



POWER FAILURE SMS ALERT SYSTEM THREE PHASE - CONTROLLER



USER MANUAL

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DEVICE COMPONENTS LIST



**Power Failure SMS Alert System
Three Phase - Controller Unit**

12V Power Supply



Antenna

SIM800L GSM Module



PLACES OF INSTALLATION AND SPECIFICATIONS

- Power failure message alert system, when power fails suddenly message send to all stored phone number. Also user will receive phone call alert
- LED indication available
- When ever user need power status or voltage range we can get the status via message
- Inbuilt battery li-ion 3.7 v 5000mAh, runtime 16 hrs approx
- This device is also customizable—we can configure siren or led bulb with user choice

APPLICATIONS:

Intensive Care Unit, Food industry, Cold storage, Server rooms, Aquarium, Automation Industries

Specification

POWER INPUT :

- 230v to 5v lamps adapter
- When the power on red led will glow

GSM :

- Sim800L Module : quad-band 850/900/1800/1900mhz
- SIM: All type of SIM card Support-2G/3G/4G
- Gsm antenna: 880 to 960Mhz
- Green led: Blinks, once gsm connected to network

AC VOLTAGE SENSOR :

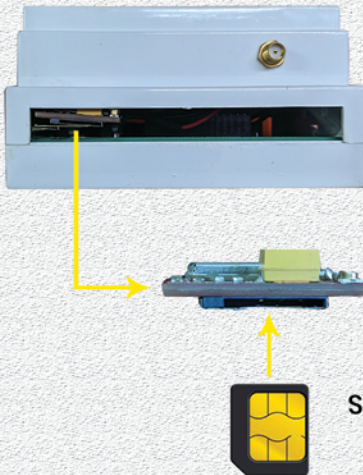
- Three ZMPT101B High-Precision Voltage Sensor
- Range : AC 1000 volts

WORKING PROCEDURE

- In this unit, the GSM SIM800L module is used for the communication from one to another



- As shown in the picture below, the SIM800L module is placed in the GSM unit
- In this SIM800L module, the SIM card can be inserted in the below SIM insert holder



- Once the SIM can be inserted and Switch on the unit, the LED will blink and the process will be start

POWER FAILURE SMS ALERT SYSTEM-THREE PHASE

- Power Failure SMS Alert System is an intelligent electronic device connected to your motor starter to let you remotely control and protect your three phase pump set from anywhere in the world through the Power Failure SMS App, or an SMS, or a phone call or a missed call, making use of GSM network for global connectivity
- Power Failure SMS Alert System packages consisting of an innovative electronic device to be connected with your existing motor starter and an Android application to be installed in your smart phone for remotely controlling and completely protecting your three phase pump sets from any distance

Power Failure Alert System Challenges With.....

- Rough weather
- Difficulty during nights
- Water wastage
- Labor shortage
- Power fluctuations and cuts

How it Works:

At first fix the Power Failure Alert System to the starter unit of three. After fixing the device, switch on the device and register the mobile number to the GSM module. Two ways are,

- By using mobile app
- By using SMS
- By making a call

A) BY USING MOBILE APP



- Open the app in your android mobile. Then press "Click Here to Enter"

POWER FAILURE SMS ALERT SYSTEM-THREE PHASE

- It will move second screen, there press the **“Click here to Register”** to register the mobile number

Click here to Register

- Then you have to enter the GSM module SIM mobile number

Enter ph no:

- Finally enter the **“User Mobile Number”** and also give **“Index Number”**

Enter NO To Reg Index No

- Up to 10 user number we can able to register, first number is the master number
- After entering each mobile number, press the option **“REGISTER”**

REGISTER

- At last press back button in your phone, it will return back to second page, there you have to press **“SAVE”**

Enter ph no:

SAVE

- “Initialize”** button is used to clear the phone numbers that already registered for receiving alert messages

Initialize

- After this process, switch off the unit for few minutes
- Then switch on the unit, master number will receive the message system ready



- Then by using app you can control the motor, press the
 - OFF** option to **Switch On** the motor
 - And also by pressing the **ON** option you can **Switch Off** the motor

MOTOR:



MOTOR:



POWER FAILURE SMS ALERT SYSTEM-THREE PHASE

B) BY USING SMS

By sending SMS from your mobile phone, To register the mobile number you have follow these steps,

SEND SMS COMMAND

STATUS

For example, MR,8976430287,1	:	Mobile registered
MR,9962673502,9	:	Mobile registered

After the completion of the mobile registered switch off the unit for few minutes, then use following commands to switch on the motor.

SEND SMS COMMAND

STATUS

#P123456OUTI=OFF#	:	MOTOR_OFF
#P123456OUTI=ON#	:	MOTOR_ON

C) BY MAKING CALL

By making a first Call motor **ON**, by making a second call motor **OFF**



POWER FAILURE SMS ALERT SYSTEM SINGLE PHASE - CONTROLLER



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