POWER FAILURE ALERT DEVICE

USER MANUAL

For Service Support: +91 7046960991

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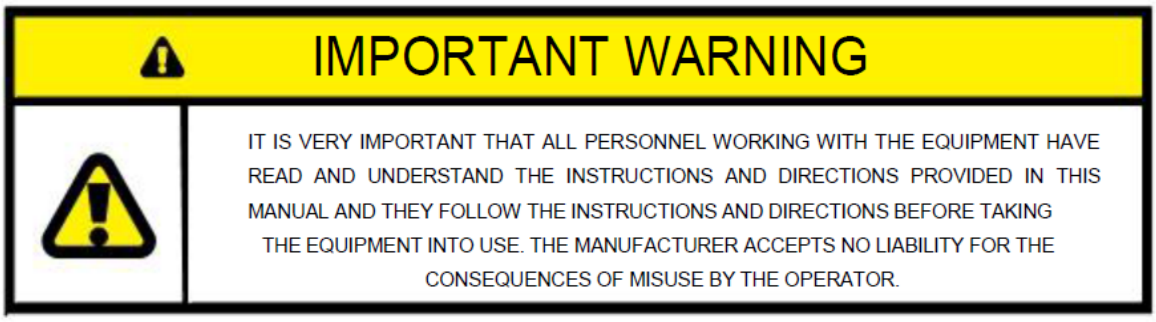

The operator shall bear responsibility for the suitability of the device for the specific purpose:

1. Improper installation and operation of the devices (systems) will cause the warranty to be void.
2. The manufacturer will not be liable for any damage of any kind by using its product, including, but not limited direct, indirect, incidental, punitive, and consequential damages.

Installation, connection, commissioning, and service must be carried out by personnel who are qualified and authorized to do so.
Installation personnel must ensure that the measuring system is correctly connected according to the connection diagram.
This device contains electrical components with an electrical current therefore installation, services, and maintenance must be carried out by expert and qualified personnel, aware of all necessary precautions. Before opening any internal parts, please shut off the power supply.
The Device is composed of metal and plastic parts, all of which must comply with local norms and requirements concerning their trash disposal.

Manufacturer's design and safety statement

- Stresses and loading caused by earthquakes, traffic, high winds, and fire damage are not taken into account during device design.
- During operation do not exceed the pressure and/or temperature ratings indicated on the data label or in this Operating Manual.
- The manufacturer reserves the right to update safety information without prior notice.
- Read and follow all guidelines outlined in this manual to ensure a safe and reliable user experience.
- Ensure that the Device is connected to a power source within the specified voltage range.
- Insert and remove the SIM card with caution, Make sure the SIM card is not PIN-locked, and it has sufficient balance.
- Ensure the device is placed in an area with good cellular network reception.

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1. Introduction

1.1 Overview

An uninterrupted power source is necessary for modern equipment to function properly in this age of advanced technology. Continuous power supply is essential in many businesses, including the IT industries, cold storage, server rooms, hospitals, etc. to enable efficient work and prevent catastrophic events. Many industry workers rely on GSM-based short message notifications for power outages or restorations so they can act quickly to restore power supply using an alternate power source. Such a Power Failure Alert Device having a user-friendly interface has worked well for many applications.

1.2 Key Features

- Power on/off alert over SMS and missed call notification.
- Alert messages/missed call can be sent up to 5 mobile numbers.
- LED indication for network and power.
- User can check live status by sending an SMS/Missed call to the device.
- User can change registered mobile numbers through SMS by using the SMS command.
- Can be customized to suit specific customer requirements.

1.3 Package Contents

- Power failure Alert device
- User Manual
- SIM card (not included)

2. Getting Started

2.1 SIM Card Insertion & Battery Connection

- Open the Device to insert the SIM card and Battery connection.
- **SIM Card Insertion**: Insert a compatible SIM card into the designated slot on the device. Ensure that the SIM card is unlocked and has sufficient credit for sending SMS or making calls.
- **Battery Connection**: Connect Battery Connection.
- After inserting the SIM card and connecting the battery, pack the device.

