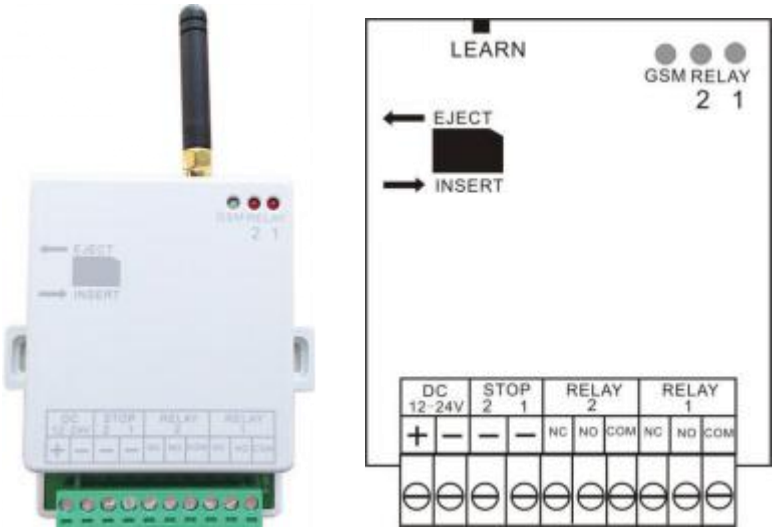
Two Channel GSM Controller/GSM Opener



INPUT TRIGGERS

The input triggers activate both Relay 1 and Relay 2 whenever either of the input s are subject to a low ground contact and the function mode is mirrored to whatever programing mode has set.

OUTPUT RELAYS

The output relays are 20 amp rated at 110 Volts and 16 amps rated at 230 Volts and with normally open/closed contacts.

SIM CARD

The SIM CARD used would be a 3G compatible network card of which accepts all global networks and always ensure the voice mail and pin request has been disabled

GETTING STARTED VIA GSM

First ensure that the Sim Card installed has had the voice mail and pin code request disabled and that it is a valid 3G compatible Network Card and has enough credit to confirm the set up and operational functions of the system.

Once the Sim Card has been installed and the unit powered up the LED lights will oscillate infrequently until the network LED flashes every few seconds continually and the system is now on line and can be programmed.

DEFAULT ADMIN AND USER CONTROL PASSWORDS

The system is controlled via 2 separate password modes, one as the master password and another password that allows authorized users to access the system and send SMS commands to latch the relays.

MASTER DEFAULT ADMIN PASSWORD IS 888888

This password is used to add or delete user authorized numbers and the change the system control parameters

CONTROL DEFAULT PASSWORD IS 1234

This password is used by the authorized user numbers to control the system via SMS Messaging.

The user can also check the user password, mode setting and available memory available in the system

ADDING THE MASTER ADMIN NUMBER VIA A PHONE CALL

To add the master admin number via a voice call you would hold down the RESET button for 5 SECONDS and the NETWORK LED will remain permanently ON

You now call the telephone number of the unit and it will respond and reject the call and you will receive a confirmation S.M.S message as:

Save Admin OK

That number is now the MASTER ADMIN NUMBER

ADDING THE MASTER ADMIN NUMBER VIA SMS MESSAGE

To add the master admin number via SMS you would send the following SMS message to the unit assuming the number to be 12223334444 as.

888888Admin12223334444# and you will receive an SMS confirmation message as.12223334444 SET OK

CHANGING MASTER ADMIN NUMBER

The default master control password is 888888 and to change this master admin password you would send the following SMS message assuming the new password to be 121212 as.

888888PASSWORD121212 and receive an SMS confirmation as.
Save Admin OK

CHANGING DEFAULT USER CONTROL PASSWORD

The default control password is 1234 and allows the authorized uses to control the system via SMS messages and the Master administrator can change this password as follows assuming the new password to be 4321 as.

888888CP4321 and receive an SMS confirmation as.

CP:4321

CHECKING ADMIN PASSWORD AND SETTINGS BY THE ADMINISTRATOR

If you require to confirm the Passwords and the settings of the system the master or user can send the following SMS message to the unit as.

