Ozmosis

This float is used as a switch in a normally open or normally closed operation to control a load. Common applications are to turn on a pump to fill a tank, turn off a pump when the water level is low, or sound an alarm for high or low water levels.

1. TECHNICAL DATA:

* Rated Voltage: AC 125V/250V
* Max Current: 16(8)A
* Frequency: 50-60 Hz
* Max. Operating Temperature: 55C
* Protection Grade: Ip68

2. INSTALLATION INSTRUCTIONS:

1) Fix the counterweight on the power cable to control water level (if supplied). Or tether the float to another object or pipe, with a zip tie or clamp.
1) Connect the electrical cable to the pump or device you wish to control.
2) The tether length of the cable section between the fixed point of the device and the device body determines the water level.
3) The terminal of the electrical cable should never be immersed into water during installation .

3. INSTRUCTIONS FOR USAGE:

(1) Instructions for water filling operation:

Fig. 1

Fig. 2

Fig. 3
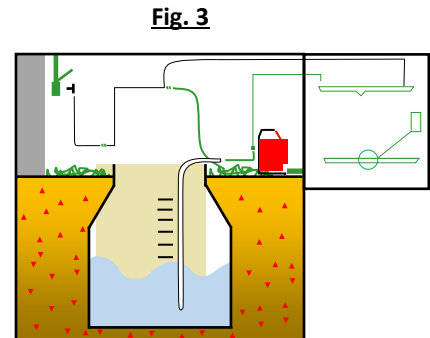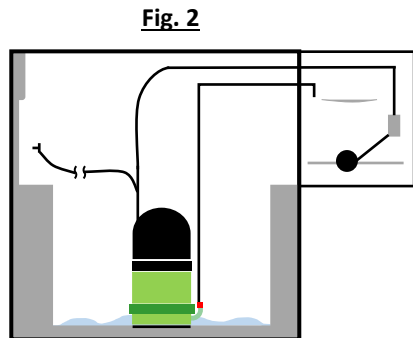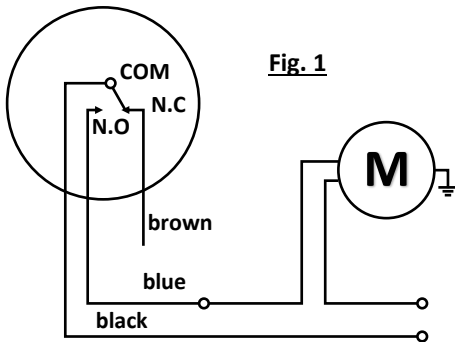
Connect the blue cable of the float switch to the pump motor (load) and the black cable to a neutral wire as showing in **Figure 1** for water filling operation. (The brown cable should be kept insulated, capped with a wire nut). For detailed instructions, please refer to Figure 2 and 3.

Figures 2 & 3: Pump turns on and begins to fill the tank when the water drops to a certain level. Pump stops working when water rises to a certain level.
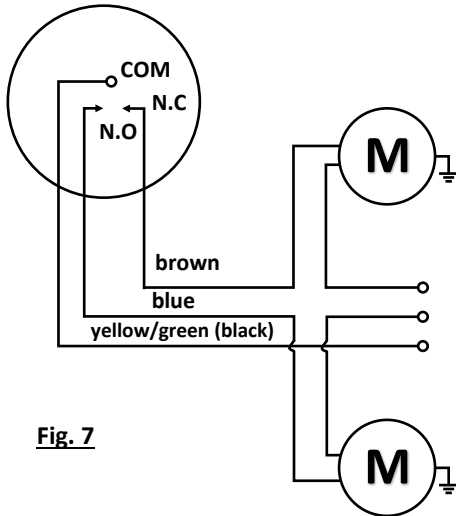
(2) Instructions for water emptying operation:

Fig. 4

Fig. 5

Fig. 6
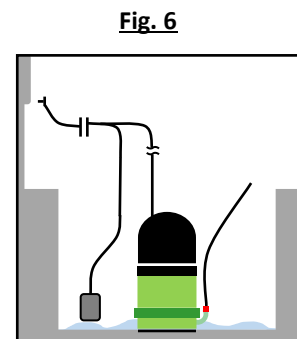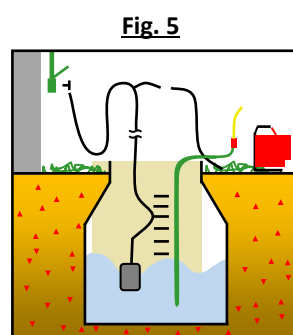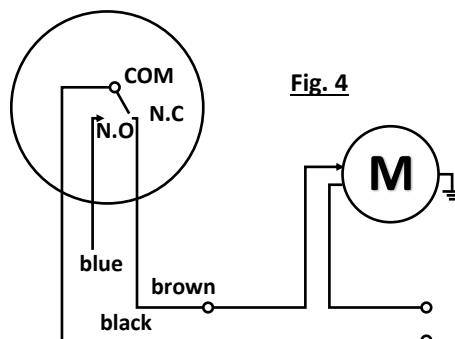
Connect the brown cable to the water pump and the black one to a neutral wire as shown in **Figure 4** for water emptying operation or pump safety protection. (The blue cable should be kept insulated, capped with a wire nut). For detailed instructions, please refer to figure 5 and 6.

