LS-541

Liquid level float switch

Technical Overview

The **LS-541** is liquid level float switch which is intended to monitor liquid level in a tank or vessel, to provide a switched output to provide local alarm pump or valve control.
The differential between switching is equivalent to approximately 10/14mm.
The unit screws directly into a 1" BSPT boss.



Features

- IP65 Housing

Specification

Mounting	1" BSPT boss
Media	Non-aggressive fluids with specific gravity > 0.75
Operation	For high or low level
Switching differential	10/14mm
Working temperature	-40 to +85°C
Max. liquid temperature	85°C
Operating pressure	5bar max.
Materials:	
Float	Stainless steel
Rod	Brass
Bellows	Phosphor bronze
Enclosure	Galvanized steel sheet plate with ABS cover
Switch rating	15(8)A SPDT @ 230Vac
Protection	IP65
Country of origin	Italy

Product Codes

LS-541
Liquid level float switch

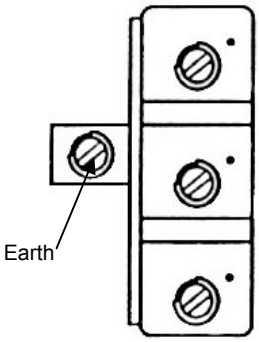
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Installation

1. The **LS-541**should only be installed by a competent, suitably trained technician, experienced in installation with hazardous voltages. (>50Vac & <1000Vac **or** >75Vdc & 1500Vdc)
2. Ensure that all power is disconnected before carrying out any work on the **LS-541**.
3. Maximum cable is 2.5mm², care must be taken not to over tighten terminals.
4. Before installation, test the float gently to ensure that the micro switch is operational.
5. Screw the **LS-541** into a 1" BSPT boss, (making sure that the arrow is pointing UP) away from system elements that may cause turbulence or vibration. Ensure that the float is not obstructed in its movement after installation.
6. If the switch is to be mounted outside, it is recommended that the unit be mounted with the cable entry at the bottom. If the cable is fed from above then into the cable gland at the bottom, it is recommended that a rain loop be placed in the cable before entry into the sensor.
7. Remove the front cover by removing the 4 screws and lifting the lid separating it from the main body.
8. Feed the cable through the waterproof gland and terminate the cores at the terminal block. Leaving some slack inside the unit, tighten the cable gland onto the cable to ensure water tightness.
9. Replace the lid and tighten the 4 screws after the electrical connections have been made.

Do not under any circumstances remove the protective cover without isolating the power to the switch.

Connections



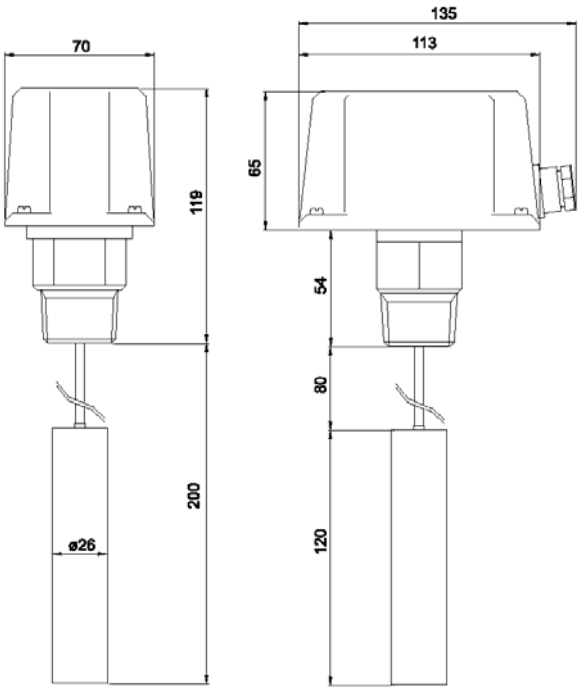
Red Common

Blue Opens on rise

White Closes on rise

The switching point is fixed and not adjustable.

Dimensions



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