



## 100 SERIES

- Switch adjustment ranges from vacuum through 6,000 psi depending on model
- 100V: Standard Brass with NBR diaphragm wetted parts, 100L: Standard Brass with Polyimide diaphragm wetted parts, 100H: Standard Zinc-nickel with NBR diaphragm wetted parts
- SPST creep action switch with Silver-plated contacts

### APPLICATIONS

- Hydraulics & pneumatics
- Pumps & compressors
- Tank monitoring
- Leak detection
- Water management

### SPECIFICATIONS

#### Switching parameters

Function	SPST N.O. or N.C. contact
Contact rating	100 VA Max Voltage 42 Vdc
Repeatability	See Chart on page 107
Hysteresis	<10% of setpoint
Contact material	Silver-plated, optional gold-plated
Frequency	Max. 60 cycles/min

Switch type	Creep action
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Pressure ranges	Vacuum through 6,000 psig
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Service life	>1,000,000 load cycles
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Temperature ranges	Media -13 °F to 185 °F (-25 °C to 85 °C) Ambient -13 °F to 185 °F (-25 °C to 85 °C) Storage -13 °F to 185 °F (-25 °C to 85 °C)
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Proof pressure	100V: 350 psi 100L: 500 psi 100H: 9,000 psi
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Measuring element	100V: Brass, NBR diaphragm 100L: Brass, Polyimide diaphragm 100H: Zinc-nickel plated Steel, NBR diaphragm
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Housing material	100V & 100L: Brass, optional Stainless Steel 100H: Zinc-nickel plated Steel, optional Stainless Steel
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Environmental rating	IP00 - Exposed Terminals IP69 - Flying Leads & Deutsch Integral
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Weight	Approximately 0.2 lb.
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**WARNING:** This product can expose you to chemicals including Lead and Nickel, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

ORDERING INFORMATION			
SERIES	100V	100 Vacuum Series	100H 100 High Pressure Series
	100L	100 Low Pressure Series	
SWITCH FUNCTIONS	1	SPST, Normally open	2 SPST, Normally closed
PROCESS CONNECTION	1	1/8" NPT male	31 9/16-18 SAE Male, Non-Adjustable
	2	1/4" NPT male	33 G 1/8B
	10	G 1/4B	45 7/16-20 SAE Male, Non-Adjustable
100V VACUUM PRESSURE SWITCH ADJUSTMENT RANGES (Max. working pressure)	3/25-vac	-3 inHg to -25 inHg (350 psig)	
100L LOW PRESSURE SWITCH ADJUSTMENT RANGES (Max. working pressure)	2/20	2 psig to 20 psig (350 psig)	
	15/100	15 psig to 100 psig (350 psig)	
100H HIGH PRESSURE SWITCH ADJUSTMENT RANGES (Max. working pressure)	2/30	2 psig to 30 psig (9,000 psig)	
	15/200	15 psig to 200 psig (9,000 psig)	
	125/600	125 psig to 600 psig (9,000 psig)	
ELECTRICAL CONNECTIONS†	4	Spade Terminals (1/4 x 1/32)	97 Weatherpack Tower, 2-Pin Male*
	66	Deutsch Integral 2-Pin (DT04-2P)	98 Weatherpack Shroud, 2-Pin Female*
	77	18" Flying Leads	99 Weatherpack Shroud, 2-Pin Male*
	78	6-32 Terminal Screws	100 Deutsch 2-Pin Male (DT04-2P)*
	96	Weatherpack Tower, 2-Pin Female*	103 Deutsch 2-Pin Female Socket (DT06-2S)*
OPTIONS**	AU	Gold Plated Contacts	SP Factory Adjusted Switch Point
	EP	EPDM Diaphragm (-10/250 °F)	SS 316 SS Wetted Materials
	HNBR	Low Temp Nitrile Diaphragm (-40/110 °F)	VT FKM Diaphragm (0/250 °F)

