

# Mechanical Compact Switch



## SERIES 200

The versatile NOSHOK 200 Series Mechanical Pressure Switch is available in a variety of pressure ranges with an SPDT single changeover contact configuration. There is an external adjustment screw for on-site setting of the switch point. The 200 Series Mechanical Switch operates using a high quality diaphragm or piston element to open or close a micro switch. It is available in special versions with stainless steel or brass housing and gold contacts for low switching currents.

### FEATURES

- Excellent contact ratings
- Compact size
- External adjustment screw

### APPLICATIONS

- Hydraulic systems
- Industrial machinery or machine tools
- Pumps and compressors

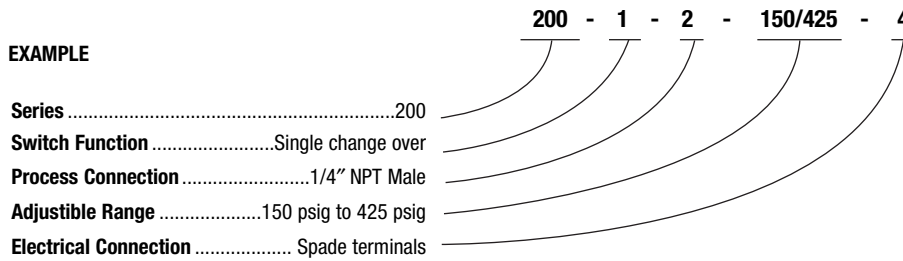
### SPECIFICATIONS

<b>Adjustment Ranges</b>	3 psig to 30 psig through 450 psig to 4600 psig	
<b>Measuring Element</b>	NBR diaphragm < 225 psig; Steel piston with NBR seal > 225 psig	
<b>Media</b>	Diaphragm type, compressed air or not corrosive liquids Piston type, self lubricating fluids such as hydraulic oil or grease	
<b>Process Connection</b>	1/4 " NPT standard, others available on request	
<b>Connection Material</b>	Zinc plated steel, optional stainless steel or brass	
<b>Case</b>	Zinc plated steel	
<b>Switching Function</b>	SPDT, micro switch with silver plated contacts, gold plated contacts available on request	
<b>Maximum Working Pressure</b>	Diaphragm Type: 870 psi; Piston Type: 5000 psi	
<b>Hysteresis</b>	Diaphragm type	≤ 10% of full scale adjustment range
	Piston type	Minimum 100 psig, Maximum 15% of full scale adjustment range
<b>Repeatability</b>	±2% of full scale adjustment range	
<b>Contact Rating</b>	up to 28 VDC	2 A
	up to 50 VAC	4 A
<b>Switch Frequency</b>	Max. 100 cycles/min	
<b>Temperature Ranges</b>	Storage	-4° F to 176° F (-20° C to 80° C)
	Media	-4° F to 176° F (-20° C to 80° C)
	Ambient	-4° F to 176° F (-20° C to 80° C)
<b>Electrical Connection</b>	6.3mm Spade terminals	
<b>Environmental Protection</b>	Spade Terminals	NEMA 0:IP00
	Cable Connection	NEMA 4X:IP67
<b>Weight</b>	Approximately 0.2 lbs	

Special Note: RoHS compliant

ORDERING INFORMATION				
<b>SERIES</b>	<b>200</b>			
<b>SWITCH FUNCTION</b>	<b>1</b> Single Changeover Contact (SPDT)			
<b>PROCESS CONNECTION</b>	<b>2</b> 1/4" NPT Male			
<b>ADJUSTABLE RANGE</b> <i>(Max. working Pressure)</i>	3 psig to 30 psig (870 psig)	<b>3/30</b>	150 psig to 1700 psig (5000 psig)	<b>150/1700</b>
	7 psig to 115 psig (870 psig)	<b>7/115</b>	150 psig to 2300 psig (5000 psig)	<b>150/2300</b>
	15 psig to 225 psig (870 psig)	<b>15/225</b>	300 psig to 2900 psig (5000 psig)	<b>300/2900</b>
	150 psig to 425 psig (5000 psig)	<b>150/425</b>	300 psig to 3600 psig (5000 psig)	<b>300/3600</b>
	150 psig to 1150 psig (5000 psig)	<b>150/1150</b>	450 psig to 4600 psig (5000 psig)	<b>450/4600</b>
<b>ELECTRICAL CONNECTION</b>	<b>4</b> 6.3mm Spade Terminals		<b>36</b> 24" Integral Cable	

Please consult your local NOSHOK Distributor or NOSHOK, Inc. for availability and delivery information.



**Outline Dimensions**



**Switching Output Schematic**

