Universal GSM Opener
Model: GSM-x31-3L

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INTRODUCTION

The information in this manual is intended as an installation and commissioning guide for the GSM door controlsystem. This manual should be read carefully before the installation commences.
Any damage caused to the equipment due to faulty installations where the information in this manual has not been followed is not the responsibility of New World Security.
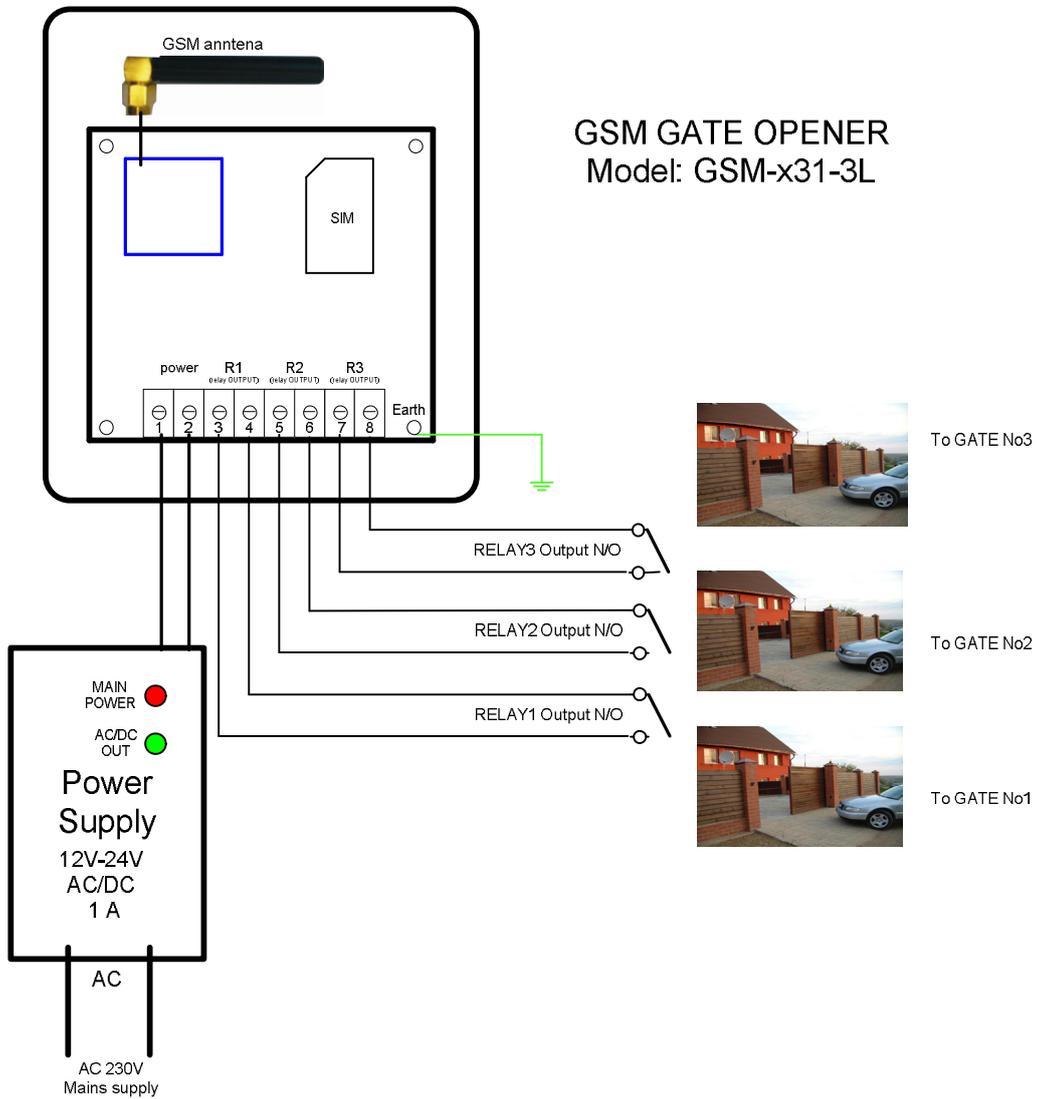
SYSTEM INTRODUCTION

The GSM Gate Opener model: GSM-x31-3Lperfect for secured residential and commercial property, with worldwide remote control from your mobile handset.
GSM-x31-3L can be installed outside the premises on the gate.
To open gate for Pre-programmed Users, just need dial to the gate number,
  this is Free of charge!

