



Series 9000

Position Switch

Miniature Size/Environmentally Sealed

Series 9000 Position Switches retain all of the proven pressure switch design features (snap action, spring calibration, environmental sealing) while providing a hardened stainless steel shaft as the position sensor. Constructed of either stainless steel or anodized aluminum, these switches can be provided in a wide variety of envelopes with varying spring forces for each application.

Incorporating a sealed piston assembly, the Series 9000 Position Switches provide accurate dependable actuation under extreme conditions (shock/vibration/explosion proof).

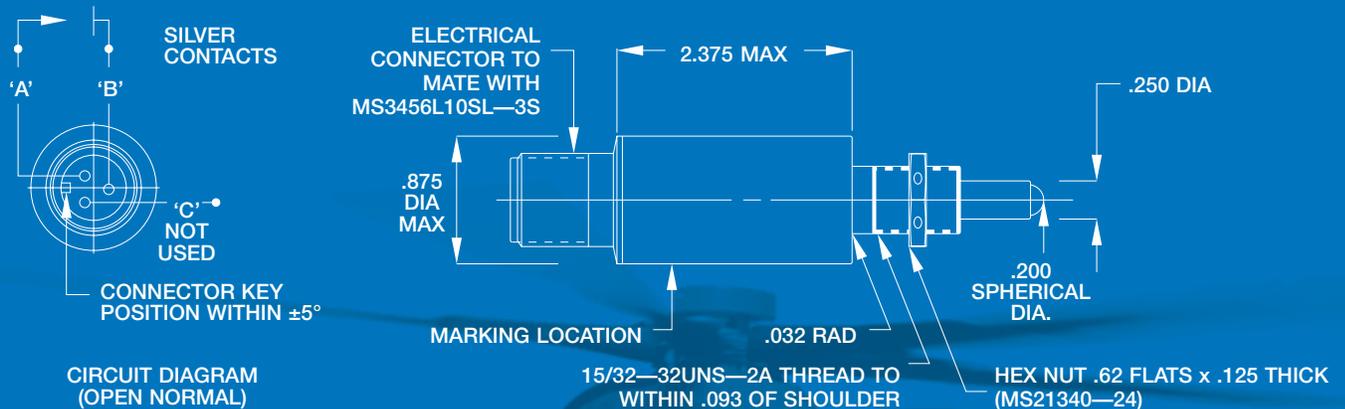
Position Switches can be provided not only with piston assemblies for in/out requirements (door closing, weight on wheels, blade fold, etc.) but also for side to side (equipment wear, cut of tolerance conditions) applications.

Units can be provided with wire leads or electrical connectors to specifications, with a wide range of spring forces available.

Series 9000 Specifications:

Actuator:	<i>Top plunger/pushbutton/side rotary</i>
Operating Force:	<i>1-10 lbs.</i>
Operating temperature:	<i>-65°F to 250°F</i>
Altitude:	<i>unlimited</i>
Switch selection:	<i>SPDT, DPDT</i>
Electrical rating: <i>(sea level)</i>	<i>28 VDC, 4 amp res, 2.5 amp ind. 115 VAC, 5 amp ind. or res.</i>
Electrical connection:	<i>MS type connector or electrical wire leads</i>
Wetted parts:	<i>304 ST.ST. or 2024 anodized aluminum</i>
Life:	<i>100,000 cycles typical</i>
Weight:	<i>4 oz. maximum</i>
Pre-travel/over-travel capability	
Typical applications:	<i>aerospace, off-road equipment machine tool, processing equipment</i>

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

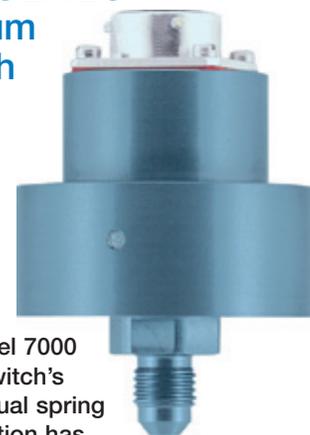
Adaptable to wide range of pressure applications, this series operates in MIL-spec environments. Special duo-differential available.



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