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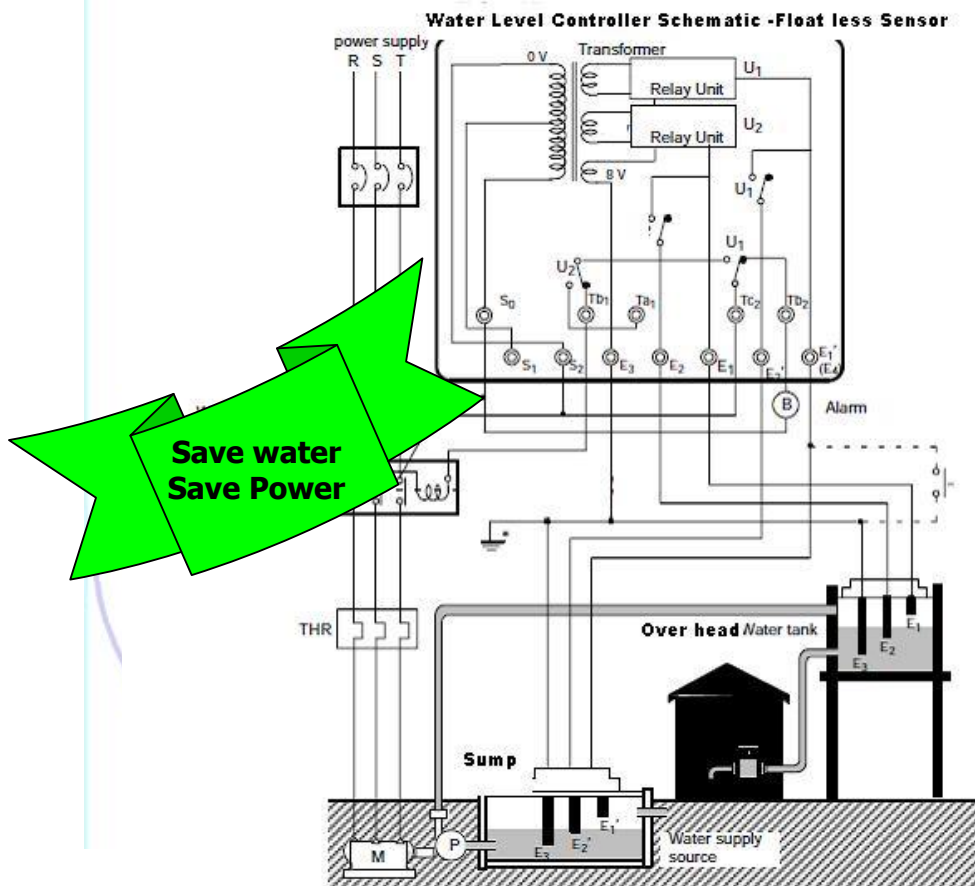
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Automatic Water Level Controller using Wireless Technology (Float less sensor)

The conventional domestic / industrial water level controllers are designed for the optimum performance, where in you will not be able to track the back up support for the systems installed.

The conventional wired technology involves the cost for the quality cabling, labor cost involved in the work, and from time to time maintenance of the system etc



Keeping in view of the practical field problems, we **ADIV TECHNOSERVICES INC.** have the designed very sturdy and yet more reliable Automatic Water level controllers for industrial applications using the Wireless technology.

Using the Circuit Design Inc. Japans, Radio modules, this water level controller is operated automatically from the long distance (aprx. 600mtrs LOS- distance depends on the environments surrounding the system.). The point to point wireless communication between the water **SOURCE** to the storage **TANK** is established using No intermediate media or the IP address to acquire the information/data from the TANK side to the Bore well/source side for all the 24 /7 hrs with the very low power consumption overall.

The float less sensor used in this system is easy to maintain has high quality, reliable industrial grade component from the industry brand OMRON Japan.

The units of the systems are enclosed in a top brand enclosures are manufactured in Germany which is in par with any international IP grade to give the equal aesthetic to the end product which is powered by SMPS for the electronics and sensors. (Fail safe)



In toto the system is virtually a stable and more reliable for the industry applications with practically no recurring cost to save water to save power.

Automatic Water Level Controller using Wireless Technology (Float less sensor) system consist of the components ;

WLC-TX: The OH (Over Head)Storage Tank unit

- 1) The power for the TX unit is +12VDC/+24VDC generated from 230VAC 1 ph.
- 2) Optional are available for the TX power using the solar panels kit for eliminating the 230VAC line to the Storage tank.
- 3) Level Sensor connection in the safe Junction box. Mounted on the Lid of the tank easily removable.

The WLC-RX: The bore well/ water Storage Tank Unit

- 1) The Rx is having the full enclosed unit is fixed near the power source of the Bore well point.
- 2) The Rx will in turn trigger the Contactor unit installed.
- 3) The power for the Rx unit is +12VDC/+24VDC generated from 230VAC 1 ph.
- 4) Optional O/P CONNECTOR for Warning signal + Buzzer(at rear side) -type

The system is inclusive of Level Controllers, Electrode Holder/s, Frames for Fixation, Electrode set and the communication devices viz. Radio modules.

The almost Zero Maintenance:

1. Simply wipe off with the cotton cloth / such fabric, the water immersed sensors once in 6 months for more reliable functioning and the life of the system.
2. Check the AC power supply stability / condition in case of failure.
3. Else call for ATS Service personnel.

