

ECONOMY FLO103 NON-MERCURY FLOAT SWITCH FOR GENERAL PURPOSE USE

Float Switches are economic and efficient liquid level sensors, simple to install, offering trouble free operation over a long life.

ECONOMY FLO103 is constructed from a polypropylene housing, moulded to a 3-core synthetic rubber cable, and contains an internal microswitch and rolling ball operator.

Applications

- Level control and regulation in a tank well or sump
- Pump, motor and actuator switching systems (indirect)
- Filling and emptying of tanks and chambers
- Level indication by telemetry systems
- Flow control in flow channels
- Level warning by initiation of high or low level alarms



CONFORMITY

CE Compliance

Low voltage directive

Other Conformity

The equipment has met the substance restrictions according to article 4 of the RoHS Directive

SPECIFICATION

Contact rating:

16A (Resistive) @ 250V 

4A (Inductive) @ 250V 

Frequency: 50/60Hz

Maximum temperature: 55°C

Maximum Pressure: 2 bar

Cable: 3-core x 1.0mm² H07 RNF RUBBER

Weight with cable:

10 metre: 1.25kg ±5%

20 metre: 2.25kg ±5%

30 metre: 3.25kg ±5%

40 metre: 4.25kg ±5%

50 metre: 5.25kg ±5%

Options

Part numbers for suitable counterweights for this products:

LT/FLOCW-1

LT/FLOCW-2

LT/FLOCW-3

LT/FLOCW-4

PROPERTIES

Dimensions

Dimensions of float switch:

103mm x 81mm excluding cable length

Dimensions of float switch packaging:

260mm x 260mm x 60mm up to 10m cable length

290mm x 290mm x 80mm up to 20m cable length

300mm x 300mm x 100mm up to 30m cable length

320mm x 320mm x 120mm up to 40m cable length

330mm x 330mm x 130mm up to 50m cable length

Please note packaging is not standard and therefore dimensions of packaged floats may vary slightly. The above dimensions are for guideline purposes only.

Construction

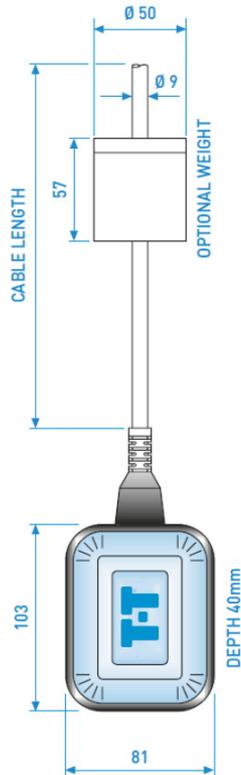
The unit comprises of the following components:

- The float chamber houses the microswitch arrangement with a single pole double throw action, totally sealed within a polypropylene casing.
- The 3-core rubber cable, is connected to the microswitch assembly inside the float chamber. This cable is supplied in standard lengths of 10 metres up to 50 metres.

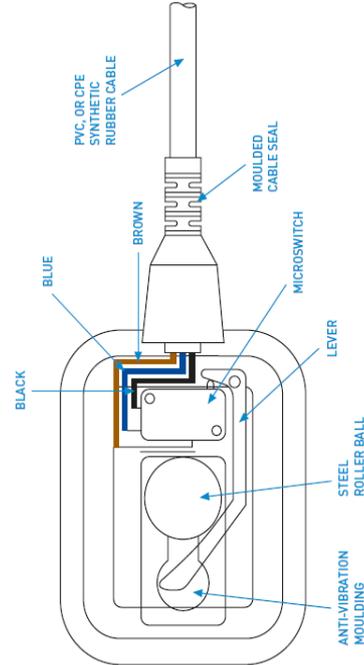
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OPERATION

Method of operation

Switching is by internal ball-operated microswitch which changes contacts according to the attitude of the float.

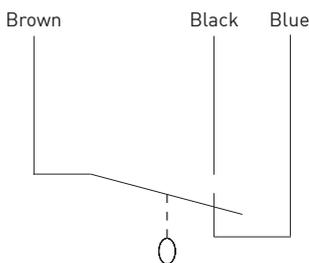
Please note:

- It is recommended that the float switch is connected to a low voltage power source
- Product should be installed by a competent and qualified person with suitable electrical protection
- Please refer to the operating manual for specific requirements.

Mounting and operational instructions

- Please refer to ECONOMY FLO103 operating instructions DATA612
- For further information and guidance regarding suitable applications please contact our sales office

Cable colours and functions



Connections (for a pumping application):

For emptying and for high level alarm use brown and black cable cores - the contact closes when up, opens when down.

For filling and for low level alarm - use brown and blue cable cores - the contact closes when down, opens when up.

For independent alarm operation a separate float would be required.