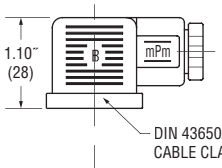
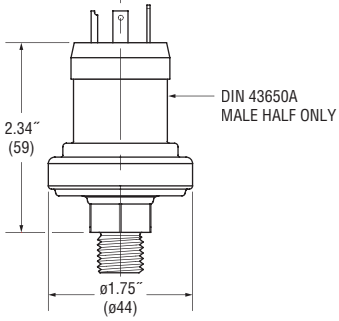
Use the **Bold** characters from the chart below to construct a product code.

SELECT **PS11** **-10** **-4MNB** **-C** **-HC** **-XX** **-XXXX**

1. Pressure Range Code
   Insert Pressure Range Code from table below
2. Pressure Fitting[1]
   -2MNB 1/8˝ NPTM Brass; **-4MNB** 1/4˝ NPTM Brass;
   -2FNB 1/8˝ NPTF Brass; **-4MGB** 1/4˝ BSPM Brass;
   -4MSB 7/16˝-20 SAE Male, Brass;
   -6MSB 9/16˝-18 SAE Male, Brass
3. Circuit
   -A SPST/NO; **-B** SPST/NC; **-C** SPDT
   -AA DPST/NO; **-BB** DPST/NC; **-CC** DPDT
4. Electrical Termination[2]
   -FLXX Flying Leads[3]; **-ELXX** 1/2˝ Male NPT Conduit w/Flying Leads[3];
   -H DIN 43650A Male Half Only; **-HC** DIN 43650A 9mm Cable Clamp;
   -HN DIN 43650A 1/2˝ NPT Female Conduit
5. Options
   -V Viton® Diaphragm; **-E** EPDM Diaphragm; **-K** Kapton® Diaphragm;
   -IP Ingress Protection[4]; **-G** Gold Contacts (for loads less than 12 mA @ 12 VDC);
   -OXY Oxygen Cleaned; **-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 mBAR, see example)[5]
   B. Set Point Actuation
   R on Rising Pressure; **F** on Falling Pressure
   Example: **-FS200MBARF** for 200 mBAR Falling or **-FS3PSIR** for 3 PSI Rising

Notes:
1. Other connectors available. Consult factory.
2. DIN units are available with **-C** SPDT circuit only.
3. 18˝ is standard. Specify lead length in inches (max. 48˝). e.g. **-FL18** or **-EL30**.
4. Ingress Protection requires Fixed Set Point **-FS**.
5. Set Point must be within Pressure Range selected in Step 1 above.
6. Plastic housing is vented to atmosphere. Consult factory for non vented version.

Pressure Range Table

Pressure Range Code	Pressure Range	Average Dead Band
10	1-4 psi (68.9-275.8 mbar)	.07-.02 psi (5-15 mbar)
20	3.5-12 psi (241.3-827.4 mbar)	.3-.6 psi (20-45 mbar)

Dimensions