OPERATION MANUAL

HL-233

LEVEL CONTROLLER

Technical Specification

Power Supply: AC 220V 50Hz

Environment: Temperature: 0 ~ 50℃, Humidity < 95%

Power Consumption: 2 watts

Dimensions:150mm × 85mm × 42mm

Weight: 690g

Front Panel Description

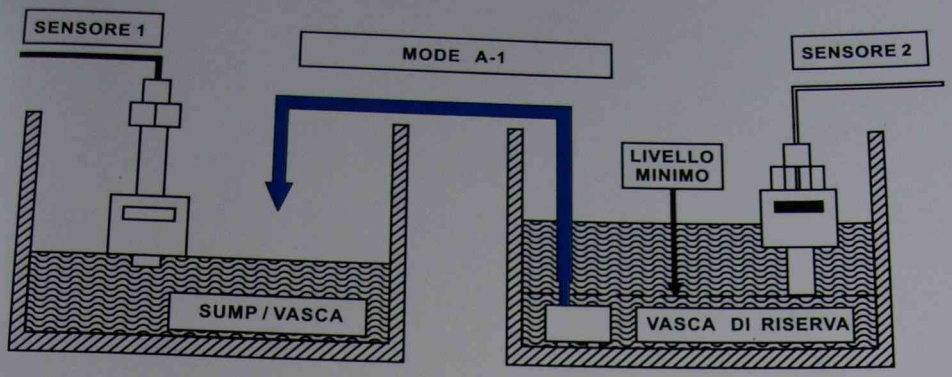
- 1.Indicator of power in action
- 2.Indicator of output in action
- 3.Indicator of sensor 1
- 4.Indicator of sensor 2
- 5.Function switch
- 6.Sensor1 input terminal
- 7.Sensor2 input terminal
- 8.Control output power socket

Operating Information

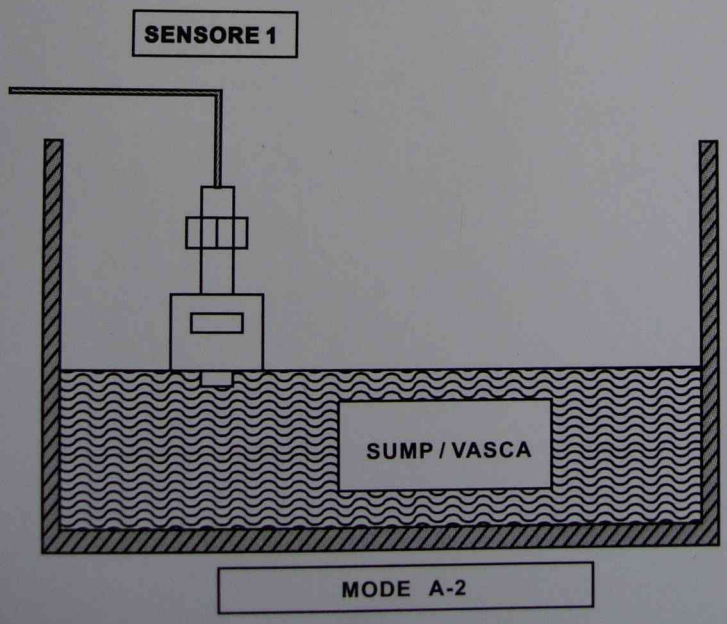
The electronic level controller with 2 sensors will automate aquarium water top off. Since safety is our number one concern, we include two float switch sensors with our electronic water level controller.
The first float switch sensor triggers the feed pump (sold separately) to maintain the desire water level. The second float switch sensor ensures dependability and offers overflow protection. Our water level controller can also be used to protect pump from running dry.

It can be utilized in three ways :

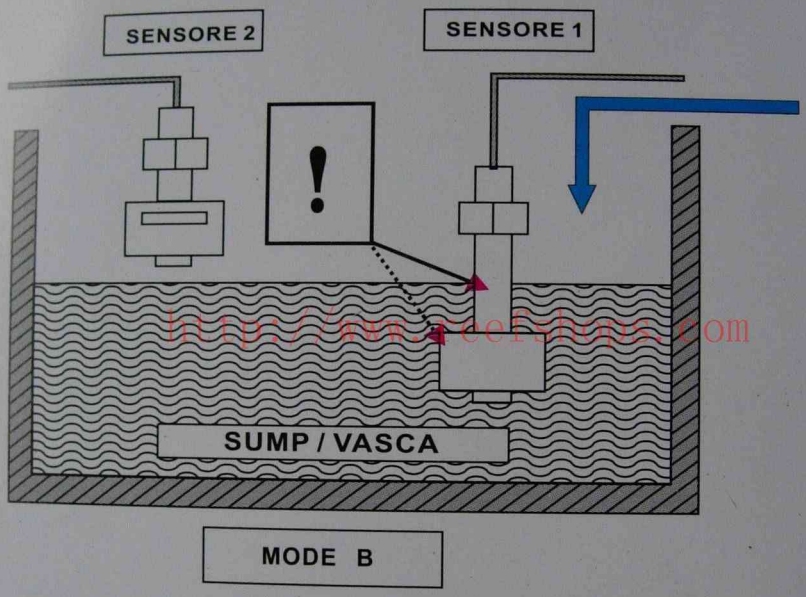
1.Connecting AC power supply and sensor. Slide the Function switch to 'A' position. Immerse the sensor1 in the measured solution(sump), immerse the sensor2 in the waterworks. In this mode the power supply will turn on if the water level in the sump is low AND there is enough water in the storage tank. The power supply will turn off if the water level in the sump is high AND there is not enough water in the storage tank. (View Operation diagram, MODE A–1)



With this set up the power supply will turn on as soon as the water level in the sump drops below the set level. The power supply will turn off if the water level in the sump is high the set level. (View Operation diagram, MODE A–2)

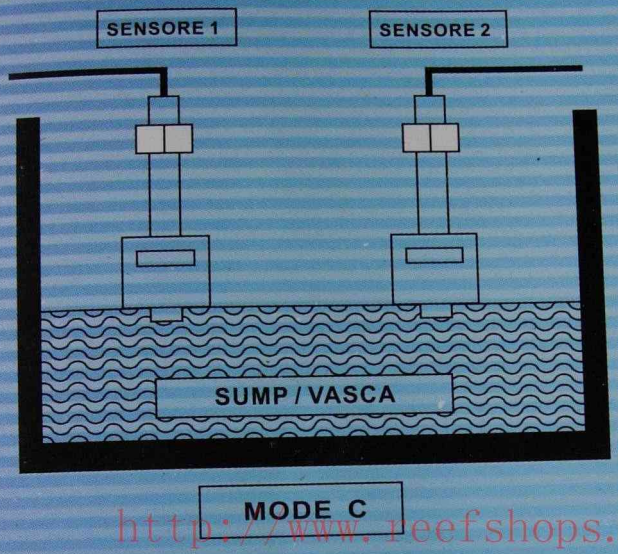


2.Slide the Function switch to 'B' position.
Immerse the sensor1 and sensor2 in the measured solution(sump). The power supply will turn off when the water level in the sump is low both sensors. The power supply will turn on when the water level in the sump is high the sensor1 or sensor2.It can be protected the sensor for this function.
(view Operation diagram, MODE B)



3.Slide the Function switch to 'C' position.
Immerse the sensor1 and sensor2 in the measured solution(sump).With this set up the power supply will turn on when both sensors detected that the water

level is below the minimum level and stop only when the water rises the maximum levell of both sensor.
(View Operation diagram, MODE C)



MODE C