Figures 5 & 6: Electrical pump stops when the water level in the tank drops to a certain level and starts to empty water again when the water level increases.

4. INSTRUCTION FOR AUTO-FILLING & AUTO-EMPTYING

Fig. 7

Figure 7: Shows the auto-switch between filling and emptying water. This is an extension of the two basic functions explained before. Please refer to **(3.) Instructions for usage** for details.

5. GUIDE FOR COUNTERWEIGHT INSTALLATION:

Figure 8: Remove the plastic ring off the counter-weight before installation and fix the ring at the desired spot on the cable. Then insert the cable into the counterweight and fix it with moderate pressure at the fixing end.

Fig. 8
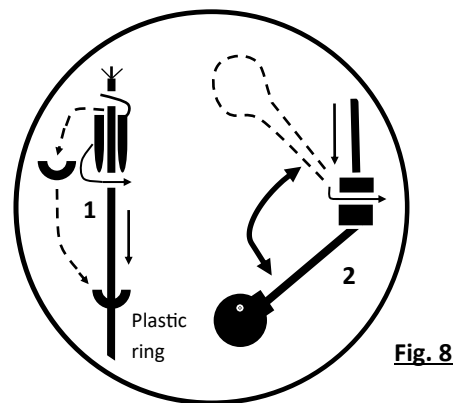
6. WARNING

(1) The power supply cable is an integrate part of the float. Should the cable be found to be damaged, the device must be replaced. Repairs to the cable itself are not possible.

(2) The cable terminal must be never immersed in water.

(3) The cable that is not used must be correctly insulated and capped off with a wire nut.

(4) The electrical pump (or load) must be grounded to avoid risk of shock or death.

7. WARRANTY STATEMENT:

For any factory defects, the user can return the device to the manufacturer for repair or replacement within 6 months of purchase. This warranty does not apply to any defects caused by misuse and improper storage. Please register your product at the time of purchase to ensure your warranty with be honored and keep your receipt! Scan the QR code below!
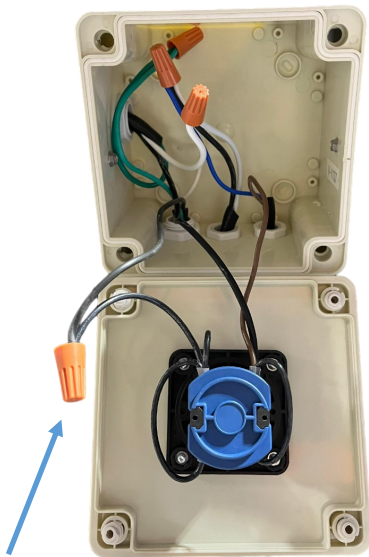
How to Wire-In Floats to RO:

*If using this weight, you may start by threading the cable through the float weight. Thread the weight on and push it into the yellow clip or use a zip tie to secure it.

1. Open RO electrical box with a flat-head screwdriver. Look for the two black wires capped off together.

2. The float has three wires coming out one end. Brown will be capped off with a wire nut (this would be used with a safety float).
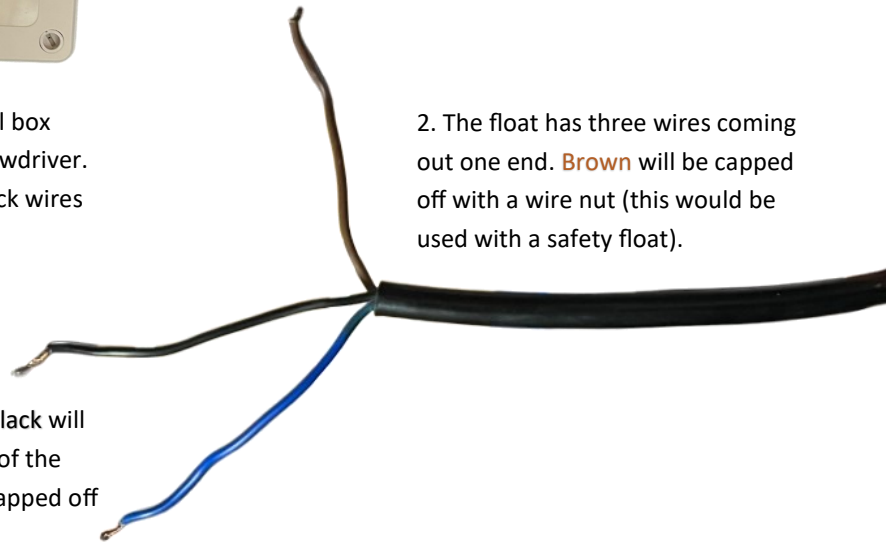
3. The blue and the black will each connect to one of the two black RO wires capped off together.

4. Installation completed. Close the electrical box back up, and it is ready!