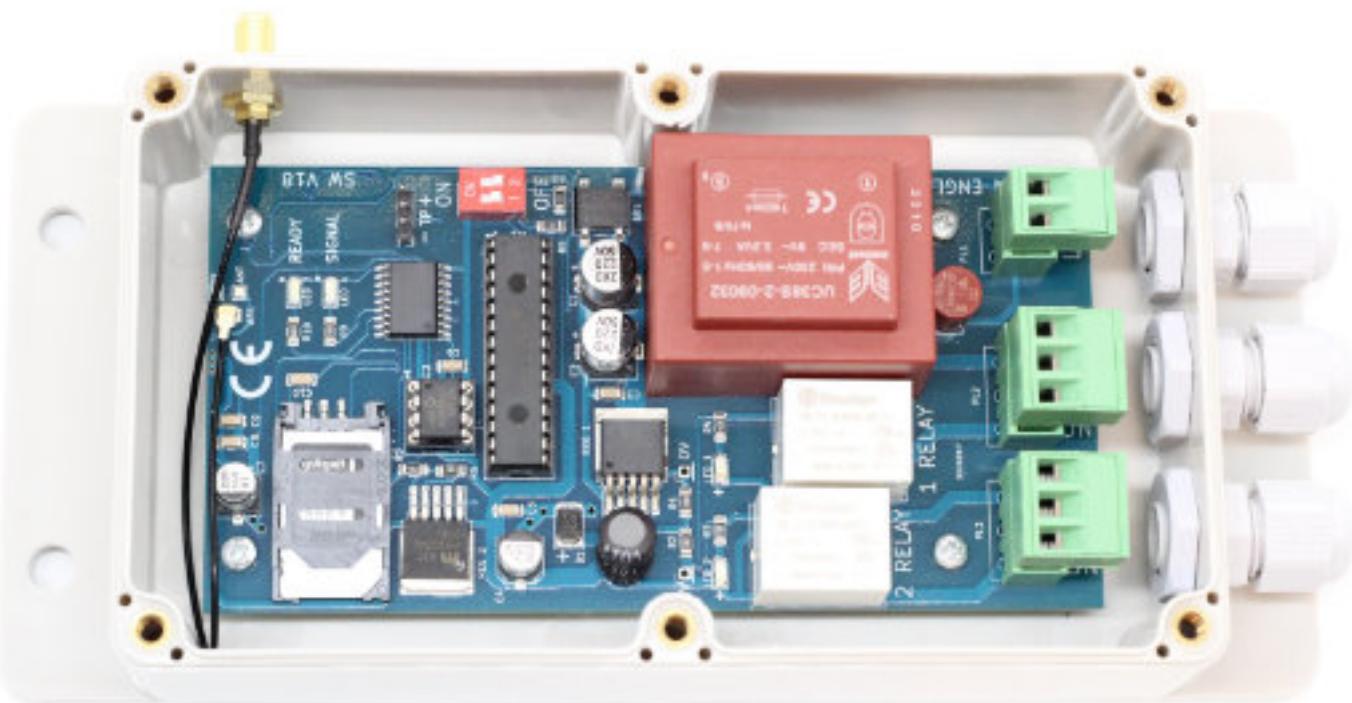




GSM 2G/4G  
ROLLER SHUTTER  
240V



## Product Information

The GSM Roller Shutter/Opener incorporates a professional industrial grade GSM engine that receives calls at its SIM number as any ordinary mobile phone. The system operates in the GSM module quad-band frequency 850/900/1800/1900Mhz,

Just to give an example, if your SIM has a phone number 07123456789, that is the number you have to call to open the shutter door. The system has a memory where you will store the numbers of people enabled to open your shutter (up to 200).

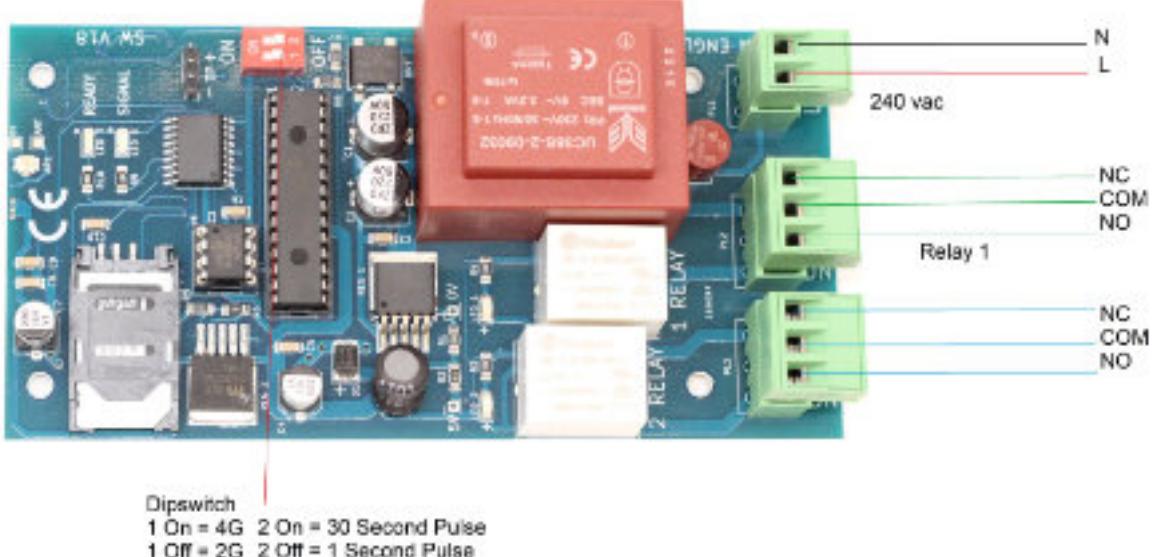
When the Roller Shutter/Opener receives a call it will check the calling number and if the number is in the prepared list it will answer the call. You then use your telephone keypad to open and close the roller shutter.

