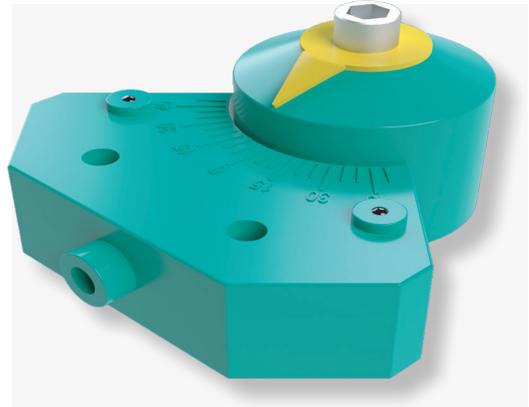


The *NEXUS-PS* is a low profile sensor that delivers valve position status in demanding environments (IP-67). The technology utilizes two reed devices that sense a magnetic target in the Open and Closed positions. The sensor element is SPST N.O. and the rotating component contains the magnetic target as well as a high visibility position indicator.

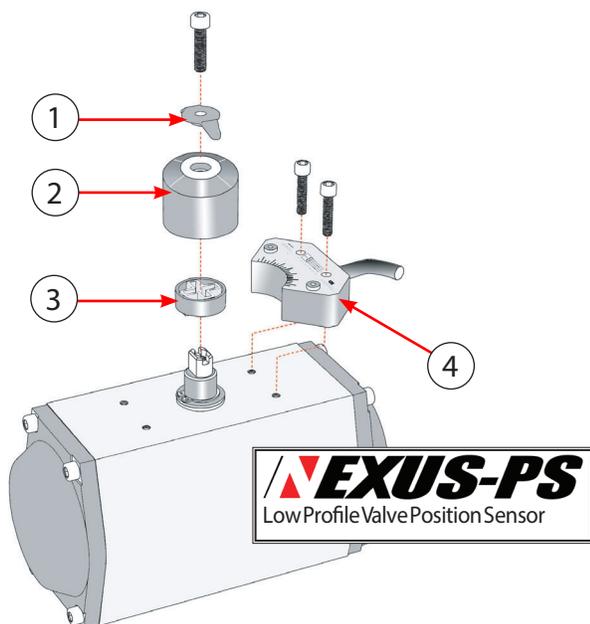
### NEXUS-PS DESIGN FEATURES

- ✓ Compact, Low-Profile Design
- ✓ Corrosion Resistant (non-metallic + stainless construction)
- ✓ Weather-proof to IP-67
- ✓ Hermetically sealed reed elements
- ✓ Handles both AC and DC current
- ✓ SPST N.O. contacts
- ✓ Simple mounting to NAMUR standards



### NEXUS-PS COMPONENTS

ITEM	DESCRIPTION
1	Position Indicator
2	Magnetic Target
3	Mounting Adaptor
4	NEXUS-PS Dual Sensor



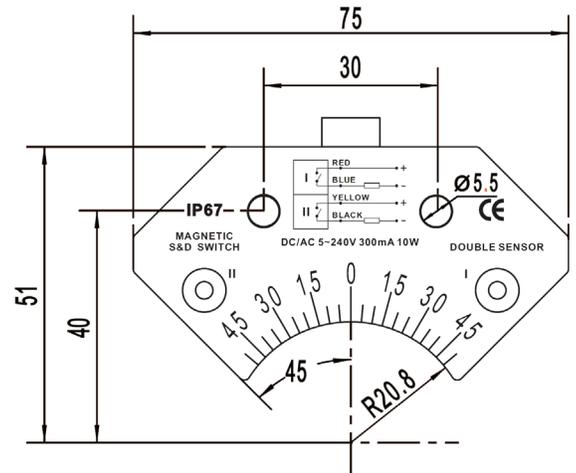
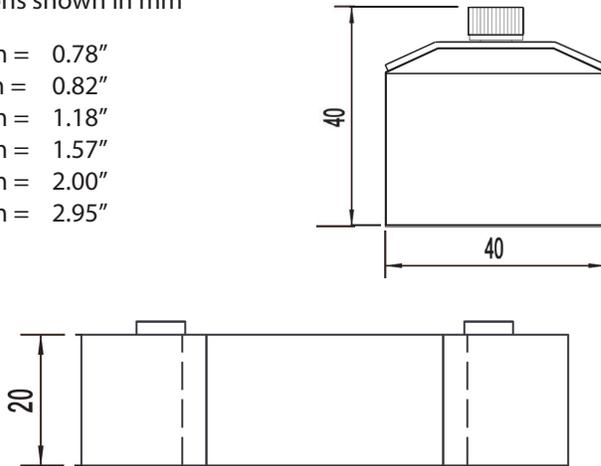
### SPECIFICATIONS

Temperature Range	-40°C ~ 85 °C   -40 °F ~ 185 °F
Sensor Type	Magnet
Rated Operating Distance	1~6 mm
Switching Element Function	N.O. (Optional N.C.)
Output Type	2-Wire
Switching Frequency	0~4.8 KHz
Position Indicator	0~90°
Travel Variance	+/- 5°
Working Voltage	5~240V AC/DC
Working Current	0~300mA
Rated Power	10W
Ingress Protection	IP67
Cable Length	24" (610mm)

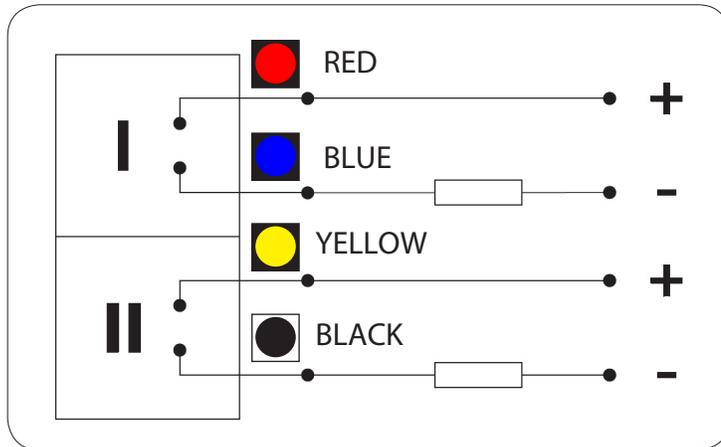
## NEXUS-PS DIMENSIONS

Dimensions shown in mm

- 20mm = 0.78"
- 20.8mm = 0.82"
- 30mm = 1.18"
- 40mm = 1.57"
- 51mm = 2.00"
- 75mm = 2.95"



## WIRING DIAGRAM

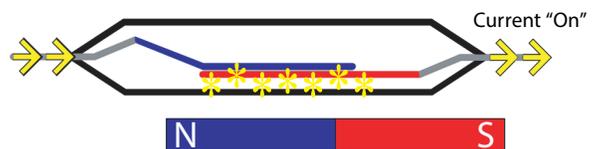


## ABOUT REED SWITCHES

A Reed Switch consists of two ferromagnetic blades (generally composed of iron and nickel) hermetically sealed in a glass tube. The blades overlap internally in the glass capsule with a gap between them, and make contact with each other when in the presence of a magnetic field.



1. "Normally Open" Reed Switch



2. Switch closes when magnet is near