2.2 Installation

- Plug in the Power Alert device in a location with a stable cellular network signal. It's essential to choose a spot with good reception to ensure reliable alerts.

2.3 Powering Up

- Before configuring the provided power alert device, connect it to a power source and let it charge for 10-15 minutes. Power Alert comes with a built-in rechargeable battery to ensure continuous operation during power outages.

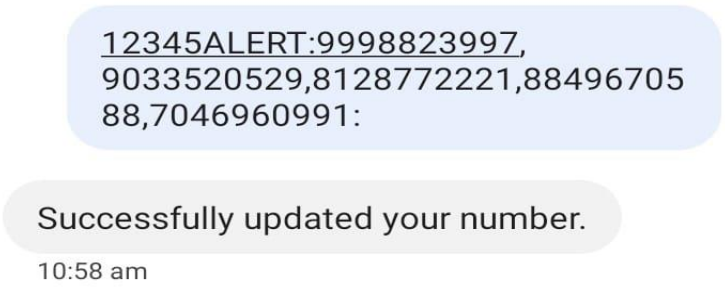
2.4 LED Indicators

LED	Status	Meaning
Red	Fast blink	Network not available
	Slow blink	Network available
Green	Continuous ON	Power available
	Continuous OFF	Power not available
	Blink	While sending message

3. Configuration

3.1 Recipient mobile number Setup

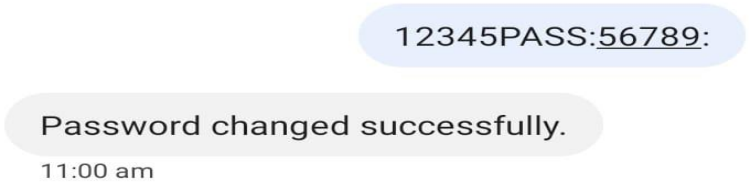
- In the setup, the user can input up to 5 mobile numbers to receive alerts.
- Send an SMS to the device in the below format to get an alert in your preferred mobiles. (by default password is “12345”)
- **SMS Format:** “PasswordALERT:Mobile no.1,Mobile no.2,Mobile no.3,Mobile no.4,Mobile no.5:”
- You will receive an SMS as “Successfully updated your number” on all registered mobile numbers.
- **SMS Example:**



3.2 Password setting

- Send an SMS from the registered mobile number to the device in the below format to change the password.
- **SMS format:** “OldPasswordPASS:NewPassword:” (by default password is “**12345**”)

- You will receive an SMS as “Password changed successfully”.
- **SMS Example :**



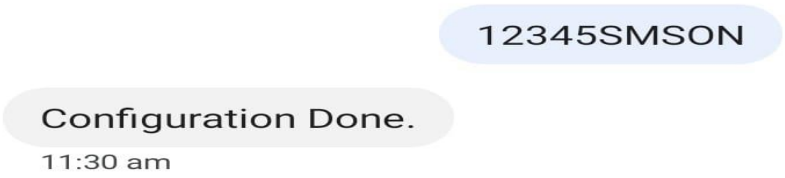
(**NOTE: Password should be 5 digits only**)

3.3 Configuring Device Modes:

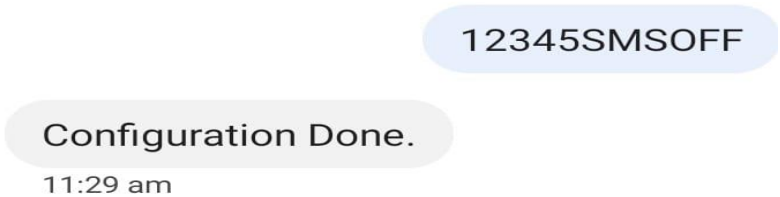
- Users have the option to easily switch between SMS and missed Call modes using a simple process. By default, both modes are activated.

