

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

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	Description
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

Operation and Installation

Construction

- ① Stem. It consists of a hermetically sealed magnetically activated reed switch. Made of Nylon.
- ② Float. Encases a sealed magnet which moves up and down depending on the diesel level. Made of Buna.
- ③ Retainer clip. Prevents the float from sliding out of the stem.
- ④ Weight. Made of HD Polyethylene.
- ⑤ M12 Compression gland. Used to fix detection level.
- ⑥ 22AWG 2 core PVC cable.5 meters.
- ⑦ Threaded cap. To fit the level switch on the tank. See order codes for material and thread size.

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.

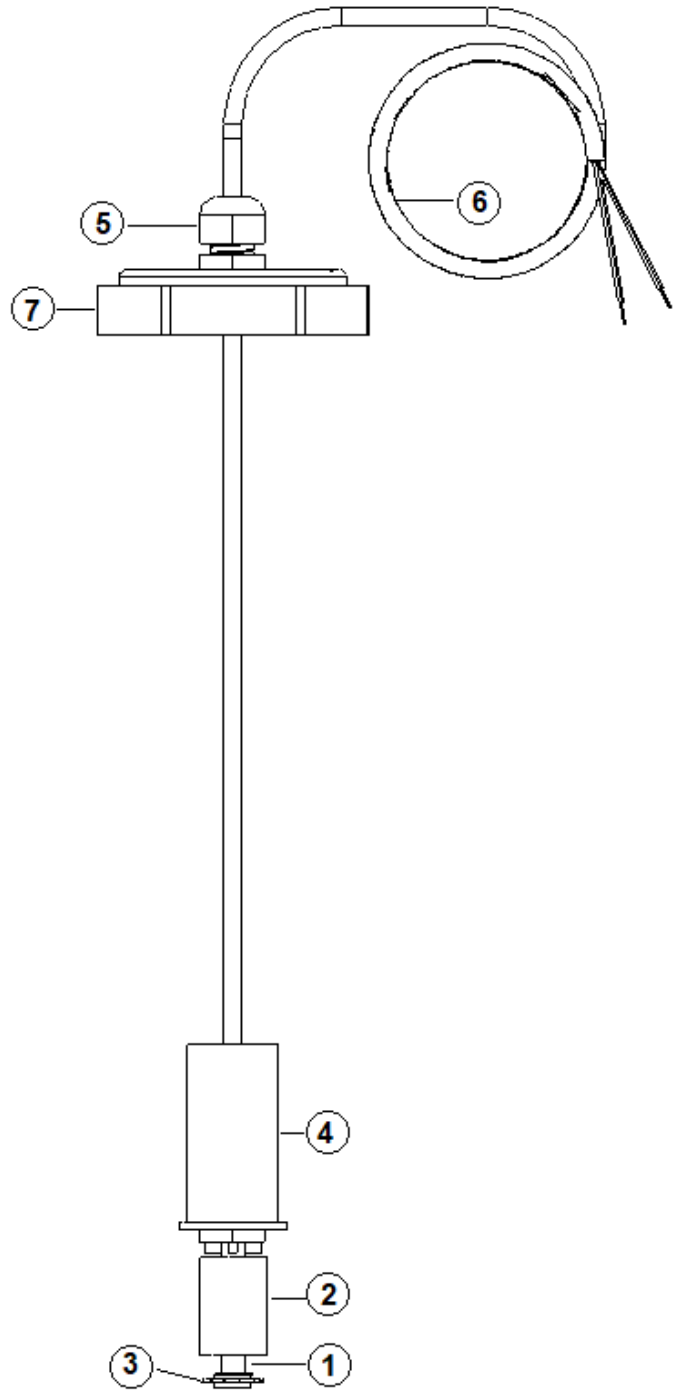


Figure 1

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