



AGROMOTION INDIA PVT. LTD.

www.agromotionindia.in

INTRODUCTION :

India is witnessing an astonishing development in the field of Automation.

Today, Agromotion India is an integral part of various Automation solutions and systems in wide fields like Agriculture, Industries and Home Automation. We at Agromotion India are dedicated to developing and realizing embedded system Automation and providing solutions to the society with efficient and reliable work culture.

Established in the year 2015, A team of Young and Dynamic personalities from discrete fields of Design, Management and Marketing are committed to delivering the best quality output for our valued clients.

BEYOND AUTOMATION :

Our relationships with our customers do not end with providing solutions to their automation needs, but go on to helping them with ongoing care and providing on time services for products and systems. We at Agromotion India believe in building long term relationships with our clients rather than just professional business.

COMPANY POLICY :

To empower agriculture, homes, public sectors and industries through continuous improvement by implementing new innovative ideas to enrich the world.

PRODUCT INFO

With a wide range of products, Agromotion India has always kept its mark above the satisfaction level of all our clients. As a result of our pursuit of World-Class technology, Our Automation systems can be seen operating flawlessly at diverse locations. Agromotion India serves its products in the fields like Agriculture, Industrial, Domestic & Public Sector.

IOT Based Pump Monitoring system:

- IOT pump controller Monitors & controls any 1Φ Or 3Φ
- Real time operating of pump From mobile or web application.
- Gives Safety to Motor from phase reverse, under voltage, over voltage & voltage imbalance.
- Protect Motor from burning in case of Starter fault, Under current over current and current imbalance.
- Alert's in case of electricity comeback, Any fault occurred or Scheduled on/off.
- Stores all pump data on cloud to generate historical report for analysis.
- Real time electrical parameters, displayed on the application
- Avoid extra Expense of recharge.
- Supports to 2G/4G/5G Network.



Street light CCMS (Controlling and Monitoring System)

- Switching ON/OFF for individual or group of streetlights through centralized control and monitoring system or web application
- Schedule ON/OFF for individual or group of streetlights for 365 days with two different slots each day
- Facilitate monitor, communicate, control and configure each control panel through centralized controlling and monitoring system user interface
- Real time data monitoring on web application for voltage, current, power, power factor, apparent energy, operating hours of each streetlight or group of streetlight
- Report generation for energy usage, luminair failure, active lights, inactive lights, active panels in network, power theft, power failure, daily /weekly/monthly reports
- Alarm generation in case of power failure, power theft, phase wise voltage alarm on crossing a present threshold value, no output supply to streetlight, over burning hours beyond scheduled time
- Geographical location of each streetlight controller can be set through web application by providing latitude and longitude
- Different login credentials can be provided for group of control panels
- Cloud bases server arrangements for data storage upto 1 year (can be extend)
- Specification
 - Input voltage: 230v 50Hz AC
 - Operating voltage: 100v to 270v
 - Power supply: 15v 1 amp smps
 - Rated current capacity: 32 amp
 - Connectivity: 2G/3G/4G GPRS connectivity



GPRS Based Street light Controller

- Switching on/off for individual or group of street light through GPRS based Street light Controlling system.
- Real time data monitoring on web application for voltage(v), current (I), power(p), power factor (pf) Apperent energy, Operating hours of each streetlight or group of street light.
- Report generation for Energy usage, luminor failure active light, inactive light, Network, Power theft, Power Failure.
- Cloud based server arrangement for data storage upto 1 year.



Solar DC pump Remote Monitoring System with water level controller

- All parametre covered ie. DC voltage, DC current, Pump Current, Pump voltage, Tank empty full, power etc.
- RMS will send real time data to customer sever.
- Pump can be on/off via web/Andriod
- Automatic pump on/off via sensing tank water level
- Internal data backcup (SD Card)
- Online historical report generation with 15min frequency (It can be changed)
- Voltage Range: 30V to 300V DC



MOBILE AUTO SWITCH :

- Suitable for All types of Starter Units.
- Remotely controls motor through Call, Missed Call or message.
- Protection against Dry Run, Phase Fault, Phase Reverse, and Overload for the ultimate safety of the motor.
- 50 Exclusive features to control the motor from any place of the globe.
- Timer- based control system for scheduled start and stop the motor.
- Password protection to avoid misuse of Auto.
- Calls / Message to User after SIM change.
- Runs Motor for specific hours by runtimer.
- Dry Run Timer - for retry to start motor after dry run detection.



