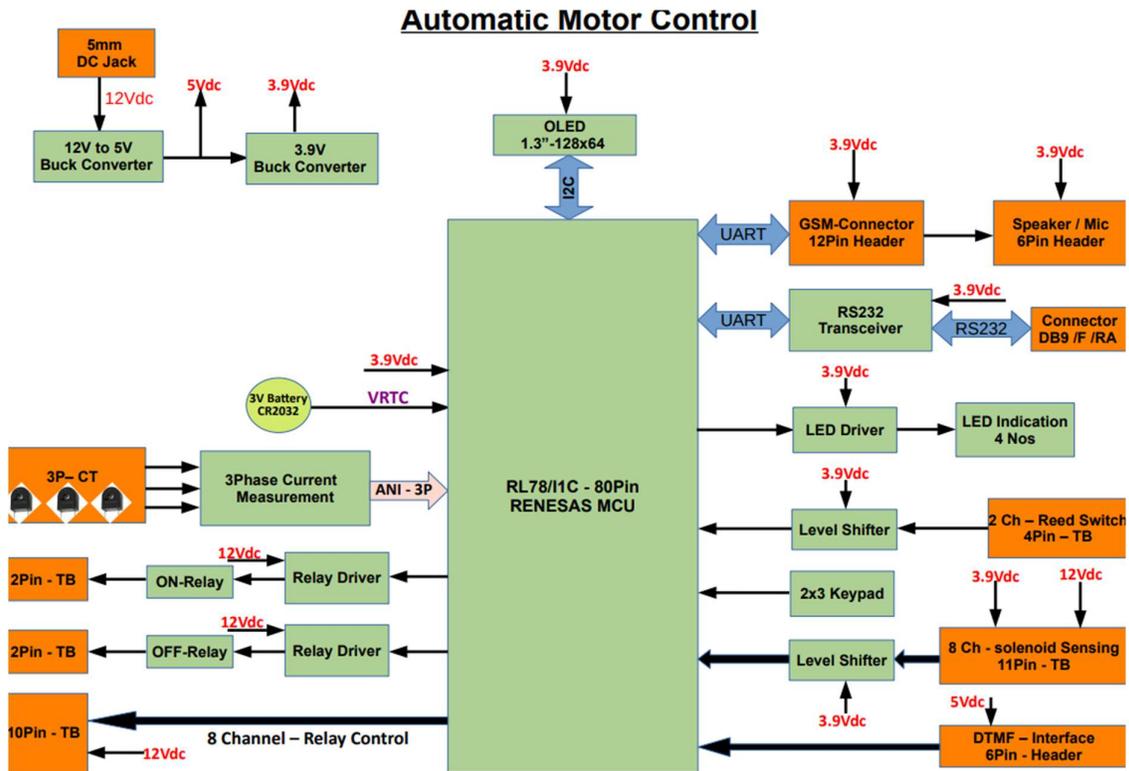


## Smart Motor Control – A case study

Remote control of water pump motors using GSM technology has become a practical solution for managing water resources efficiently. It allows users to operate pumps from any location by sending SMS commands, reducing the need for manual intervention. This approach is especially useful in agriculture, rural areas, and water management systems. GSM-based control systems offer convenience, reliability, and improved access to irrigation and water supply

Aashaya Group of companies has designed a GSM-based motor control system that enables users to remotely operate the motor via SMS commands. The system includes a GSM module, microcontroller, and a relay circuit to switch the pump on or off reliably. A representative block diagram of this is as shown below:



