

Installation Manual

Congratulations on your selection of the ALL ABOUT ELECTRONICS automatic water level controller!

This unit provides you with fully automatic control of your open well pump or submersible pump based on the water level in the tank.

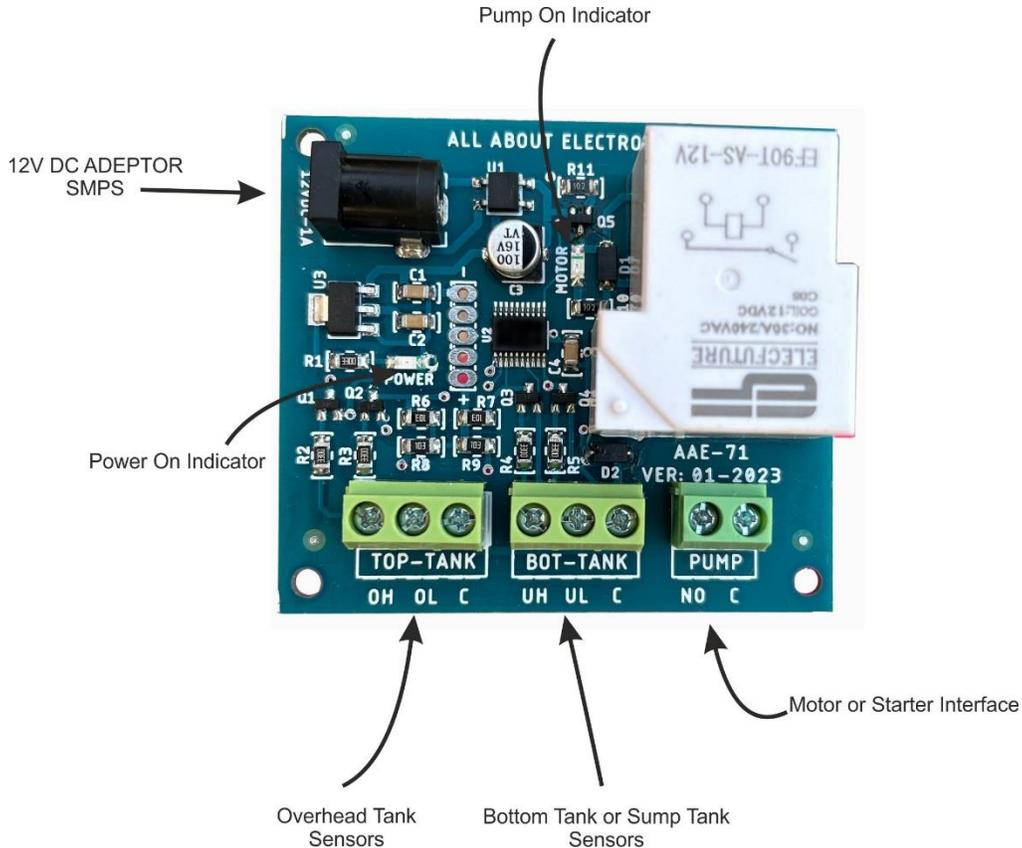
To operate this controller, you will need a 12V 1Amp SMPS adapter for power supply.

This product is designed to automatically control the motor, ensuring a constant reserve of water in storage tanks.

The automatic water level controller is used to automatically fill the overhead tank whenever it becomes empty and to monitor the water level in it.

When the water level in the overhead tank drops below the prefixed low level (on point), the automatic water level controller switches ON the motor. It turns off the motor when the water level rises up to the prefixed high level (off point). The motor also switches off when the sump water is exhausted before filling the overhead tank, preventing the pump from running dry.

These state-of-the-art, digital technology-based products are equipped with advanced microcontrollers.



- **Sensor Interface**

This water level controller does not include any water level sensors, so users will need to purchase them separately.