DRY RUN AUTO :

- Suitable for All types of Starter Units and all types of Motors.
- Protection against Dry Run, Phase Fault, Phase Reverse, and Overload for the ultimate safety of the motor.
- Dry run retry timer to start the motor after selected time automatically



THREE PHASE STARTER WITH MOBILE AUTO

- Type: Digital three phase
- Application: Submersible openwell
- Protection: Dry Run, overload, SPP, RSP.
- HP Range: 1HP to 6HP
- On/off through call, message and missed call.
- Protection against phase fault, phase reverse, dry run & overload
- Feedback to user incase any fault is detected.
- Call to user when electricity resumes.
- Password protection, auto mode, timer facility.



SINGLE PHASE STARTER WITH MOBILE AUTO

- Type: Digital single phase
- Application: Submersible of openwell pumpset
- Protection: Dry Run overload, call receiving, CCT.
- Starting with contactor
- HP Range: 1 HP to 2HP
- On/off through call, message and missed call.
- Protection against phase fault, phase reverse, dry run & overload.
- Feedback to user incase any fault is detected.
- Call to user when electricity resumes.
- Password protection, auto mode, timer facility.

RTC TIMER

- Specifications:
Input: 230v 50Hz AC
Current Rating: 30AMP
- Output NO/NC Contact
- Enclosure Metal/Plastic
- Digital display to show real time and set timing
- programmable upto 4 slot per day from 10 sec to 24 hrs
- suitable for industrial, agriculture and domestic
- user friendly device, easy to handle and timer.



GSM Controller for 8 Relay

- The relay board contains the 8 relay, each relay capable of switching a device ON/OFF.
- users can call or send sms commands to GSM module from any mobile phone.
- This allows for remote switching of electrical loads from anywhere with GSM coverage.
- Relay board also provide feedback to user after executing the command, often through call /sms.
- This feedback confirms that relay has been switched on /off as requested.
- 1 to 8 relay with normally open (NO) and normally closed (NC) contacts ,maximum switching capacity is 7 amp @230 AC per relay.



WATER LEVEL CONTROLLER

- An Auto Water Level Controller is an electronic or mechanical device used to automatically monitor and control water levels in tanks, reservoirs, and other storage systems.
- It prevents overflow, dry running of pumps, and water wastage, making it essential for homes, industries, and agriculture.

HOW IT WORKS :

- When water is low → Sensor triggers pump to start filling.
- When water reaches max level → Sensor stops the pump.
- Optional features – Dry-run protection



HOME SECURITY SYSTEM.

- A Gsm based home security system is designed using multiple sensors & GSM module
- When the system is activated, it continuously checks for motion & when motion is detected, it make a call to the owner.
- 10 numbers can be registered.
- Specifications :
Voltage range: 230V AC 50 Hz
Enclosure : Metal
Packaging includes : 1 siren, 2 reed sensor, 2 magnet



SOLAR WATER LEVEL CONTROLLER

- Fully automatic water level controller for DC Solar pump (Jai jeevan mission)
This model will automatically switch ON/OFF without manual intervention.
- The system comes with water level sensor, which continuously monitors the Water level & based on this Pumps get On/Off
- For user convenience, 2 modes such as Manual mode & Auto mode provided.

Specification

Input : 30 V - 300 V DC

Contactor- 3 Pole 9A (Special DC Contactor, make L & T)

Enclosure : IP65 standard, Metal.



IOT BASED TANK LEVEL MONITORING SYSTEM

- A pump monitoring system is a solution used to track and analyze the performance, condition, and operational status of pumps in real time.
- Gives real time tank level with percentage .
- 5 indication on web application .
- Indication of tank filling.
- Multiple users can do login at a time on web application and see the level of the water in tank .
- Historical report with 15 min interval.
- Alert to user in case level of the water in tank falls bellow 40% or 20%
- Mail or SMS alert (optional)



RTC BASED STREETLIGHT TIMER PANEL

- SPECIFICATIONS:
 - Voltage input :230/440 AC 50 Hz
 - Rating : 6kw/12kw/24kw
 - Type: Three phase/ Single phase
 - Enclosure: SRC sheet plastic enclosure
- Automatic ON/OFF operation of multiple streetlights
- Multiple slot settings
- Indicator lamp for phase availability
- Suitable MCB
- Pole mounted
- IP65 enclosure



Remote Monitoring system

- switching ON /OFF through server
- Daily schedule setting by server for automatic operation of streetlight
- voltage and current at site from each relay is shown on server
- Report generation for each controller for previous month which will show daily ON/OFF history, power consumed, total operation time
- Alert in case of overload, over voltage, under voltage
- Specifications:
Input: 230V AC Hz
Enclosure: IP65 Standard
Output :NO/NC Contact



Gsm Based Power failure Alarm.

- Gives feedback to all registered users by call or SMS when electricity or power gets OFF
- 10 Users can be registered
- Call to User till confirmation of feedback from user.
- Extra Relay Output to switch on any extra system
- Generator status option is also available.
- Battery backup upto 12 hrs
- Input: 230V AC 50Hz





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