

# PS11 – Ultra-Long Life OEM Pressure Switches

- ▶ 40 to 800 mbar (0.55 to 12 psi)
- ▶ 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

<b>Operating Temperature</b>	-40°C to +80°C (-40°F to +180°F)
<b>Switch*</b>	5 Amp at 24Vdc and 250Vac; 0.5 Amp @ 24Vdc (-G option)
<b>Repeatability</b>	±2% of Full Set Point Range at 20°C (70°F) ambient temp.
<b>Wetted Parts</b>	
<b>Diaphragm</b>	Nitrile (optional Viton®, EPDM or Kapton®)
<b>Fitting</b>	Brass
<b>Housing</b>	Brass
<b>Electrical Termination</b>	DIN 43650A IP65; Terminals IP00; Flying Leads IP65
<b>Proof Pressure</b>	10 bar (150 psi)
<b>Approvals</b>	CE, UL Approved units available
<b>Weight, Approximate</b>	0.14 kg (0.31 lbs.)

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

## How to Order

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

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

**PS11** Series \_\_\_\_\_

**Pressure Range Code** \_\_\_\_\_  
Insert Pressure Range Code from table below

**Pressure Fitting<sup>1</sup>** \_\_\_\_\_

**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

**Circuit** \_\_\_\_\_

**A** SPST/NO    **B** SPST/NC    **C** SPDT  
**AA** DPST/NO    **BB** DPST/NC    **CC** DPDT

**Electrical Termination<sup>2</sup>** \_\_\_\_\_

**FLXX** Flying Leads<sup>3</sup>    **ELXX** 1/2" Male NPT Conduit w/Flying Leads<sup>3</sup>  
**H** DIN 43650A Male Half Only    **HC** DIN 43650A 9mm Cable Clamp  
**HN** DIN 43650A 1/2" NPT Female Conduit

**Options** \_\_\_\_\_

**V** Viton® Diaphragm    **E** EPDM Diaphragm    **K** Kapton® Diaphragm  
**IP** Ingress Protection<sup>4</sup>    **G** Gold Contacts (for loads less than 12mA @ 12Vdc)  
**OXY** Oxygen Cleaned    **WF** Weather Pack Connector, Female  
**WM** Weather Pack Connector, Male    **DE** Deutsch Connector, Male, DT04 Series

**Fixed Set Point (optional)** \_\_\_\_\_

A. Specify set point **FS** (in PSI or mBAR, see example)<sup>5</sup>  
 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:

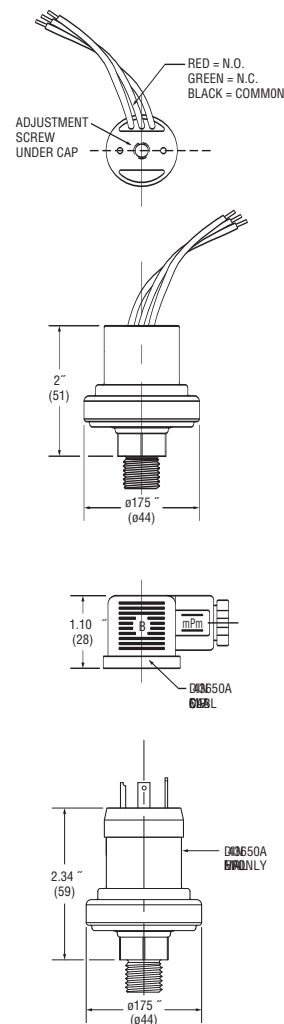
1. Other connectors available. Consult factory.
2. DIN units are available with **C** SPDT circuit only.
3. 18" is standard. Specify lead length in inches (max. 48"). e.g. **FL18** or **EL30**.
4. Ingress Protection requires Fixed Set Point **FS**.
5. Set Point must be within Pressure Range selected in Step 1 above.

## Pressure Range Table

Pressure Range Code	Pressure Range	Average Dead Band
10	37.9-241.3 mbar (0.55-3.5 psi)	5-15 mbar (.07-02 psi)
20	206.8-827.4 mbar (3-12 psi)	20-45 mbar (.3-.6 psi)



## Dimensions



Pin 1	Common
Pin 2	Normally Closed
Pin 3	Normally Open



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