

## GSM Controller/GSM Opener



GSM door opener is a GSM switch remote control system which can activate automatic gates with a free call from you mobile phone. The users' phone numbers are programmed into the device by SMS. The device recognizes incoming Caller ID and drop the call before switching. With this system you can authorize up to 99 mobile phones to open the gate at no cost. This system has two models N/O,N/C output

### **Features:**

1. Free charges. the call from authorized number then carry's out the turn ON/OFF
2. Multiple applications. (Gates, bollards, barriers, garage doors, shutters and access doors or machines);
3. Secure - Using caller ID for identification, unknown callers are ignored;
4. Can be operated from anywhere, no distance limit;
5. Add or remove users by SMS Text command;
6. No need to provide a remote control for different users;
7. Up to 99 authorized phone numbers can be configured;
8. One output with relay rating 1A/125V AC, 2A/30V DC for connecting the switch of the door or machines;
9. The relay action will return a SMS confirmation to the user; this function is editable by user;
10. Based on GSM Network, no need any applications.

### **Specifications of the GSM SMS Controller:**

Parameter item	Reference scope
DC Power supply	9~24VDC 2A
Power consumption	12V input Max. 50mA/Average 50mA
Frequency range	Quad band 850/900/1800/1900Mhz(Optional)
SIM Card	Supporting 1.8/3V SIM Card
Antenna	50 $\Omega$ SMA Antenna interface
Temperature range	-20-+60 $^{\circ}$ C
Humidity range	Relative humidity 90% (condensation free)
Relay Output	1, Dry Contact, NC or NO, 2A/30V DC

### **1. How to store the user phone number (total 99 users)**

### 1) Admin phone number setup

Insert the SIM card to the opener, and turn on it, do not operate until the yellow LED lights off and the blue one flash regularly (means the signal good) .

Keep pressing RESET button for 4 seconds, Blue LED indicator light on, call with admin phone to number of the SIM card in less than 20 seconds(Which insert the GSM opener). If save successfully, yellow LED indicators will light on and hang off the call. It will also send SMS to admin (**Save Admin OK**)

**For change the admin number just do same operation above again,the new admin number will be add,and the old one will be remove.**

**Notes: if the gsm controller did not receive any calls in 30s, it will automatically exit setting status.**

**Only admin number can be add by this way ,and add other 98 users**

### 2) How to add 98 users number by SMS

The short message formal for setting (only for admin number): passwords (4 digits)+AD+ phone number (the SMS should be send by admin number)

For example: the initial password is 1234, phone number is 135900000, so input short message as below:

**1234AD135900000**

After operation successfully you will receive a SMS for confirmation

**AD 135900000 OK**

You can use this way to add other users

Notes:

1) Only admin number can receive confirm SMS

2) The initial password is 1234

3) The password only 4 digits

## 2. How to Delete User Number

1) Input SMS: 4 numbers for password+ DD +TEL NUMBER

Example: The host's password is 1234. If you want to delete the user number "135900000",

Send SMS: **1234DD135900000**

After operation successfully, admin and you will receive a SMS for confirmation

**DD 135900000 OK**

2), For Delete all user number

Send SMS: **1234FD**

After operation successfully admin will receive a SMS for confirmation

**FD OK**

## 3. How to Change Password by SMS

The short message formal for change password (only for admin number): old passwords (4 digits)+CP +New Password

**Example:** The default password is 1234, if you want to set 8888 as the new password,

Send SMS:

**1234CP8888**

After operation successfully you will receive a SMS for confirmation

**PASS CHANGE**

## 4. Setting Require

For check how many user number have been store, password, and relay output model:

Send SMS “**CHK**” to GSM controller, you will receive a SMS for system status as following:

**Password: 8888**

**22 Free Memory**

## 5. ON/OFF Relay Output Setting

You can choose the relay for on/off model at this mode.

**Send text SMS “1234ON” to opener ,after received SMS, the yellow LED indicator will on, and opener will reply you a message TURN ON!**

**Send text SMS “1234OF” to opener, after received SMS, opener will reply you a message “TURN OFF” , the yellow LED indicator will off.**

## 6. Recover factory setting

Keep pressing the reset button until the yellow light turn off, the system would recover factory setting.

(Clear telephone numbers, vocal alarm, alarm sounds, cancel alarm, ect.)