

Liquid Level Float Switches

Features

- Ease of installation
- Many versions available



Specification

Switch rating	6A @ 6 - 250Vac (24V max. for flammable fluids)
Std. cable length	5m
Std. range of adjust.	250 to 1200mm
Materials:	
Float	Polypropen
Std. cable	PVC
Min fluid sp. gravity	0.7
Pressure rating	200Kpa max.
Ambient temperature	0 to +55°C
Country of origin	Finland

Product Codes

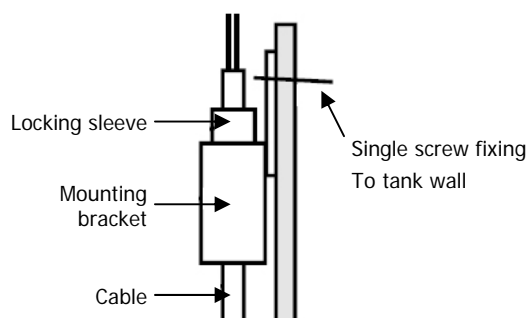
LS-FL-1H	High level alarm float switch
LS-FL-1L	Low level alarm float switch
LS-FL-2H	Emptying pump control float switch
LS-FL-2L	Filling pump control float switch
LS-FL-2LH	High & low level alarm float switch

Technical Overview

The LS-FL series of float type switches are suitable for multi-level applications where either access is only available from the top surface or where multiple level sensing is desired from a single penetration. Units consist of a float, which is suspended from a weighted cable. As the liquid level changes, the float follows the surface level, at the same time tilting due to its weighted restraint. Inside the float are a number of micro switches which trigger as the float tips.

Installation

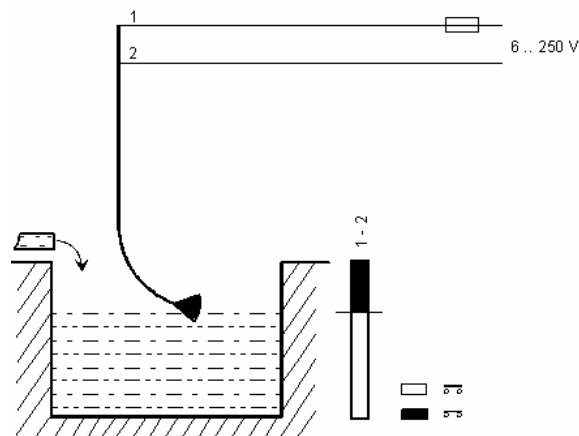
1. The LS-FL should only be installed by a competent, suitably trained technician, experienced in installation with hazardous voltages. (>50Vac & <1000Vac **or** >75Vdc & 1500Vdc)
2. Ensure that all power is disconnected before carrying out any work on the LS-FL.
3. The LS-FL-1L & LS-FL-1H are supplied with a two part mounting bracket so that the cable can be secured to the side of the tank at the top edge. This consists of a plastic tube with a single hole fixing bracket with a tubular plastic insert which slips inside 'lock' the cable in position once the desired mounting position has been finalised. Hang the float so that the lower face of the float is 12.5cms below the desired switching point. Note that no weight is required. The final adjustments may be needed under actual pumping conditions.



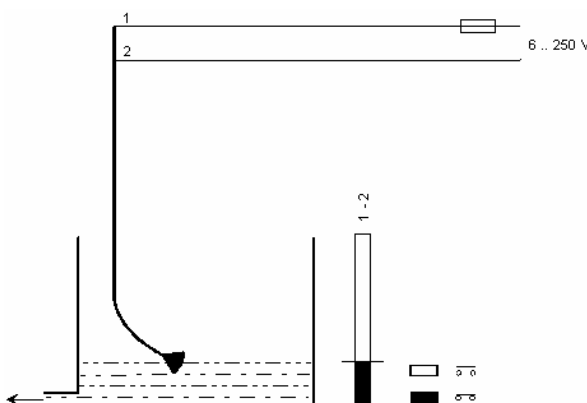
4. The remainder of the LS-FL range, are supplied with a weight. The switching height differential is adjusted by moving the weight along the cable. The differential is on minimum, when the weight is nearest to the float.

Connections

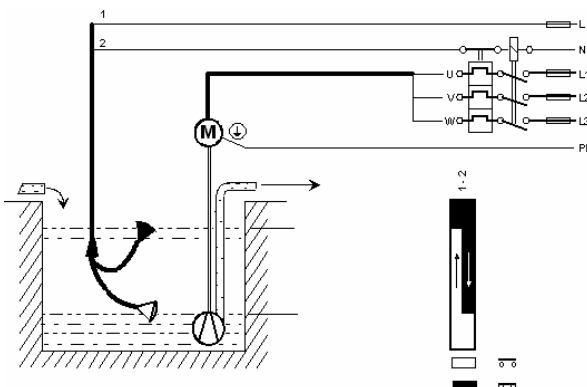
LS-FL-1H:



LS-FL-1L:

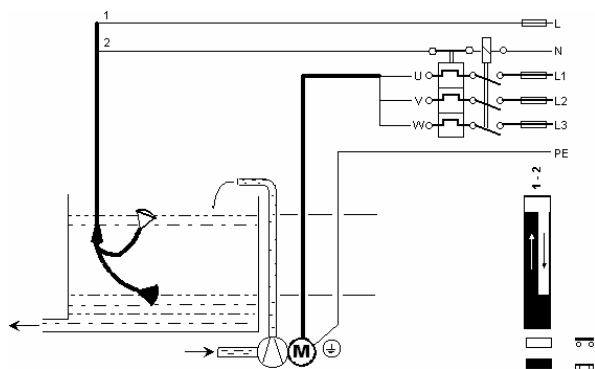


LS-FL-2H:

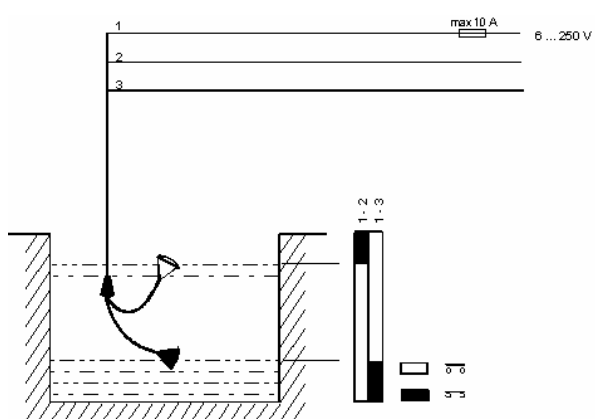


Connections (continued)

LS-FL-2L:



LS-FL-2LH:



Dimensions