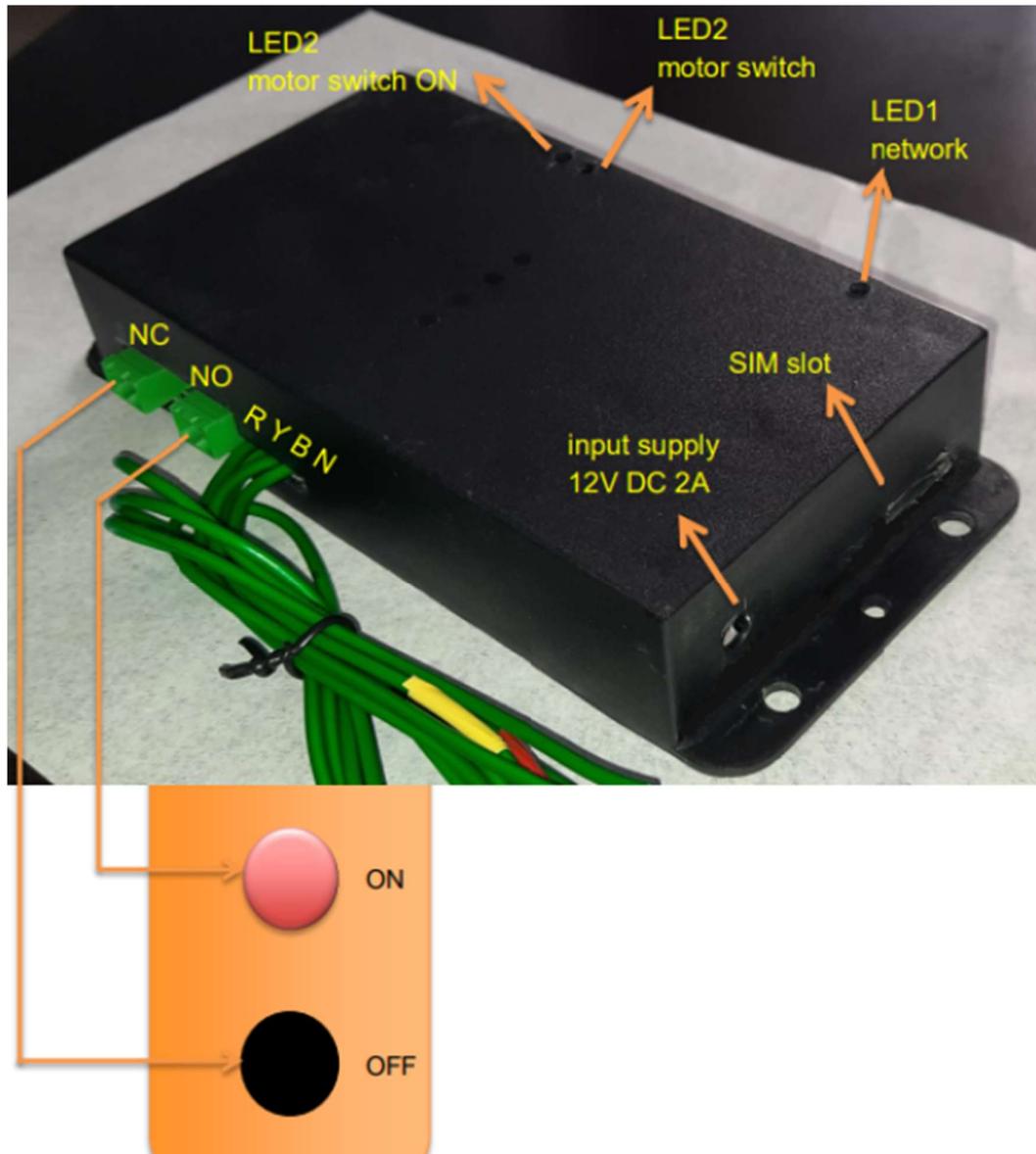
### Block Diagram

This smart motor controller system that can be used to switch OFF/ON the motor remotely by SMS or call. The device is also able to detect the status of the three phases power and turn ON the motor only if all three phases are present.

## AASHAYA GROUP OF COMPANIES

It is especially useful in agricultural and remote settings where manual operation is challenging. The goal is to provide a cost-effective, user-friendly solution for efficient water management.

The image of the product is shown below



**Product Box**

For any further queries, please contact us at 99010-23235