If you only have one tank, such as an overhead tank, and you are using the controller with a submersible pump or a borewell pump, you can bypass the bottom tank sensors by shorting all the bottom tank connections (UH, UL, C) to each other.

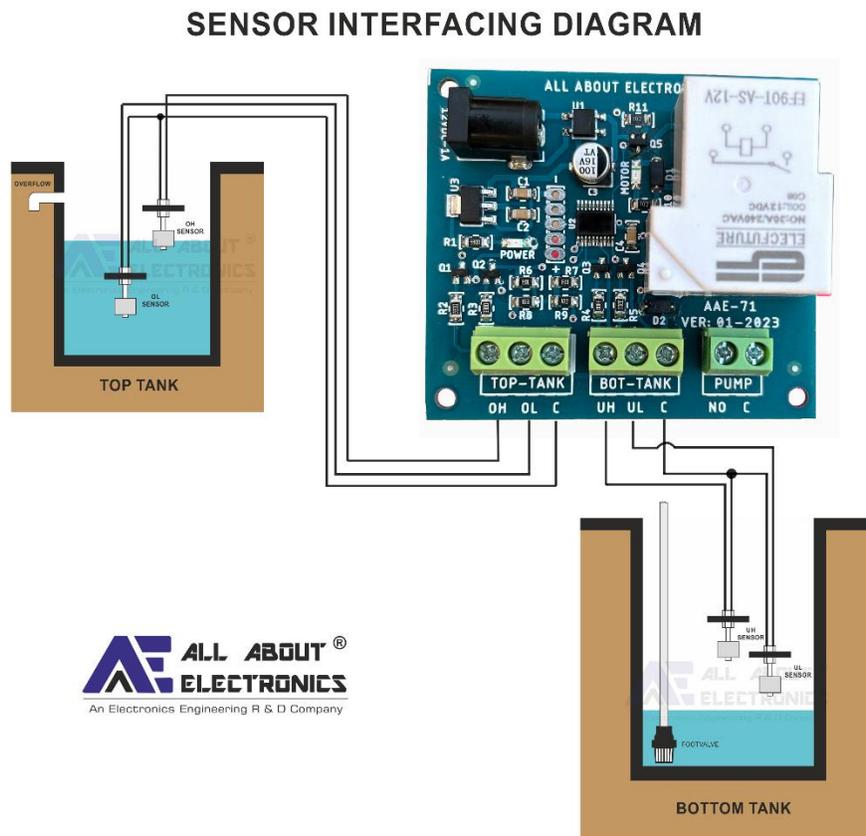
You can use magnetic float sensors (highly recommended) as well as SS Steel Sensors or Carbon sensors with this controller.

However, if you choose to use SS Steel sensors or carbon sensors, there is a possibility that the sensors may become corrosive soon due to the electrolysis process.

All types of water level sensors are available on our official website, and you can purchase them online at:

<https://allaboutelectronics.in/shop/sensors>

Below is the sensor interfacing diagram for the magnetic float sensor:



