



Product Overview

The AX-LS-FL-C Float Switch is a control device for charging and discharging pumps and motor and magnetic valves. It is also an alarm device that alerts the user at specified surface levels. The unit consists of a float which is suspended from a weighted cable, as the liquid levels change, the float follows the surface level at the same time tilting due to its weighted restraint, inside the float are a number of microswitches which trigger as the float tips. Suitable for a wide range of non-flammable liquids.

Products Features

- Easy Installation
- Alarm, filling, emptying and combined variants
- 250 Volts Switching
- Standard 5m cable length (10m option)
- Suitable for a wide range of liquids
- 99mm Float Diameter

Product Specifications

Standard Cable Length:	5 Metre (Optional 10Meter & Other Lengths Available)
Standard Adjustment Range:	200 to 1200mm
Pressure Rating:	200 kPa
Switching Element:	Microswitch
Contact Ratings:	6A @6-250Vac
Maximum DC Power:	75 VA (=0,3A, 250V)
Materials:	Float: Polypropylene (PP) Cable: PVC Standard (Optional Rubber, TPU, Teflon, Silicone)
Buoyancy:	4 N
Protection Class:	IP67
Ambient Temperature Range:	0 to +55 Deg C
Max Diameter of Float:	99mm
Max Length of Float:	140mm
Country of Origin:	Finland

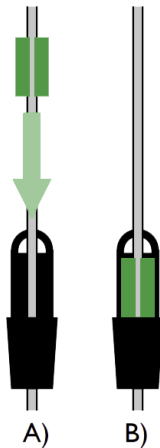
Product Order Codes

AX-LS-FL-1LC	Liquid Level Float Switch, Low level alarm-99mm
AX-LS-FL-1HC	Liquid Level Float Switch, High level alarm-99mm
AX-LS-FL-2LC	Liquid Level Float Switch, Filling pump control-99mm
AX-LS-FL-2HC	Liquid Level Float Switch, Emptying pump control-99mm
AX-LS-FL-2LHC	Liquid Level Float Switch, High & low level alarm-99mm

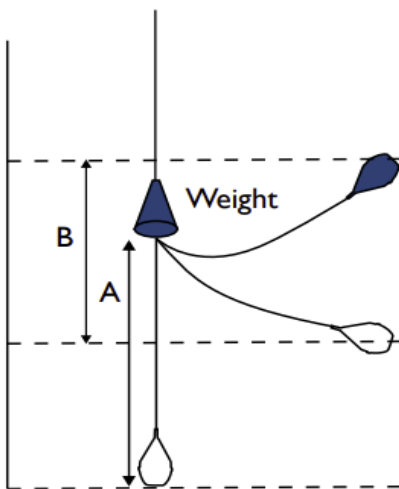
Installation

The AX-LS-FL-C series of float switches should be installed by a suitably qualified technician in accordance with any guidelines for the device and the equipment which it is to be connected to. Field wiring should be installed to satisfy the requirements set out by the manufacturer of the equipment being connected to. As a general rule screened cable should be used to connect signal to a BMS or other controller.

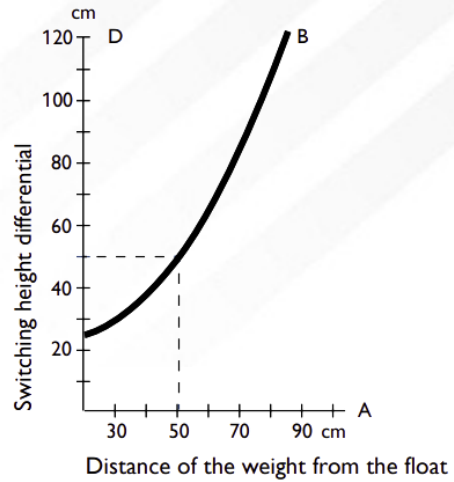
Ensure that all power is disconnected before carrying out any work on the float switches.



Cable weights and the hanging loop are fixed to the cable with a clamp wedge. The Float Switch is mounted to hang from its own cable. It floats on the surface of the liquid and follows the movement of the liquid's surface. Functions are controlled in the various tilt angles of the float. The switching distance differential is adjusted by moving the weight along the cable.