SYSTEM FEATURES

* GSM Quad-band GSM/GPRS module for use in Europe and U.S
* 3 RELAY OUTPUTS (OptoMOSFET Relay Output 60VDC 0.1A)
* 3Gate Independent Remote control by SMS (each gate separate)
* Access control by free call for Authorised Users
* Gate open/close by timer (hold open or time delay switch)
* Each User gate access management
* Up to 250 user's optional 500 users
* Automatic call credit control with SMS alert
* Remote system parameters control
* Easy installation and automatic setup
* Add or Delete Users by SMS
* Administratorcan do system remote programming and testing
* LED lights for system status control
* 12-24 V AC/DC volt mains power
* PCB dimensions 75 x65 mm, Weight150 grams

GSM anntena

SIM

GSM GATE OPENER
Model: GSM-x31-3L

power R1 R2 R3
(relay OUTPUT) (relay OUTPUT) (relay OUTPUT)

1 2 3 4 5 6 7 8 Earth

To GATE No3

RELAY3 Output N/O

To GATE No2

RELAY2 Output N/O

To GATE No1

RELAY1 Output N/O

MAIN
POWER

AC/DC
OUT

Power
Supply
12V-24V
AC/DC
1 A

AC

AC 230V
Mains supply

IMPORTANT NOTE ABOUT SIM CARD

When using a pay monthly SIM card you must ask the service provider to put a spend limit on the account (Vodafone call this service 'spend checker'). This is to safeguard against possible problems which could result in a large phone bill at the end of the month. All providers offer this service. You will need to either ring them or e-mail them to set this up. Automatic top ups should also have a monthly limit.

IMPORTANT!

When mounting the GSM antenna, choose a location which is away from human interaction and away from the alarm panel. Route the GSM antenna cable from the GSM unit so that it is separate from the power supply cables always ensure the power is off to the GSM system before inserting or removing the SIM card.
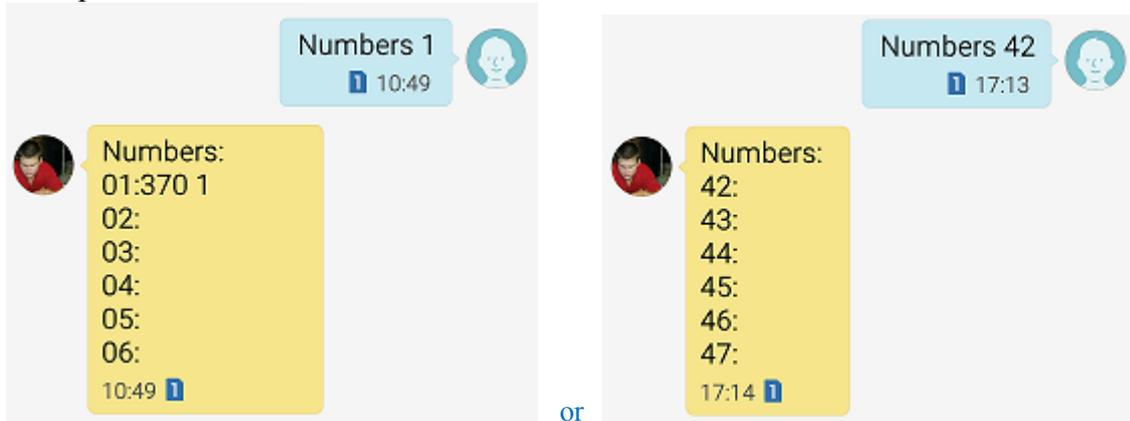
New SIM cards will need registering before they can be used. Full details of how this is done can normally be found in the SIM card pack. It will normally require that the SIM card is inserted into a mobile phone, a number dialled and instructions followed. While the SIM is in the mobile phone it would be a good time to disable any PIN codes, call diverts, ring back and disable features such as voicemail and text alerts. Details of how to do this can be found on the SIM card provider's web site or by calling their customer services. Please use one of the following SIM card providers (Vodafone, TMobile, O2 or Orange). We do not recommend using 3G 4G at this present time.