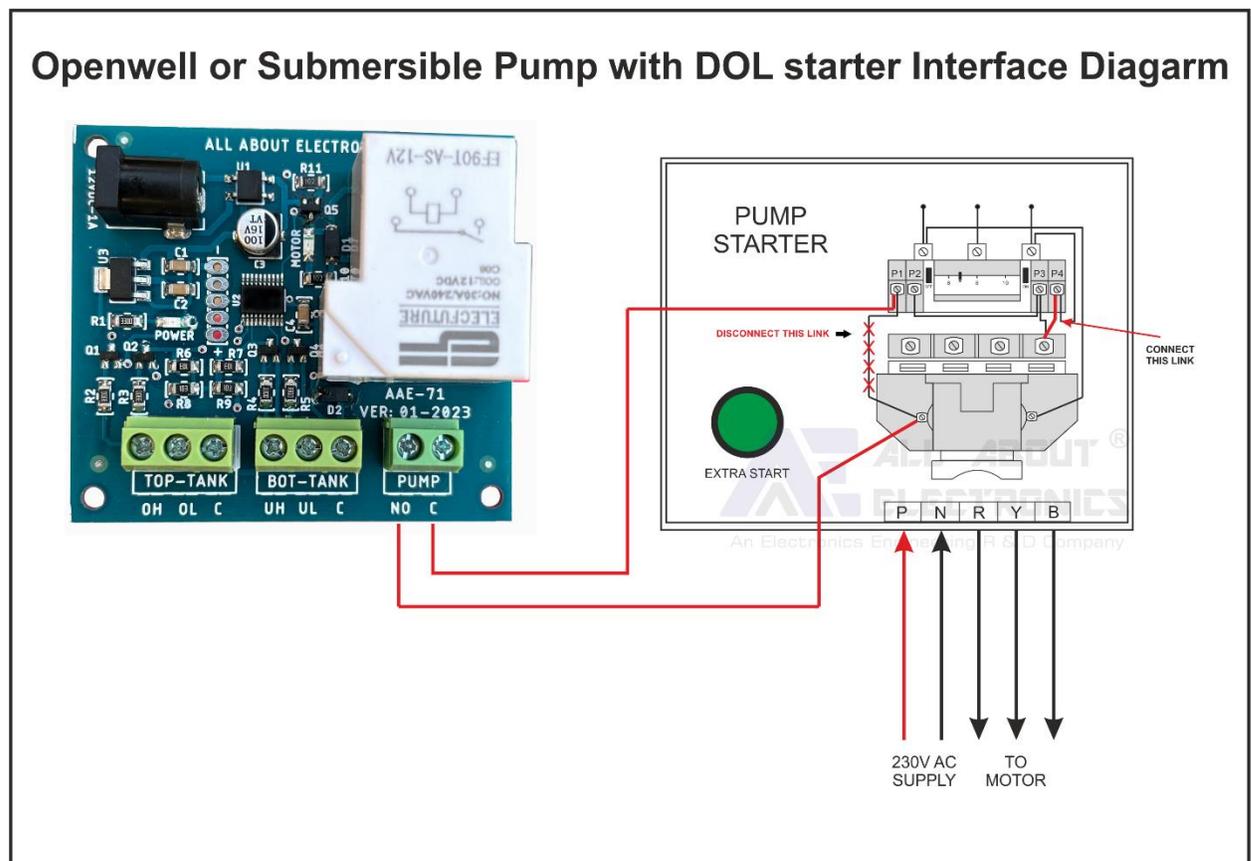
- **Motor or Starter Interface**

This DIY Controller supports almost all types of starters for open well pumps and submersible pumps.