CHK and receive the following similar SMS confirmations as:

MODE A
USER PASSWORD4321
MASTER PASSWORD 888888
FREE MEMORY 1000

CHECKING USER PASSWORD AND SETTINGS BY ANY AUTHORISED USER

MODE A
USER PASSWORD4321
FREE MEMORY 1000
User can only access the user control password and settings

ADDING USER NUMBERS VIA VOICE CALL

It is possible to add the 3000 users numbers by setting the unit into learn mode and the users can then just call the unit consecutively and the numbers will be stored in the order the unit is called.

SETTING THE UNIT TO USER LEARN MODE

To set the unit to user learn mode you would send the following SMS message as.

888888ADD ON and receive the following SMS confirmation as

ADD ON

Each new user can now call the unit and the call will be rejected, the number stored and the new user will receive the following similar SMS confirmation as;

ADD 13002345678 OK

The user learn mode will automatically time out after 30 seconds of non-activity and reset to default mode.

The unit cannot perform any functions whilst the system is in the user learning mode.

SWITCHING OFF THE USER LEARN MODE VIA SMS

It is possible to switch off the user learning mode by sending the following SMS Message as

888888ADD OFF and receive the following SMS confirmation as:

ADD OFF

ADDING USER NUMBERS VIA SMS

It is possible to add up to 8 user numbers in one SMS message using the following format as:

888888AD111111111#2222222222#3333333333#4444444444#5555555555#6666666666#7777777777#888888888#

and receive the following SMS confirmation as:

AD1111111111#2222222222#3333333333#4444444444#5555555555#6666666666#7777777777#8888888888#

DELETING USER NUMBERS VIA SMS

To delete user numbers via SMS you would use the following SMS message format as:

888888DD11111111111#22222222222# and receive the following SMS confirmation as.

DD11111111111#222222222222#

DELETING THE COMPLETE USER LIST

You can delete the complete user list by sending the following SMS message as:

888888FD and receive the following SMS message as:

FD OK

SETTING RESTRICTIONS ON CERTAIN USERS

It is possible to restrict certain users from using and accessing the system after a preset number of use based on 1 access call up to 250 access calls.

To set the restriction of a number to 30 access calls you would send the following SMS to the unit as:

888888Number11111111111*030# and receive the following SMS confirmation as:Number11111111111*030#

The system has two output relays and 6 output modes from MA to MF and each mode performs different functions

MODE FUNCTION A

Mode A is the factory default mode and only operates relay 1 via voice call for 1-99999 Seconds.

To set Mode A to activate relay 1 for a period of 10 seconds you would send the following SMS message as:

888888MA10# and receive the following SMS confirmation as

MA 00010 OK

Relay one will latch for 10 seconds whenever the unit is called by the administrator or user!

ACTIVATING RELAY 1 VIA SMS MESSAGE.

It is possible to activate the Relay 1 via SMS be sending the following SMS message as:

1234CALL and the Relay 1 will activate for the preset latching time and send a confirmation SMS as;

OUT1 ON

MODE B FUNCTIONS

Mode B only activates Relay 1 and allows you to flip flop the relay on and off with alternative telephone calls from the administrator or users.

One telephone call latches the relay 1 permanently on and the next telephone call latches the relay 1 permanently off.

You can also choose to receive SMS confirmations of the status off the relay or choose not to receive SMS confirmations.

To set Mode B and receive SMS confirmations you would send the following SMS as:

888888MB1# and receive the following SMS confirmation as:

MB1# OK

When you call the unit the Relay 1 will latch permanently on and you will receive a SMS confirmation as:

OUT1 ON

When you call the unit again Relay 1 will latch off and you will receive a SMS confirmation as;

OUT1 OFF

USING MODE B VIA SMS MESSAGING

You can also latch the Relay off via SMS by sending the following SMS message as:

1234CALL and the relay will latch ON with the first SMS and you will receive a confirmation SMS as:

OUT1 ON

You can now latch the Relay 1 OFF by sending the following SMS message as:

1234CALL and the relay will latch OFF and you will receive a confirmation SMS as: OUT1 OFF

To set Mode B and receive not receive SMS confirmations you would send the following SMS as:

888888MB0# and receive the following SMS confirmation as:

MB0# OK

Whenever you call the unit the relay 1 will latch on and off consecutively and you will not receive any SMS confirmations.

In this mode you can still latch relay 1 ON and OFF via the SMS message as 1234CALL and receive the SMS confirmations as:

OUT 1 ON and OUT1 OFF

MODE C FUNCTIONS

Mode C allows you to set both relay 1 and relay 2 latching periods from 1-99999 seconds and latch each relay with alternative telephone calls.

