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Installation Instructions

E24 **Horizontal Float Level Sensor**

Series	Mounting	HEX Size	Float Diameter
E24	1/2" NPT	15/16"	11/16"

Installation

Thread the sensor from the outside of the tank into 1/2" female NPT boss on vertical side of the tank. To ensure proper performance of the sensor, confirm the face of the nut with the arrows is vertical. The letters above the arrow indicate the orientation of the sensor.

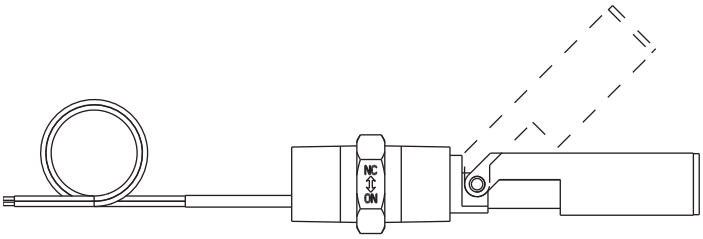
Thread Treatment

1. SEALING: Teflon tape or an appropriate thread sealant should be applied to prevent leakage.

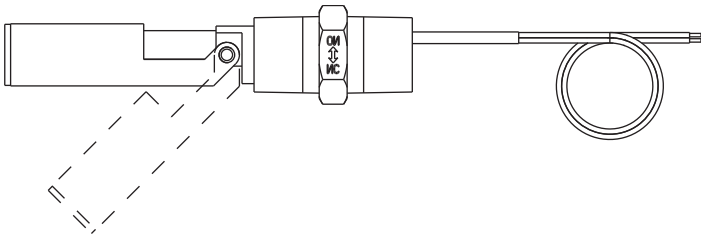
2. TIGHTENING: The installer should hand tighten the sensor, first. Then, with a suitable wrench, tighten the threads one to one and one-half additional turns. Over-torquing of the threads could result in damage to the sensor or the tank fitting.

Switch Actuation

Depending on the orientation of the float, it will lift or fall with fluid level. The engraving on the side of the nut shows the orientation of the float. If the N.C. arrow points upward the sensor is normally closed. The sensor can be rotated 180° to make the sensor normally open. The same applies if the N.O. arrow points upward.



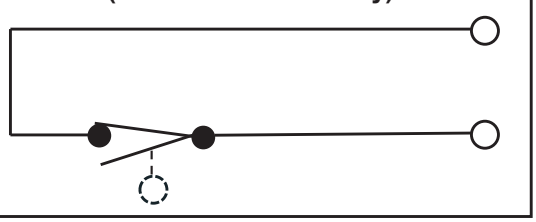
N.C.: When the switch is positioned so that the float rises with the fluid level, it is in the N.C. position (Normally Closed).



N.O.: When the switch is positioned so that the float falls with the fluid level, it is in the N.O. position (Normally Open).

Material Specs		Electrical Parameters		Operating Parameters	
Sensor Body	SUS304	Rated Power	10W	Max Shock	150g(1ms)
Float Ball	Polypropylene	Switching Voltage Max	200VDC / 140VAC	Max Vibration	20g(1-200HZ)
Wire	22AWG	Switching Current Max	1A	Ambient Temperature	-10°C~85°C
Filling	Epoxy Resin	Breakdown Voltage Min	250VDC	Humidity	90%RH(80°C)
		Contact Resistance Min	100m Ω	Anti-Water (Float Ball)	±3%(1000hr)

Typical Wiring Diagram
(Circuit Condition Dry)



WARRANTY

Buyers Products Co. warrants all truck/trailer hardware manufactured or distributed by it, to be free from defects in material and workmanship for a period of one year from date of shipment. Parts must be properly installed and used under normal conditions. Any product which has been altered, including modification, misuse, accident or lack of maintenance will not be considered under warranty. Normal wear is excluded. The sole responsibility of Buyers Products Co. under this warranty is limited to repairing or replacing any part or parts which are returned, prepaid, and are found to be defective by Buyers Products Co. Authorization from Buyers Products Co. must be obtained before returning any part. No charges for transportation or labor performed on Buyers' products will be allowed under this warranty.

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