

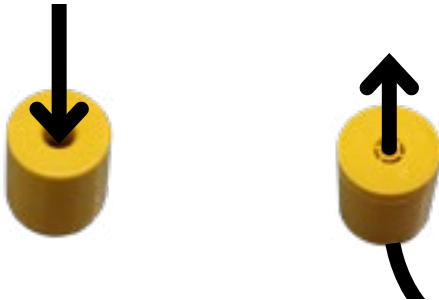
The KFL Float Switches are a type of volt-free level detector that utilise a float head sensor. These are designed to monitor liquid levels and trigger designated functions when a specific level is reached. Possible functions can include pump control and alarm activation, depending on the electrical system it is partnered with.

Technical data

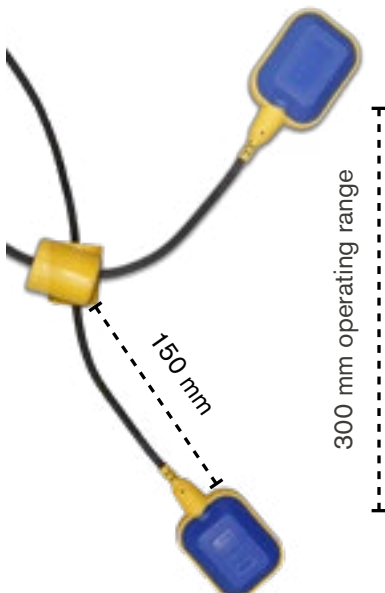
Voltage	AC 125V/250V
Max. starting current	16 A
Max. running current	4 A
Frequency	50-60 Hz
Max. operating temperature	50 °C
Protection grade	IP68
Cable length	15/20/50 m

Installation

1. Fix the counterweight on the power cable to control water level. Feed cable through weight, plastic ring will snap off. Push ring into weight to tighten.



2. Ensure the counterweight is set at an appropriate distance for desired operating range (e.g. 150 mm from the float head, which achieves 300 mm operating range).



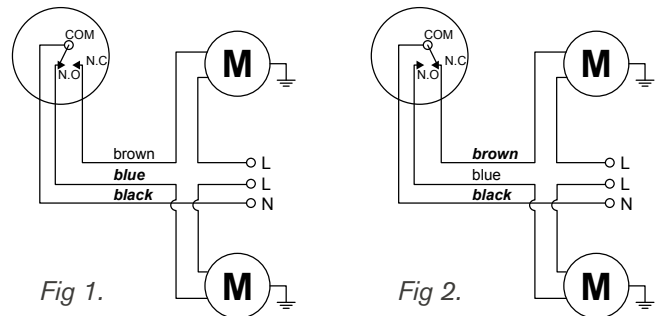
3. Terminate the electrical cable into your controller (controller supplied by others) and then set float inside the water tank at an appropriate level (1). Coil extra cable neatly and securely with a snap tie.



Terminating cables in the controller:

For signal **activation** when float head is elevated, connect the blue and black wires to the appropriate terminals and insulate the brown wire. For applications such as high level alarm or tank empty operation with a pump (Fig 1).

For signal **activation** when float head is lowered, connect the brown and black wires to the appropriate terminals and insulate the blue wire. For applications such as low level alarm or tank fill operation with a pump (Fig 2).



Warning

1. The power supply cable is an integral part of the device. Should the cable be found to be damaged the device is to be replaced. Repairs to the cable itself are not possible.
2. The cable terminal must never be immersed in water.
3. The wire that is not used must be correctly insulated.

Warranty statement

For any defects caused by mal-manufacture, the user can return the device to the manufacturer for repair or replacement within 6 months from factory delivery. This warranty does not apply to any defects caused by misuse or improper storage.

