



TRITON CONTROLS - FLOAT SWITCHES

LR03 - LEVEL REGULATORS

Float Switches are inexpensive and efficient liquid level detectors, simple to install, designed for trouble free operation over a long life. The LR03 is a plastic float switch moulded to either a PVC or synthetic three core rubber cable. Actuation is via a roller ball and micro-switch arrangement within the float switch eliminating all heavy metals in other versions of float switch.

Construction

The unit comprises three major components :

1. 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 lengths, 5 metres, 10 metres and 20 metres $\pm 5\%$ of the length quoted. Although other lengths may be available on request.
2. The optional actuating weight may be fixed at any point on the cable using the two rubber O'rings supplied. The steel weight is sealed within a moulded poly-propylene housing.
3. The float chamber houses the micro-switch arrangement, totally sealed within a poly-propylene casing, with a single pole double throw action.

Mounting

There are no hard and fast rules applicable to mounting these units, however 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 of the starters of associated pumps etc.

Alternative cable lengths and actuating weight position can be produced to order.

