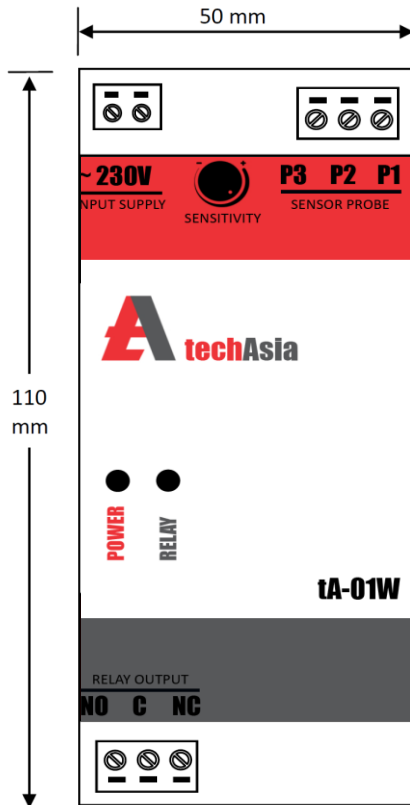


## tA-WLC1

### INTRODUCTION:

Water level controller is a device operating on electrical conductivity principle of water. Controlling the pump operation automatically at two desired Water Levels in either the overboard tank or underground water tank/bore well.



### SELECTION OF LOGIC:

Your water level controller can be set to operate in either SUCTION logic or DELIVERY logic by using suitable output contact at either terminals (C-NO) or (C-NC) of water level controller respectively

### SENSITIVITY SETTING:

Fix the sensitivity according to the liquid conductivity with the help of sensitivity potentiometer.

1. Keep all the rods in water and pot at maximum position. Now relay becomes ON.
2. Turn the pot towards minimum side till the relay becomes OFF.
3. Now adjust the pot above the setting where relay becomes ON and doesn't get chatter by turning the pot towards maximum side. Now check this operation for 2 or 3 times for repeat functional accuracy.

### ELECTRICAL CONNECTIONS:

See fig. for electrical connection details of water level controller.

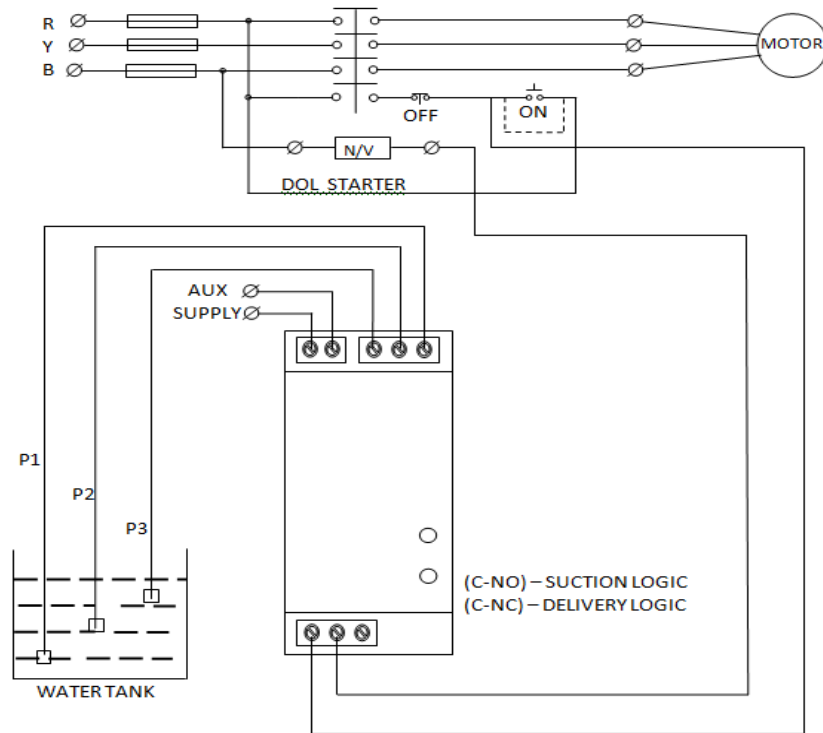
See fig. 1 for installation of water level controller in the control circuit. Auxiliary supply voltage should be as marked as on the front plate of the water level controller. Connect P1,P2,P3 at terminals 1,2,3 of water level controller connect the output relay contacts as shown in various applications suitable to your requirement.  
(Ref. Fig 1 & 2).

### TECHNICAL SPECIFICATIONS:

Parameters	Specifications
Auxiliary supply voltage	230VAC
Frequency	50 Hz/60 Hz $\pm 3\%$
Input Sensor	3 Nos. Stainless steel Prods
Sensitivity	1K $\Omega$ – 200K $\Omega$
Output relay and contact rating (resistivity)	1 Changeover contact & 7A, 250 VAC
Operating conditions	Temperature: -5°C - 60°C Humidity : upto 95% RH
Indications	Power ON : Led (Green) - L1 Relay ON : Led (Red) - L2
Enclosure	ABS
Mounting	35mm rail mounting panel mounting.

## ELECTRICAL CONNECTIONS BETWEEN POWER AND CONTROL WIRING:

**FIG 1: TWO LEVEL CONTROLLER**



**FIG 2: ONE LEVEL CONTROLLER**

