

# Sewage Float Switch

Float Switches are inexpensive and efficient liquid level detectors. They are simple to install, and designed for trouble free operation over a long life.

The LR08 is a plastic float switch using either a PVC or synthetic rubber 3 core cable. Actuation is via a roller ball and micro-switch arrangement within the switch thereby eliminating all heavy metals from this version.

## Construction

The unit comprises three major components:

1. The float chamber houses the micro-switch arrangement, totally sealed within a polypropylene casing, with a single pole double throw action.
2. The three-cored cable, connected to the micro-switch assembly inside the float chamber, is sheathed in CPE (chlorinated polyethylene) synthetic rubber or PVC. This cable is supplied in three standard lengths, 5 metres, 10 metres and 20 metres  $\pm 5\%$  of the length quoted.

## Mounting

Whilst no hard and fast rules apply to the mounting of these units, the lead should be supported in an enclosed vessel, and in an open vessel it is advantageous to clip the lead to the side, especially if excessive turbulence is experienced.

To obviate the effects of rapid switching conditions that would result if such turbulence is experienced, it is advantageous to use a maintaining circuit which both safeguards the micro-switch and cuts out any chatter in the starters of associated pumps etc.



**Contact rating:** 250V 15A, non-inductive.  
250V 10A, inductive. 1.3 HP

NOTE : Local regulations may limit the voltage.

**Max. temperature** 70° C  
**Max. submerged depth** 20 metres  
**Compressive Strength** 482 KN/m<sup>2</sup> (70 lbf/in<sup>2</sup>)

Operational in specific gravities from 0.8 to 1.3

## Chemical Resistance

Against	Rating
Lubricants	Fair
Diesel oil & petrol	Poor
Vegetable & animal fats	Good
Water Absorption	Good
Oxidation	Good
Ozone	Good
Sunlight	Good
Dilute Acids	Good
Alkalis	Good
Alcohols	Good
Salt water	Good