Emergency Dialer 2G Modbus

Product Name: Emergency Dialer – GSM Dialer with Multi Input SMS Option

I. Product Overview

A 2G-based GSM Modbus Auto Dialer is a device that integrates GSM communication technology with Modbus protocol. It's designed to monitor and control various systems, sending alerts via SMS and voice calls in case of anomalies or predefined events.

II. Key Features:

- **Early Warning System:** Provides timely alerts, preventing potential issues and minimizing downtime.
- **Cost-Effective:** Can be a cost-effective solution for small to medium-sized installations.
- **Flexibility:** Configurable zones and numbers offer flexibility in tailoring the system to specific needs.

III. Technical Specification:

- **GSM Connectivity:** 2G/3G
- **Power Supply:** 12V/2A
- **Modbus Baud Rate:** 9600
- **Modbus Protocol:** RTU
- **Modbus ID:** 1
- **Supply Connectivity:** Power Jack
- **Dimensions:** 87 cm x 30 cm x72 cm (LxBxH)
- **Weight:** <500g
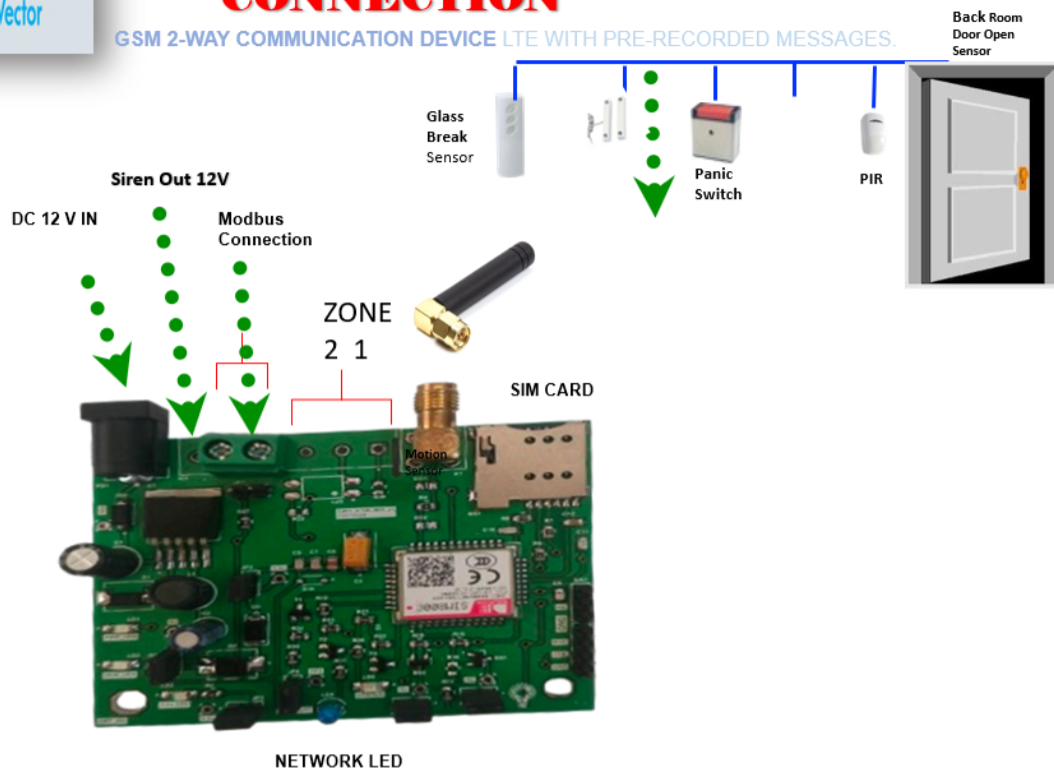
IV. Functional Description

- **Modbus Integration:** Enables communication with Modbus-based devices, allowing for remote monitoring and control.

- **SMS and Voice Alerts:** Sends timely alerts via SMS and voice calls to designated numbers.
- **Zone Configuration:** Configurable zones for monitoring different areas or parameters.
- **Number Configuration:** Ability to store and manage multiple contact numbers for alerts.
- **Remote Monitoring:** Enables remote monitoring of systems, reducing the need for on-site inspections.
- **24 Zone Configurations**
- **Easy Programming through SMS.**
- **Automatic Call / Automatic SMS sending in case of emergency Situation**
- **30 Sec Duration time of Voice Message**
- **1 Voice Recorded Message**
- **Two Isolated Digital Input** (Programmable NO or NC)
- **One 12v Output (Siren On)**
- **Modbus Protocol** Device ID, Alert Trigger, & Device Online/Offline and Network Status
- **Sim Support- BSNL/Airtel/Vodafone-Idea** (Micro Sim)
  - ❖ **Panel ARM/DISARM text** (24 characters length)
  - ❖ **Siren Disarm Text** (24 characters length)
  - ❖ **Telephone Number Editing Facility**
- At time 8 number can configure via SMS
  Set Number configurations call Only, SMS Only & CALL & SMS.
  i) Master Admin (2 Numbers) add Admin & Emergency Number.
  ii) Admin (2 Numbers) Only add Emergency Number, Zone Configurations, Zone Name, ARM/DISARM/SIREN Message (Descriptions).
  iii) Emergency (12 Numbers) Sensor zone trigger call & SMS as per configurations.
- **SET Zone Descriptions**
  At time 8 Zone can configure via SMS
  Zone Name (24 characters length)
- **Read Number, Zone Descriptions, Read Number Configurations, PANEL ARM/DISARM/SIREN MESSAGE**

CONNECTION

GSM 2-WAY COMMUNICATION DEVICE LTE WITH PRE-RECORDED MESSAGES.

V. Installation and Operation

Installation:

1. **Site Preparation:** Ensure the installation site has stable power and appropriate cooling systems. The area should be clean and free from high electromagnetic interference.
2. **Unpacking:** Carefully unpack the device using the included unpacking guide. Verify all components against the parts list.
3. **Setup:** Follow the setup instructions in the provided manual. Connect all cables and power sources as specified.

Operation:

1. **Power On:** When you give 12V to the unit it takes around 50-60 sec to acquire network. Once it acquires network the NET LED stars blinking Slowly at an interval of 3-seconds
2. **Configuration:** You'll haver send the configuration SMS given the manual.
3. **Testing:** Generate an Alert through Modbus and you'll receive an SMS or Call or Both as per the Configuration you set.

VI. Maintenance and Troubleshooting

Maintenance:

- **Routine Checks:** The Modbus provides the network status of the device please refer the manual.

Troubleshooting:

- **Power Issues:** Verify that the power connections are secure and that the device is receiving the correct voltage.
- **Performance Problems:** Check for overheating issues and ensure the device is operating within the recommended temperature range.

Use Cases:

Can Connect with Conventional Fire Alarm Panels

Can Connect with Addressable Fire Alarm Panels

Can Connect with Security Alarm Panels

Can Connect with IBMS System

Can Connect with DVR NVR

Can connect with remote monitoring devices

Secure Vector offers custom on-demand solutions also

Support: For further assistance, contact SECURE VECTOR. Technical Support at securevector21@gmail.com or call 9664998039, 9326838046

VIII. Contact Information

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