3.3.1 SMS mode setting

- **Activating SMS Mode:**
  - Text the SMS command in the below format to turn on the SMS mode.
  - **Format: PasswordSMSON**
  - You will receive an SMS as “Configuration done”.
  - **SMS Example:**

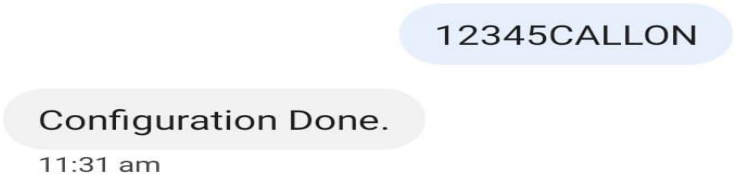


- **Deactivating SMS Mode:**
  - Text the SMS command in the below format to turn off the SMS mode.
  - **Format: PasswordSMSOFF**
  - You will receive an SMS as “Configuration done”.
  - **SMS Example:**



3.3.2 Missed call Mode:

- **To Activate missed call Mode:**
  - Text the SMS command in the below format to turn on the missed call mode.
  - **Format: PasswordCALLON**
  - You will receive an SMS as “Configuration done”.
  - **SMS Example:**



- **To Deactivate missed call Mode:**
  - Text the SMS command in the below format to turn off the missed call mode.
  - **Format**: **PasswordCALLOFF**
  - You will receive an SMS as “Configuration done”.
  - **SMS Example:**

3.4 Testing the System

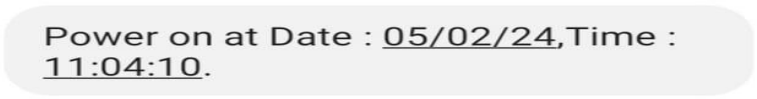
- To test the device to ensure it is configured correctly follow section 4.4. The device will respond with power status.

4. Device Operation

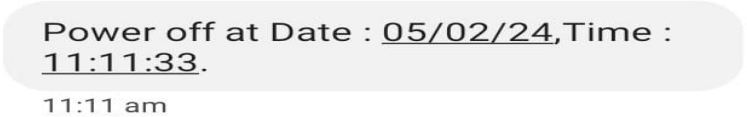
4.1 SMS Alert

- The device will send an SMS to all configured numbers to ensure immediate notification as given example.

- **Example**:
  - **Power on:** When the power is UP, the user will receive an alert SMS as shown in the example below.



  - **Power off:** When the power is DOWN, the user will receive an alert SMS as shown in the example below.



4.2 Missed call alert

- You will also receive alerts via missed calls to all your configured mobile numbers.

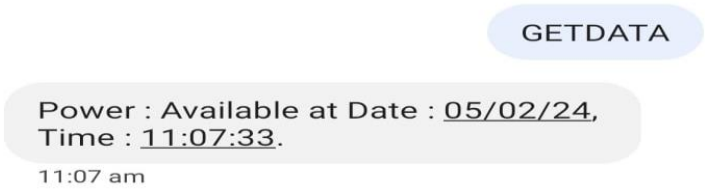
4.3 Monitor Power status manually

4.3.1 Method 1

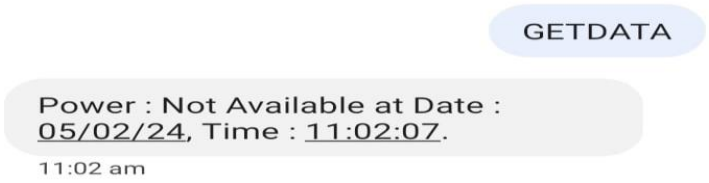
- Send an SMS command (GETDATA) to the device to get the current status.

➢ **Example**:

- **If Power is ON**: the user will receive the current power status as shown below example.



- **If power is OFF:** the user will receive the current power status as shown below example.