To make easy Installation, we made smart option on this GSM system and all main programming job, system will do **automatically!**

1. Insert SIM card with disconnected PIN code to GSM System
2. Switch power ON.
3. When READY LED ON, send text SMS **Numbers 1** to the GSM System ,then edit received SMS to add User and gate relay numbers

   Example: *Numbers 1*

or

To get another 6 user numbers, send SMS Numbers 7
        And GSM System will send User Numbers from 6 till 12, or Numbers 42

Comment:
01: Administrator (ADMIN) number can control gate No1, and has the permit: (ADD/DELETE User numbers control Output Relay by SMS)
02:   user number
03:   user number

*Note: All entered symbols are CAPITAL

1.SYSTEM OPERATION

CONTROL Output Relay by SMS

Format SMS to control relay :<Rxxx><xHxxMIN>
Examples:
Relay 1 in 5 minutes: **R1ON 5 MIN**
Relay 2 to 8 hours 26 minutes: **R2ON 8H26MIN**
Relay 3- turn On   **R3ON**
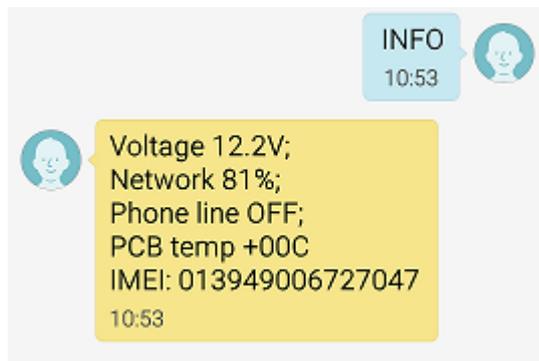*Relay 3- turn Off:*   **R3OFF**

Format answering SMS: <RXxx>
Example: **R1ON**
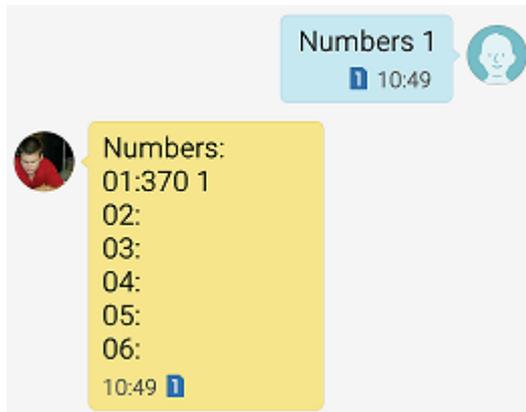Example: **R1OFF**

2.
Example: **INFO**

Response:

3. **Add new user (maximum 250 subscribers including administrator):**
SMS-format to add: **Numbers 1**

Response: **Numbers:**
            01:37060194390 1   (Admin number control gate No1)
            02:
            03: 353863310929 23   (User number control gate No1 and No3)
            04:
            05:
            06:
After edited numbers send SMS back to GSM system

4. **Remove the selected user:**
Format SMS to remove: **Numbers 1**

Response : **Numbers:**
            01:37060194390 1
            02:
            03:
            04:
            05:
            06:

   After deleted number, send edited SMS back to GSM system