



400 SERIES

- Switch adjustment ranges from 0 to 300 psig through 0 to 5,000 psig
- Standard zinc-plated Steel with NBR diaphragm (< 225 psig); Steel piston with NBR seal (> 225 psig) wetted parts
- SPDT snap-action micro switch
- CE compliant to suppress RFI, EMI and ESD

APPLICATIONS

- Hydraulics & pneumatics
- Mobile hydraulics
- Power generation
- Pumps & compressors
- Tank monitoring
- Water management

SPECIFICATIONS

Switching parameters	
Number	1
Function	SPDT snap-action micro switch
Contact rating	Up to 24 Vdc Max 3A Up to 250 Vac Max 6A
Non-repeatability	±2% of full scale of adjustment range
Contact material	Solid Silver, self-cleaning
Frequency	Max. 200 cycles/min.
Media	Diaphragm type, compressed air or non-corrosive liquids Piston type, self-lubricating fluids such as hydraulic oil or grease
Pressure ranges	
Pressure ranges	0 psig to 300 psig through 0 psig to 5,000 psig Adjustment knob from 3 psig to 4,600 psig dependent on full scale range
Switch adjustment	
Switch point	Full scale
Hysteresis	Diaphragm type, 1% to 11% of adjustment range full scale Piston type, 2% to 8% of adjustment range full scale
Service life	>1,000,000 load cycles
Temperature ranges	
Temperature ranges	Media -4 °F to 176 °F (-20 °C to 80 °C) Ambient -4 °F to 176 °F (-20 °C to 80 °C) Storage -13 °F to 185 °F (-25 °C to 85 °C)
Proof pressure	300 psi or 5,000 psi depending on adjustment range
Measuring element	
Measuring element	NBR diaphragm ≤ 230 psig Stainless Steel piston with NBR seal ≥ 500 psig 1/4" NPT and 7/16-20 SAE zinc-plated Steel connections standard, others available on request
Housing material	
Housing material	Zinc die-cast
Environmental rating	
Environmental rating	IP65 for Hirschmann IP67 for M12 x 1
Electromagnetic rating	
Electromagnetic rating	CE compliant to EU Standard 73/23/EWG RFI, EMI and ESD protection
Shock	30 g's according to IEC 60068-2-27
Vibration	10 g's according to IEC 60068-2-6
Weight	Approximately 0.66 lb.



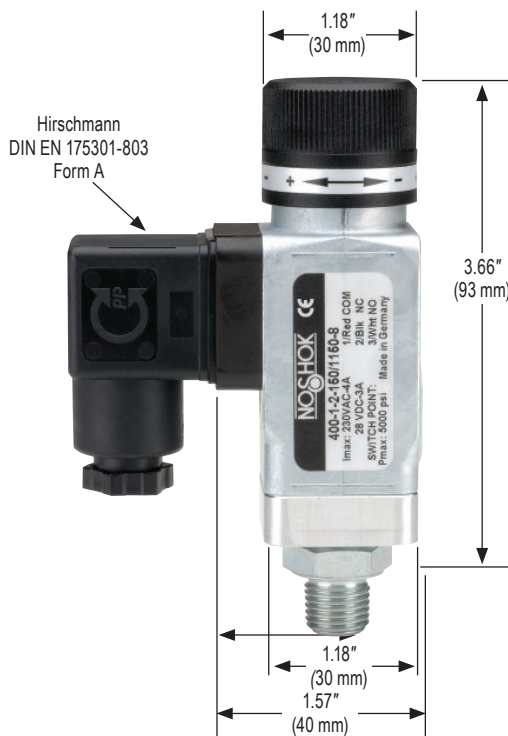
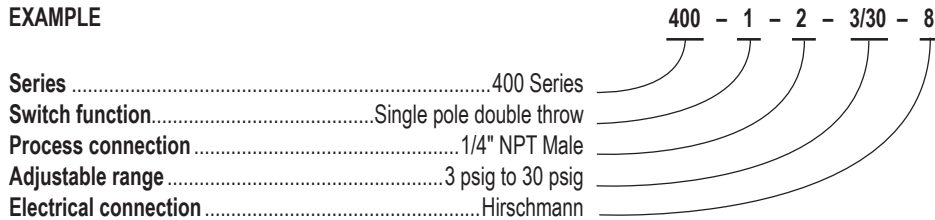
ORDERING INFORMATION			
SERIES	400		
SWITCH FUNCTION	1 Single Pole Double Throw (SPDT)		
PROCESS CONNECTIONS *	2 1/4" NPT male	19 G 1/4 B female	
	5 1/4" NPT female	45 SAE J514 FIG 34B	
	10 G 1/4 B male		
SWITCH ADJUSTMENT RANGES ** (Max. working pressure)	3/30 3 psig to 30 psig (300 psig)	150/1700 150 psig to 1,700 psig (5,000 psig)	
	7/115 7 psig to 115 psig (300 psig)	150/2300 150 psig to 2,300 psig (5,000 psig)	
	15/225 15 psig to 225 psig (300 psig)	300/2900 300 psig to 2,900 psig (5,000 psig)	
	150/425 150 psig to 425 psig (5,000 psig)	300/3600 300 psig to 3,600 psig (5,000 psig)	
	150/1150 150 psig to 1,150 psig (5,000 psig)	450/4600 450 psig to 4,600 psig (5,000 psig)	
ELECTRICAL CONNECTIONS	1 36" Cable (connected to option 8)	8 DIN EN 175301-803 Form A	
	2 M12 x 1 (4-pin)	46 Hirschmann with LED status indicator	

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

* Note: Stainless Steel connection available, consult factory

** Please specify switch set point(s), rising or falling pressing, and switch hysteresis (if applicable)

EXAMPLE



Switching Output Schematic

