

WATER LEVEL CONTROLLERS

SAVE WATER, FULLY AUTOMISE & SOLVE OVERFLOW PROBLEMS

WLC1



- Fully Automatic Pump operation for Single Tank / Bore well
- Sensing of Levels by Stainless Steel Prods. (Magnetic Sensors for Non Conductive Liquids.)
- User selectable "SUCTION" or "DELIVERY" logic.
- Auto/ Manual option in case of emergency.
- Economically priced.
- Sensitivity Adjustment for Hard & Soft Water.
- DIN Rail / Wall mounting sturdy Plastic enclosure.
- Can be used for Single Phase or Three Phase Pump of any capacity.

WLC2



- Fully Automatic Pump operation for Two Tanks.
- Sensing of levels by Stainless Steel Prods. (Magnetic Sensors for Non Conductive Liquids.)
- Auto/Manual option in case of emergency.
- Low Level and Safe Limit indications on the Front Panel.
- Sensitivity Adjustment for Hard & Soft Water.
- DIN Rail / Wall mounting sturdy Plastic enclosure.
- Can be used for Single Phase or Three Phase Pump of any capacity.

WLC1 SINGLE TANK WATER LEVEL CONTROLLER

ABOUT WLC1

WLC1 is a water level controller used for automatic pumping operation for a Single Tank.

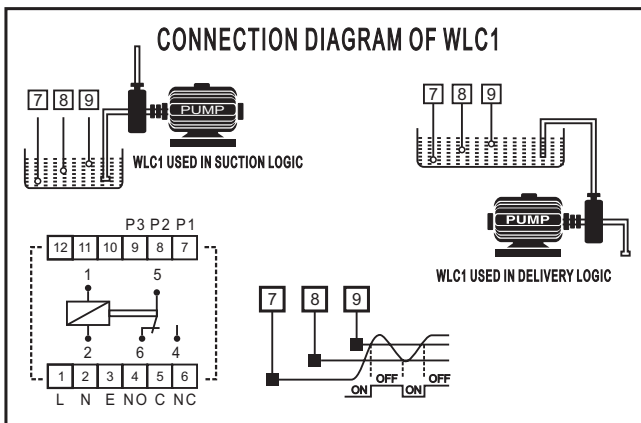
PRINCIPLE OF WLC1 OPERATION

WLC1 operates on the principle of electrical conductivity. Sensing prods are suspended in water. Water act as a conductive medium for current path between the prods. WLC1 maintains the water level between the upper and lower level in the same tank. There are three prods (Sensors). One for Higher level, one for lower level and one for reference.

With the help of Shortlinks WLC1 can be operated in either 'Delivery Logic' or 'Suction Logic'. In Delivery Logic all prods are suspended in over head tank. In Suction Logic all prods are suspended in Under Ground Suction Tank.

WHO CAN USE WLC1?

WLC1 is ideally suited for Borewell pumping operation, level maintenance in one Single tank from an Infinite Water Source, Industries, Level Alarms etc... WLC1 can also be used Non conductive liquids like Diesel, Lubricating oils, etc. with the help of Magnetic Sensors.



WLC2 TWO TANK WATER LEVEL CONTROLLER

ABOUT WLC2

WLC2 is a water level controller used for automatic pumping operation between Two tank (Under Ground & Over Head). It is used to maintain the water level in the over Head Tank, always.

PRINCIPLE OF WLC2 OPERATION

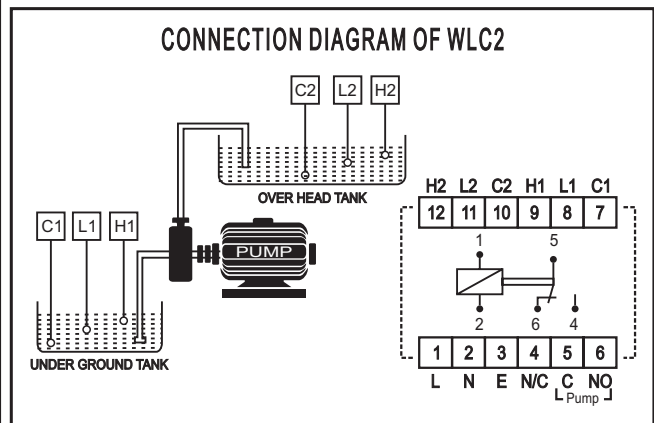
WLC2 also operates on electrical conductivity principle same as that explained in WLC1.

WLC2 has Six prods, three prods for each tank. One reference, one higher level and one lower level.

WLC2 will start the pump if the water level in the Over Head Tank goes below its low level, provided the water in the Under Ground Tank is above its low level, WLC2 shall stop the pump if the water level in the Over Head Tank reaches its high level or if the water in the Under Ground Tank goes below its low level.

WHO CAN USE WLC2?

WLC2 is ideally suited for Automatic pumping operation between the Two Tanks in places like Industries, Housing Societies, Apartments, Banglows, Hotels, Lodges, Hospitals etc... WLC2 can also be used for any Industrial application involving liquids other than water like Dairy (milk), Pharma (Syrup), Food (juices), Chemicals etc. WLC2 can also be used for Non Conductivity liquids like Diesel, Lubricating oils etc. with the help of Magnetic Sensors.



TECHNICAL SPECIFICATIONS	WLC1	WLC2
• Auxiliary Supply Voltage	230VAC	50Hz Single Phase
• Power Consumption	3VA	3VA
• Input Sensors	SS 304/316 with Nylon plastic covering	
• Sensing Voltage	12VDC	30VDC
• Sensing Cable length	No limit	
• Output Relay	1 c/o 6A @ 230 VAC resistive	
• Trip Time delay	less than one second	
• Resetting	Automatic	
• Sensitivity adj.	0 to 200K	0 to 140K
• Indications	Power ON, Relay ON	Power, Relay, Low level, Safe limit
• Suitable motor H.P.	Any Motor / Pump either Single Phase or Three Phase	
• Dimensions (in mm)	Main Unit : 60(W) x 70(H) x 110(D), Sensor : 16 x 50 mm	
• Mounting	35 mm Rail or Wall mounting	
• Enclosure	Virgin Plastic ABS	
• Weight	Main Unit : 665 gms (approx), Sensors : 55 gms (approx)	

We also manufacture WLC2A Two Tank Water Level Controller with Dry Run & Single Phasing Protection. It also has an optional Remote Display Unit.



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Product improvement is a continuous process, Data given in this publication is, therefore, subject to revision.