To set the latching period for 10 seconds you would send the following SMS as:

888888MC10# and receive the following SMS confirmation as:

MC 00010 OK

Now each alternative telephone call will latch relay 1 and relay 2 for 10 seconds and you will receive SMS confirmations as OUT1 ON and OUT2 ON.

In this mode you can also latch both relay 1 and 2 via SMS using the SMS format as 1234CALL

One SMS sent as 1234CALL will latch relay 1 on for the period of the preset 10 seconds and a confirmation SMS as OUT1 ON

The next SMS sent as 1234CALL will latch relay 2 on for the period of the preset 10 seconds and a confirmation SMS as OUT2 ON

MODE D FUNCTIONS

Mode D allows to alternate relay 1 to be permanently on with relay 2 permanently off and an alternative telephone call to latch relay 2 permanently on and relay 1 prominently off.

You can also choose to have confirmation SMS messages as OUT1 ON & OUT2 ON whenever relay 1 and 2 are activated.

To set Mode D with SMS confirmations you would send the following SMS message as:

888888MD1# and receive the following SMS confirmation as:MD1# OK

To set Mode D without any SMS confirmations you would send the following SMS message as:

888888MD0# and receive the following SMS confirmation as: MD0# OK

You can also in this Mode D latch both relays alternatively via SMS using the SMS format as 1234CALL and receive SMS confirmations as OUT1 ON and OUT2 ON

MODE E FUNCTIONS

Mode E allows you to use the 2 trigger inputs to activate both relays and choose to receive or not receive SMS confirmations.

This mode also allows you to activate the two trigger inputs that can operate both relay 1 and relay 2

To set mode E with SMS confirmations you would send the following SMS message as:

888888ME1# and receive the following SMS confirmation as:

ME1# OK

To set Mode E without SMS confirmations you would send the following SMS message as:

888888ME0# and receive the following SMS confirmation as:

ME0# OK

In this mode trigger Input 1 will activate relay 1 when a negative trigger is applied to that input

In this mode trigger input 2 will activate relay 2 when a negative trigger is applied to that input.

MODE F FUNCTIONS

Mode F sets the trigger period that both relay 1 and relay 2 can be latched using the following SMS commands as:

You first set the latching period from 1-99999 seconds and this is done by sending the following SMS message assuming the latching time to be 60 seconds as:

1234DELAY00060# and you will receive the following SMS confirmation as:

DELAY 00060 OK

You can now latch relay 1 and relay 2 using the following SMS messages as

1234ON1# latches relay 1 ON for 60 seconds and sends SMS confirmation as OUT1 ON OK

1234OFF1# latches relay OFF and sends SMS confirmation as OUT1 OFF OK

1234ON2# latches relay 2 ON for 60 seconds and sends SMS confirmation as OUT2 ON OK

1234OFF2# latches relay OFF and sends SMS confirmation as OUT2 OFF OK

1234OFF12# latches both relay 1 and relay 2 OFF

RESETING THE SYSTEM TO FACTORY DEFAULT

To reset the system to factory default you would hold down the RESET button for 10 seconds until all 3 LEDS flash together for three times and the system has been returned to factory default.

SETTING UNIQUE ADMINISTRATOR NUMBERS TO RECEIVE SMS ALERTS

Only the Main Administrator can add the unique authorized numbers that are the receive the SMS alerts

The system can be set to allow any number of authorized users to receive SMS alerts whenever any of the Function Modes are activated.

These authorized numbers, when programmed into the system ignore any other user request that may have selected not to receive the SMS alerts in the normal mode settings.

This function is deactivated as factory default.

To enter these unique authorized numbers you would use the following format as;

888888SMS1#TELEPHONE NUMBER*TELEPHONE NUMBER*TELEPHONE NUMBER#

You can add up to five (5) telephone numbers in one SMS command and always end the command prompt with a #

To remove any of these numbers you would use the following format as:

888888SMS0#TELEPHONE NUMBER*TELEPHONE NUMBER*TELEPHONE NUMBER#

You can delete up to five (5) telephone numbers in one SMS command that can receive these SMS alert's and always end the command prompt with a #

RESETING THE SYSTEM TO FACTORY DEFAULT

To reset the system to factory default you would hold down the RESET button for 10 seconds until all 3 LEDS flash together for three times and the system has been returned to factory default.