



# FL0107

Non-Mercury Float Switch  
For Use in Potable Water



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

FL0107 is constructed in WRAS approved materials and comprise a polypropylene housing mould to a 3 core EPDM cable and contains an internal microswitch and rolling ball operator.

### Applications

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




### Conformity

Low Voltage Directive

### Other Conformity

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

### Specifications:

Contact rating:  
16A (Resistive) @ 250V   
4A (Inductive) @ 250V   
0.3A (Resistive) @ 250V   
Frequency: 50/60Hz  
Maximum Temperature: 23°C  
Maximum Pressure: 5 bar  
Cable: 3-core x 0.75mm<sup>2</sup> light blue EPDM WRAS approved cable  
Weight of Float with cable:  
10 metre 1.15 kg ±5%  
20 metre 2.05 kg ±5%  
30 metre 2.95 kg ±5%  
40 metre 3.85 kg ±5%  
Material polypropylene body and over mould  
WRAS approved materials

### Dimensions

Dimensions of float switch:  
179mm x 85mm excluding cable length  
Dimensions of float switch packaging:  
300mm x 300mm x 100mm up to 20m cable length  
300mm x 300mm x 200mm up to 40m cable length

### 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 operating manual for specific requirements



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### Construction

The unit comprises of the following components:

- The float chamber houses the microswitch arrangement with a single pole double throw action, sealed within a light blue BS4800 20C33 polypropylene shell and overmould, providing suitability for a wide variety of liquids.
- The three-core cable, connected to the microswitch assembly inside the float chamber, is sheathed in ethylene propylene rubber insulated. This cable is supplied standard lengths of 10 metres up to 40 metres.

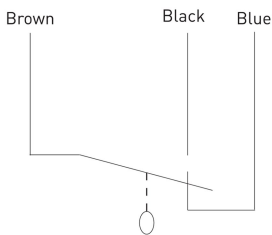
### Mounting and operational instructions

- Please refer to FL0107 operating instructions DATA1675: 10/2015
- For further information and guidance regarding suitable applications please contact our sales office

### Options

Part numbers for suitable counterweights for this product:  
LT/FL07-CW

### 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.

### Components