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

\* Options attached to Flying Leads

\*\* Not all options are available for all ranges, consult factory

† Other electrical connections available, consult factory

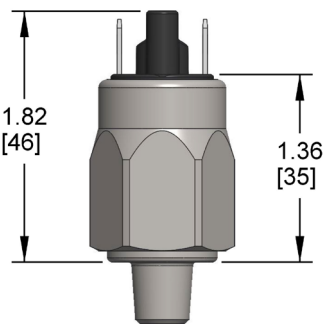
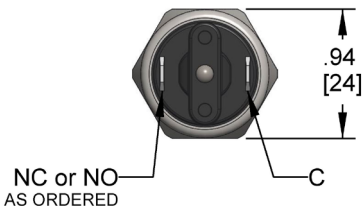
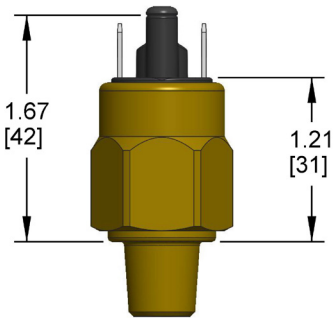
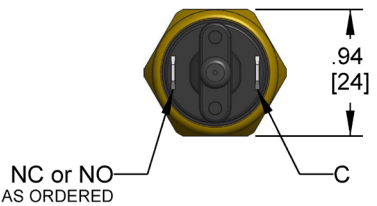
### EXAMPLE

	100H	-	2	-	1	-	2/30	-	4	-	AU
Series .....	100 High Pressure Series										
Switch function.....	SPST, normally closed										
Process connection .....	1/8" NPT Male										
Switch adjustment range.....	2 psig to 30 psig (9,000 psig)										
Electrical connection .....	Spade Terminals (1/4 x 1/32)										
Option.....	Gold plated contacts										

Series	Range	Repeatability
100V	3 - 25 inHg	1 psi or 5% of setpoint
100L	2 - 20 15 - 100 50 - 150	3% of full setpoint range
100H	2 - 30 15 - 200 125 - 600 300 - 2,500 500 - 3,500 3,000 - 6,000	3% of full setpoint range

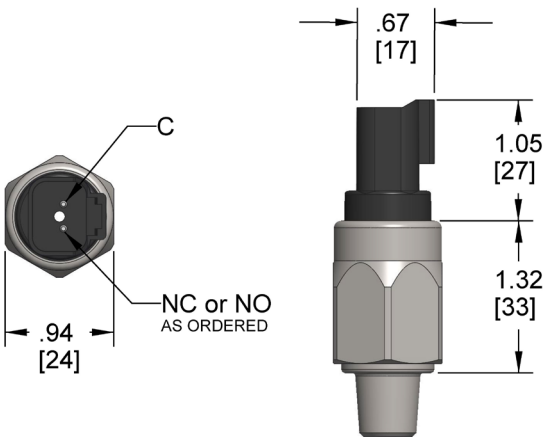
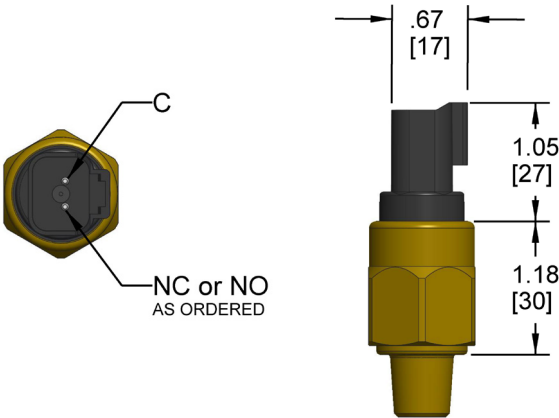
100V & 100L Spade Terminals

100H Spade Terminals

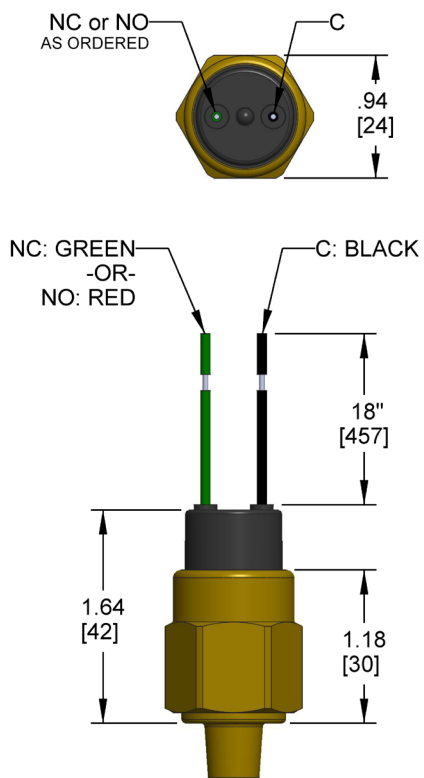


100V & 100L Deutsch 2-Pin

100H Deutsch 2-Pin



## 100V & 100L 18" Flying Leads



## 100H 18" Flying Leads