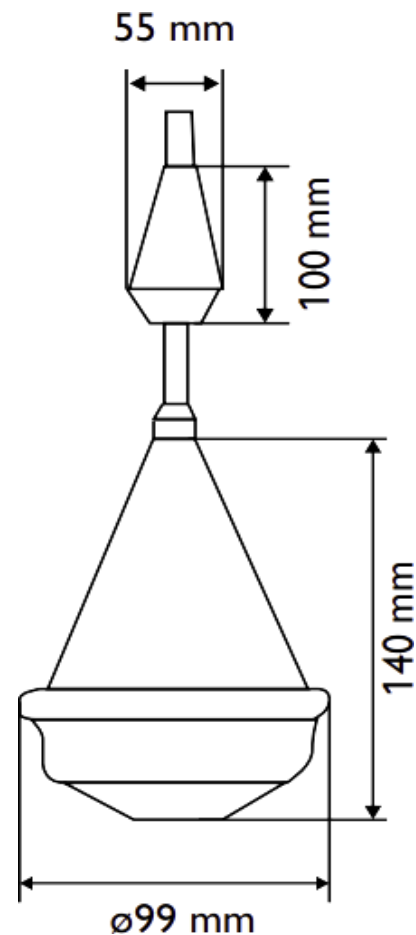


The height at which the float hangs and the distance of the cable weight from the float can be adjusted. The differential between the start and stop levels is at its lowest when the cable weight is about 10 cm from the tip of the float's strain-relief.



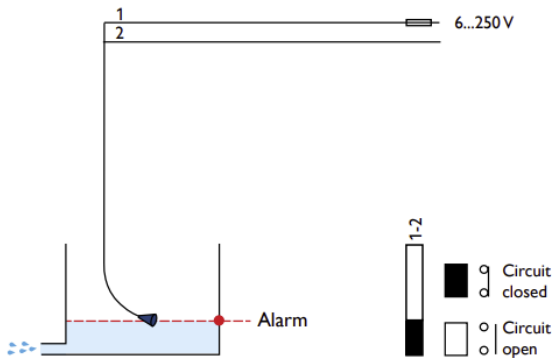
The switching height differential is adjusted to the required level by means of the cable weight. Curve B shows the start and stop-height differential of the Float Switch in relation to the distance of the weight from the float.

Dimensions

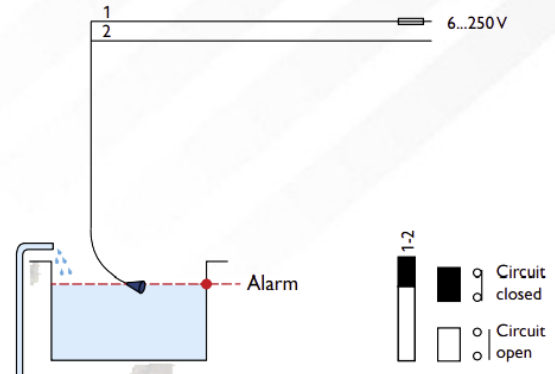


Connections

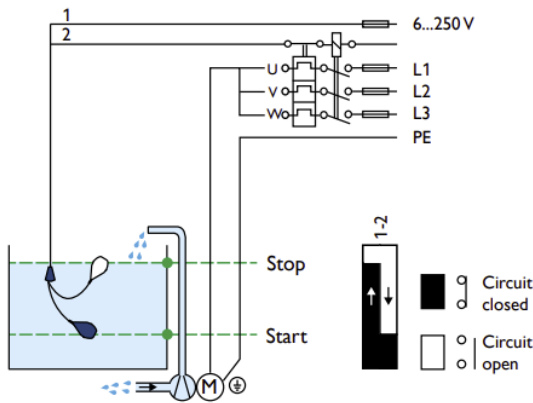
AX-LS-FL-1LC



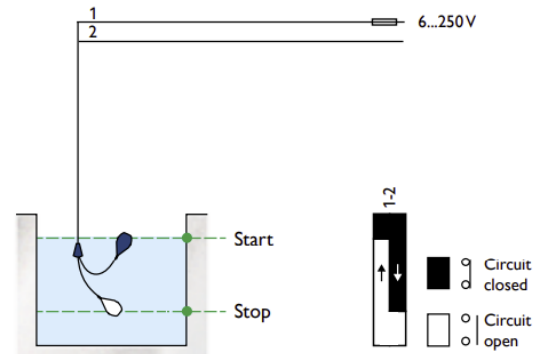
AX-LS-FL-1HC



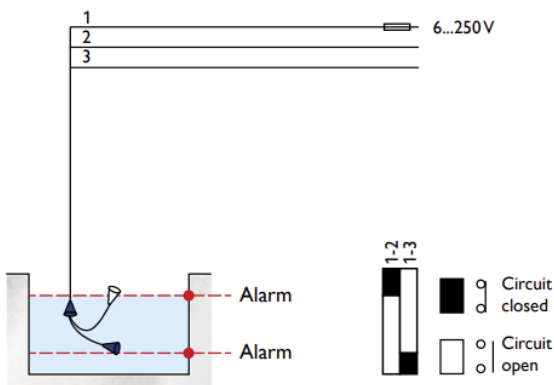
AX-LS-FL-2LC



AX-LS-FL-2HC



AX-LS-FL-2LHC



Datasheet Contents

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