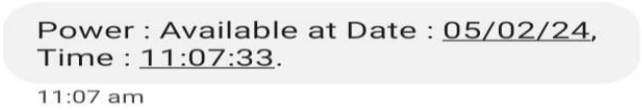


4.3.2 Method 2

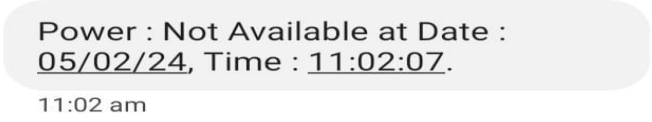
- User can monitor the current power status by giving missed call to the device.

➢ **Example**:

- If **Power is ON**: The device will send an alert SMS as shown in the below example.

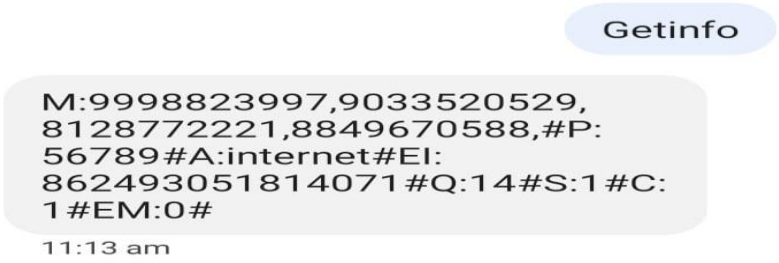


- If **power is OFF:** The device will send an alert SMS as shown in the below example.



4.4 Get device information

- Send an SMS to the device in the below format to get all information like password, registered mobile numbers, and mode selection status.
- **SMS format** : “Getinfo”
- **Example**:



[Here M is for mobile number, P is for Password,

S is for SMS (S:1 = SMS on, S:0 = SMS off),

C is for Call (C:1 = Call on, C:0 = Call off),

EM is for Email (EM:1 = Email on, EM:0 = Email off)]

5. Troubleshooting

5.1 No SMS Alert Received

- Check the SIM card balance, network connectivity using LED indication, and recipient number configuration. Ensure the call alert settings are configured correctly.

5.2 False Alerts

- Ensure the device is not placed in an area with frequent power fluctuations.

5.3 LED Indicator Issues

- Refer to Section 2.4 for details on LED indicators. If issues persist, contact customer support.

5.4 Invalid command issue:

- Ensure the format of the SMS command given by the user is as given in the user manual
- **Note**: All SMS commands are case-sensitive.

6. Technical Specifications

POWER	
Phase	Single
Operating Voltage Range	100 to 240 V AC
Battery Backup	Chargeable 3.7 VDC 1100 mAh Li-Ion
Battery Standby Time	36 hours
MODULE SPECIFICATIONS	
Module	GSM Module
SIM Card	Micro SIM (VI, Airtel, BSNL)
ALERT MESSAGE SPECIFICATION	
• Cellular message alert notifications with date and time	
• Message alert configurable for 1 to 5 Contacts	
• 10-digit mobile contact numbers are supportable	
Message Alerts	• POWER on with Date and Time Stamp • POWER off with Date and Time Stamp
Message Configuration	Simple and easily configurable
PHYSICAL DIMENSIONS	
Housing	Plastic
Dimension	83 x 71 x 63 mm
Weight	130 gm
ENVIRONMENTAL	
Storage Temperature	-40˚C to +85˚C
Operating Temperature	0˚C to +70˚C
Humidity	5% - 95% (non-condensing)

7. Warranty and Support

- A warranty period for our company's products is within 12 months from the date of purchase.
  - **The following are not covered by a free warranty period.**
  - Hardware failure due to inconsistent usage environment.
  - Failure or damage caused by a bad power environment.
  - Failure or damage caused by unauthorized disassembly, repair, or override of authority, modification, or abuse.

❖ Thank you for choosing Power Alert! We hope this device enhances your peace of mind by keeping you informed about your power status wherever you are.