PS31 – Kapton® 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 with metal blade contacts in lieu of microswitches, the PS31 series features Kapton® diaphragms. Kapton® polyimide maintains excellent physical properties over a wide temperature range. It also offers superb chemical resistance with no known organic solvents.

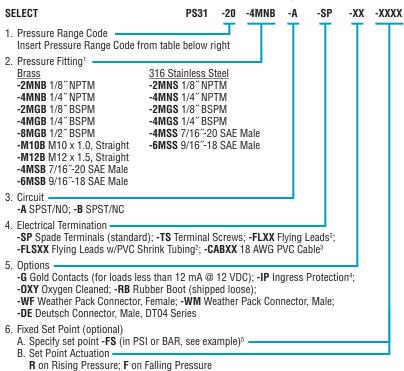
Specifications

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	Teflon® Coated Kapton®	
0-Ring	Nitrile	
Fitting	Brass (optional 316 Stainless Steel)	
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. Kapton® is a registered trademark of Dupont.

How To Order

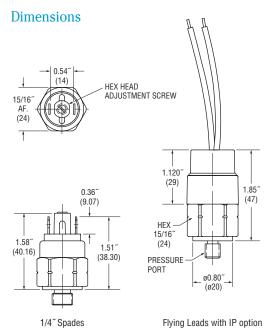
Use the **Bold** characters from the chart below to construct a product code.



Example: -FSÖ.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.
- 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.





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)