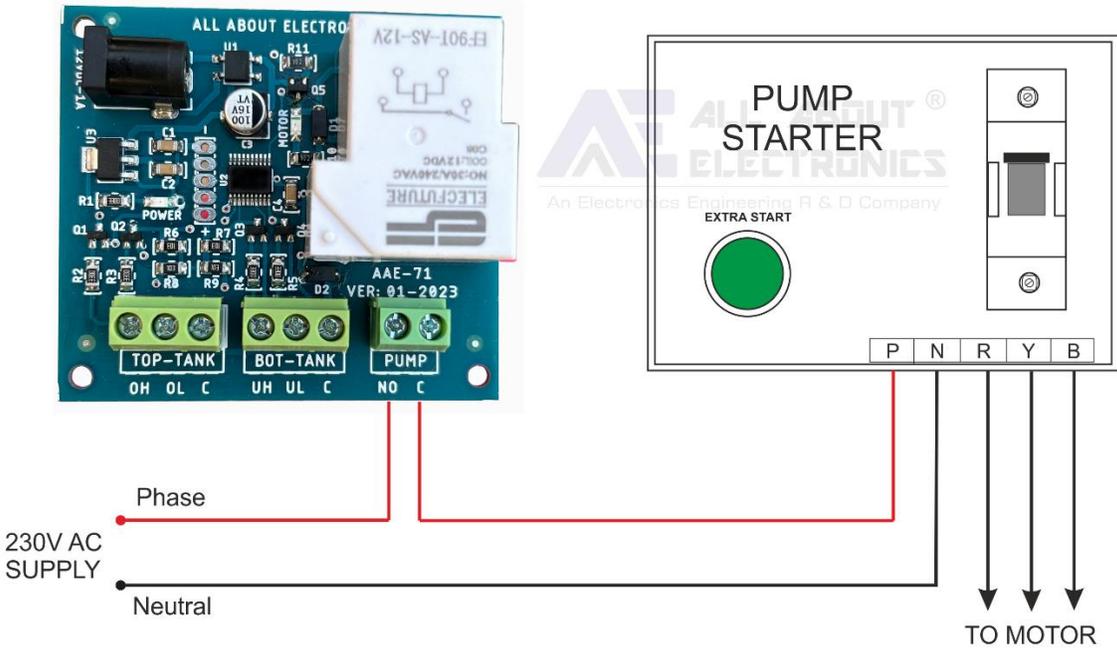
However, please note that this controller does not have an Extra Start feature for managing the starting torque of capacitors. Therefore, it is not suitable for that type of starter.

With a 30A relay, this controller can operate starters (of any horsepower) or motors directly up to 2HP.

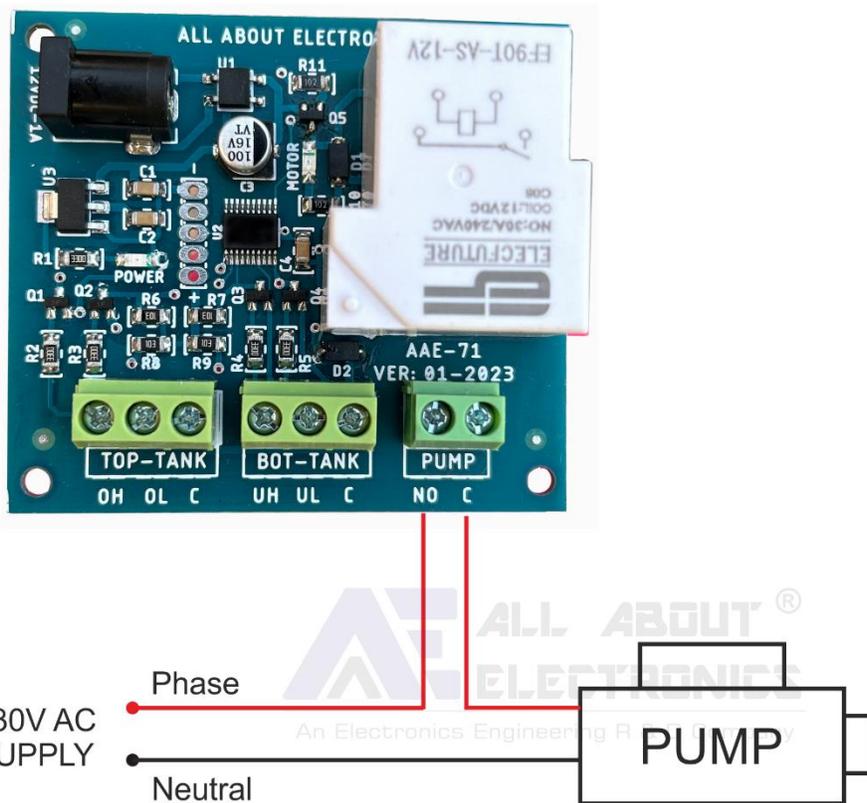
For reference, below are some interfacing diagrams:



Openwell Pump with MCB Type Starter Interface Diagram



Self Priming Pump Interface Diagram



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