

Series 1002A Electric Level Switch

A Reliable Float-Operated Device

Operates control equipment and performs a variety of electrical functions.



The Series 1002A offers a reliable, float-operated, high or low liquid level sensing device.

The Series 1002A is listed by the Canadian Standards Association as certified for hazardous locations, Class I, Group C & D. It can be used to sound alarms, operate control equipment, activate panel lights, or perform any other electrical function.

The Series 1002A will operate in liquids with a specific gravity of 0.6 or higher and pressures up to 3000 psi. The field replaceable switch capsule is rated for operation within -40 to 220° F.

Operation

The Series 1002A utilizes a magnetic proximity reed switch to open or close an electrical circuit. The reed switch is actuated by a permanent magnet. A stainless steel arm, containing the magnet, acts as a counterbalance for the float. As the liquid level varies, the float will position the magnet closer to or farther from the reed switch capsule. The operation of the reed switch available in the The Series 1002A is explained below.

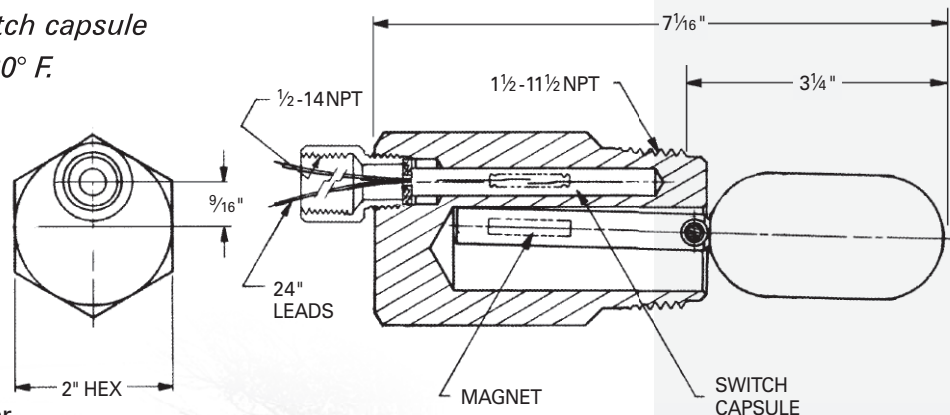
The Single Pole Single Throw Reed Switch is normally open. When the magnet is positioned in close proximity with the switch capsule, the contacts close.


Features

- 3000 psi working pressure
- Field replaceable switch capsule

Contents

- 1 Operation
- 2 Installation
- 3 Specifications
- 3 Model Code



 Approved for Hazardous Locations
® Class I, Group C&D
316 SST Hex Body

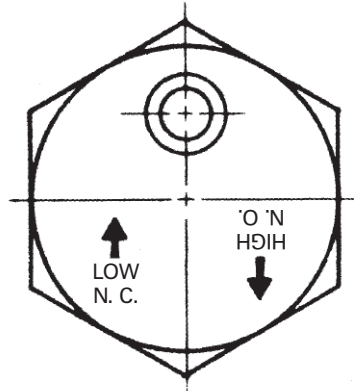
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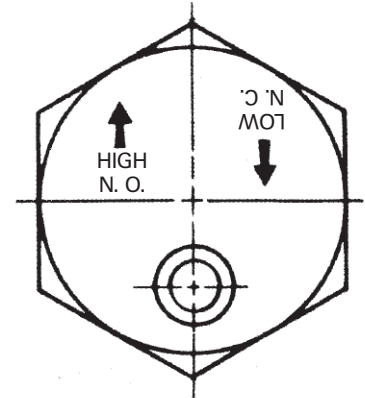
*Engineered
Performance*

Orientation

The Series 1002A may be mounted for either high or low alarm, normally closed or normally open by simply positioning the body. The hex body provides flat surface for easy wrenching during installation or positioning.

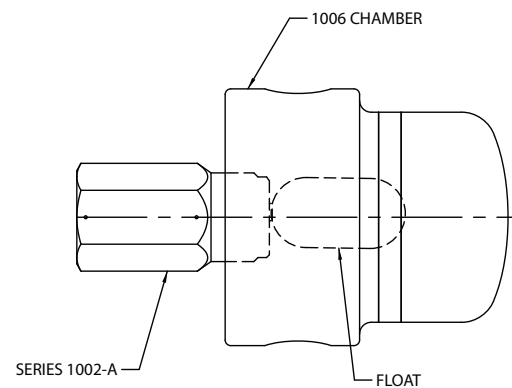
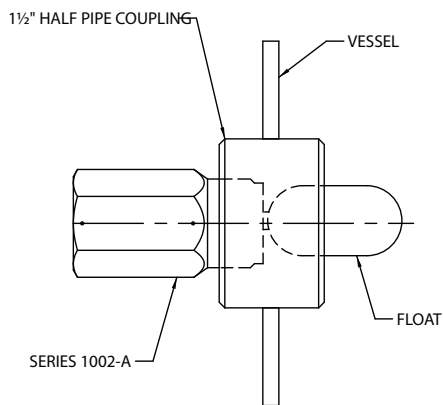


*Position Normally Closed
(Low Level Alarm)*



*Position Normally Opened
(High Level Alarm)*

Typical Installations



SERIES 1002A SPECIFICATIONS

Body	316 Stainless Steel		
Float	Material	Maximum Pressure	Maximum Temperature
	Polypropylene 316 Stainless Steel	3000 psi 1500 psi	140° F 220° F
Electrical	Maximum Volts	Maximum Amp	Maximum Switch Load (Resistive)
	Single Pole Single Throw	24 VDC 120 VAC	2.0 .25
			30 Watts 30 V. A.
Switch Operating Temperature Range: -40 to 220° F			

Model Code

How to Order

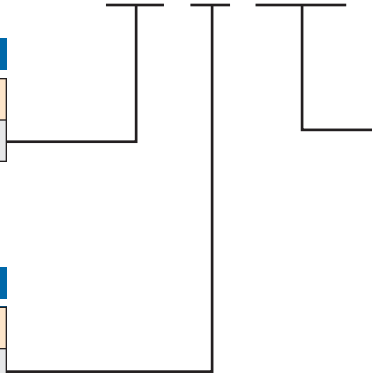
1. Specify Series 1002A
2. Select Model Number

1002A 316-14-SPST

BODY MATERIAL	
Type	Code
316 SST	316

FLOAT MATERIAL	
Type	Code
Polypropylene	14
316 SST	40

SWITCH TYPE	
Code	Type
SPST	Single Pole
	Single Throw



Why you can depend on genuine Norriseal products

- In-house engineering and technical support
- In-depth applications experience
- Award-winning innovation and ongoing product development
- ISO 9001-certified manufacturing
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Please contact your Norriseal representative for more details and assistance in specifying the optimal solution for your application.



Engineered Performance

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