AX-LS-TM Submersible Level Switches

Product Overview

The AX-LS-TM range of adjustable submersible level switches are suspended in the fluid to be monitored and are secured at the desired level by a cable gland in the cap or plug.

This range is constructed of nylon and buna making it the perfect solution for monitoring diesel tanks. They are available with either a 2" BSP brass cap, 1 1/4" plastic cap or 1" plastic cap. See order codes below for options.

2 cable ties are provided to be secured above the gland to prevent any slippage, if required.

Products Features

- Cost-effective solution
- Reversible switch contact

Product Specifications

Material:	Nylon and Buna
Contact Rating:	50W, 240Vac/200Vdc
Contact Form:	Reversible
Switching Current	0.5A
Max. Carry Current:	1A
Compatible Media:	Diesel
Lead Wire:	5m PVC cable (22AWG)
Max. Pressure	Atmospheric
Operating Temperature Range:	-20°C to 80°C
Country of Origin:	UK

Order codes

Part Number

AX-LS-TM	Top Mount Diesel Level Float Switch, Single, 5m cable, 1 1/4" plastic cap
AX-LS-TM-5B	Top Mount Diesel Level Float Switch, Single, 5m cable, 2" brass cap
AX-LS-TM-5P	Top Mount Diesel Level Float Switch, Single, 5m cable, 1" plastic cap
AX-LS-TM-5BD	Top Mount Diesel Level Float Switch, Two levels, 5m cable, 2" brass cap
AX-LS-TM-5BD3L	Top Mount Diesel Level Float Switch, Three levels, 5m cable, 2" brass cap
AX-LS-TM-5BD4L	Top Mount Diesel Level Float Switch, Four levels, 5m cable, 2" brass cap

*Custom cable lengths available upon request



- Suitable for submersing in diesel
- Single or Multiple switch models

Description

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Operation and Installation

Construction

1

2

3



Operation

The diesel level in the tank changes the position of the float along the stem. The float has a magnet that triggers the reed switch when it reaches a certain point. The switch can be open or closed by default, depending on how the float is oriented.

To reverse the contact form

- Remove the clip.
- Take out the float and put it back in with the opposite orientation.
- Secure the clip again.

Installation

Only a qualified individual should install this device, following the electrical requirements stated in the datasheet. Improper installation may result in damage .

To install the switch in the tank, follow these steps.

- Fill the tank with diesel until it reaches the desired level for detection.
- Insert the switch into the tank and secure it with the threaded cap on the top of the tank.
- Loosen the M12 cable gland on the switch assembly so that you can adjust the cable length.
- Move the cable up or down until the switch is activated by the liquid level.
- Tighten the M12 cable gland to fix the detection level.
- Repeat the above if there are more than one switch.



Figure 1

Dimensions



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