



Series 5000

Differential Pressure Switch Stainless Steel Construction Elastomeric Diaphragm

Series 5000 Differential Pressure Switches provide reliable snap action switching in a miniature package while retaining dependability for critical applications.

Incorporating a highly flexible elastomeric diaphragm, the compact 5000 Series switches can be set from 2" H₂O to 60 p.s.i.d. or higher for specified applications.

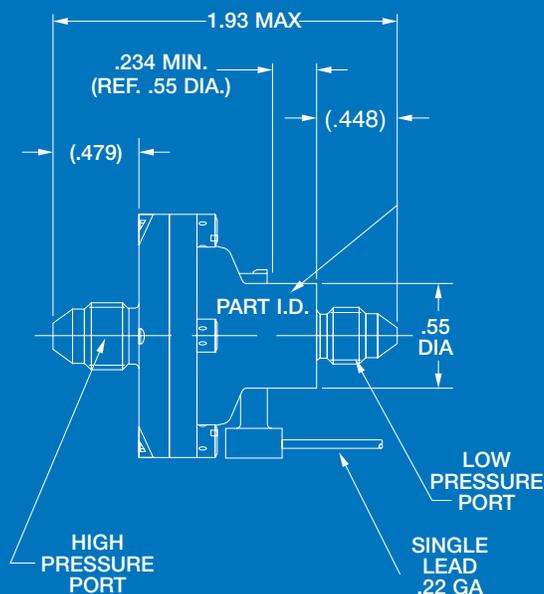
Units can be provided with either electrical connectors or electrical wire leads. Switches are available with either stainless steel or elastomeric diaphragms dependent upon pressure ranges, media or other requirements.

Minimal switching hysteresis for setpoint accuracy.

Series 5000 Specifications:

Pressure setting range:	2" H ₂ O - 60 psid
Proof pressure:	up to 250 psig (simultaneously applied)
Burst pressure:	1,000 psig
Setting accuracy:	+/- 1% of Range
Operating temperature:	-25°F to +250°F
Pressure ports:	1/8" NPT, MS ports or as required
Switch selection:	SPDT, SPDT-NC or SPDT-NO
Electrical rating: (sea level)	28 vdc, 4 Amp. Res., 2.5 Amp. Ind. 115 VAC, 5 Amp Ind., or Res.
Electrical connection:	MS type receptacle or electrical wire leads
Wetted parts:	304 ST. ST. or 2024 Anodized Aluminum, 17-7 PH SS diaphragm or elastomeric compound (fluorosilicone) available as well
Life:	100,000 cycles typical
Weight:	4 oz. maximum

Data available upon request.



There's a Spectrum® pressure switch or instrument to fit your requirements.

For over 50 years, Spectrum has provided sophisticated components and controls designed to meet exacting standards for critical commercial, military, aerospace and nuclear applications.

COUNT ON SPECTRUM FOR:

- Advanced engineering and manufacturing capabilities
- Primary concern with customer satisfaction
- Sound manufacturing practices and rigid quality control
- Precision calibration & testing equipment

2300 SERIES Hydraulic Switch

Often used in aircraft hydraulic systems where reliability under extreme conditions is a must. This rugged model is sealed against harsh environmental conditions. Testing of production models has successfully exceeded one million cycles.



Set points: 400 - 3000 psi
Operating temperatures: -65°/+275°F
Proof pressure: 4500 psi
Burst pressure: 7500 psi

2335 SERIES Hydraulic Switch

This versatile pressure switch operates reliably as a precision control for a variety of media including air, gas, JP4 or JP5 fuel, and hydraulic oils. Constructed of stainless steel, this series has passed the FAA certified flame test of 2000°F.



Set points: 4 - 300 psi
Operating temperatures: up to +2000°F
Proof pressure: 1000 psi
Burst pressure: 2500 psi

2370 SERIES Economy Pressure Switch

Designed for economy while retaining aerospace durability, accuracy and repeatability, this compact 2 oz. switch is available with field adjustable controls.



Set points: 4 - 500 psi
Operating temperatures: -65°/+160°F
Proof pressure: 3000 psi
Burst pressure: 6000 psi

4300 SERIES Absolute Pressure Switch

The 4300 Series stainless steel absolute pressure switch is hermetically sealed for life, making it impervious to the environment. Cyclic testing has verified reliable performance for over 100,000 cycles.



Set points: 400 - 3000 psi
Operating temperatures: -65°/+275°F
Proof pressure: 4500 psi
Burst pressure: 7500 psi

5000 SERIES Wide Range Differential

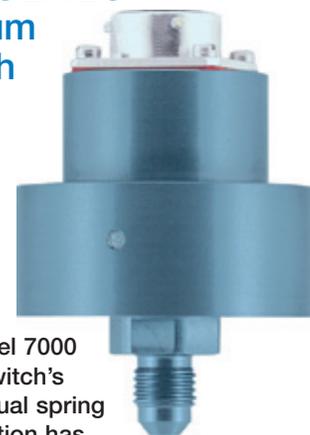
Adaptable to wide range of pressure applications, this series operates in MIL-spec environments. Special duo-differential available.



Set points: 2" H₂O - 60 psid
Operating temperatures: -25°/+275°F
Proof pressure: to customer specs
Burst pressure: to customer specs

7000 SERIES Vacuum Switch

The model 7000 Series switch's unique dual spring construction has proven reliable in both environmental and cyclic tests in excess of 100,000 cycles. Points are factory set to incorporate a wide range of vacuum and positive pressures.



Set points: Vacuum, 0 to 29" Hg
Positive pressure: 60+ psig