The advantages of this over other systems are that you do not have to leave your car to open the shutter therefore, avoiding weather or safety issues. Furthermore, you do not need to carry a separate remote device or indeed replace it if it were to be lost.

### Specification

- Simply Dial the Simcard Number to Open the Shutter Door.
- Phone List for Added Security up to 200 Stored Numbers.
- Text for Signal Strength.
- Call and Use Phone Keypad to Open or Close the Shutter
- Antenna Supplied.
- Sim Active Function
- Dimensions - L150 x W90 x H45mm
- Dimensions - L125 x W67mm
- INPUT 240VAC
- Output Relays are 10 AMP N/O or N/C Volt Free
- Quadband Frequency - 850/900/1800/1900Mhz
- 4G Bands : B1 -B5, B7 - B8, B12 - B14, B18 - B20, B25 , B26, B28 , B66, B71

# INSTRUCTIONS



## IMPORTANT - PLEASE READ

Please make sure you disconnect the power when you fit the simcard. Unlock the simcard Holder by using square gap and pushing downwards and then slide in the simcard, making sure that the clipped corner of the simcard is downwards to the board, and then lock back into place .

Connect 240 volts to the input connector as per figure 1. Once the power has been applied the blue network LED will flash once every second. Once a signal has been found the green LED will come on and stay on, indicating that the unit is now ready for use.

1. Firstly, please register and put credit on the simcard. Follow the instructions given by your simcard provider.
2. Insert the simcard into a mobile phone and disable the voicemail using the codes below.

Vodafone call 1210      Tesco call 2915  
T-Mobile call 222      O2 call 1760

Orange call 4502      GiffGaff call 1626

E - Send the text message VM OFF to 150

## Signal Strength

To help make sure that you place the unit in a suitable position you can text the unit to see how much signal the unit is receiving. Simply text the command

**#SIGNAL#**

The unit will perform a test on the signal strength

You will receive a text telling you the signal strength score between 0-30. We strongly recommend that you place the unit where you will receive a score of at least 10. You will find that a signal score of less than 10 will make the unit unreliable.

2G or 4G

The Roller Shutter Opener can work on both 2G and 4G networks depending on which model you have. You can choose which network the unit will use at the start up using the following dipswitch settings

Dipswitch 1 OFF = Connects to 2G

Dipswitch 1 ON =Connects to 4G

We strongly recommend checking the signal strength on 2G and 4G and using which has the highest signal strength score. The signal strength should be at least a score of 10 for reliability.

## How to program the roller shutter opener.

### Text message entry

The unit has a caller ID function so only authorised numbers you store can activate the unit. If caller ID is left OFF anyone phoning the units number can operate the relays.

To turn caller ID on send the text message      **#ID=ON#**

To turn caller ID off send the text message      **#ID=OFF#**

The unit will reply Caller ID On or Caller ID Off

### Using Caller ID

To use caller ID you must first enter the telephone numbers that are authorized to use the Roller Shutter Opener.

Once you have followed the steps from Page 3 and have inserted your simcard into the Roller Shutter opener you will receive a steady **green** light. This indicates that you have a mobile signal.

You will now need to send a text with the contact numbers.

Example: **(Hash) (WHL) (Equals) (phone number) (hash)**

To avoid confusion we have colour coded the hash **(#)** and the equal **(=)** symbols.

Example:

**#WHL=07123456789#**    Then send this as a text to the simcard

### **IMPORTANT - PLEASE READ**

Please note, you can only send one number at a time (Max 200 numbers). Please send the text message and wait for the Roller Shutter to respond with the text acknowledgement "STORED" before you try to send another number via the text entry.

If you wish to cancel a number follow this example.

**(Hash) (delete) (Equals) (NUMBER) (Hash)**

**#Delete=07123456789#**    Deletes the stored number

Please make sure you have credit on your simcard to receive the text acknowledgment. It may take a time to receive a text acknowledgement. This depends upon how busy your telephone network is.

## How to Use the Roller Shutter Opener

Depending on your roller shutter control board, you may need a short pulse or a long pulse to operate your roller shutter. You can select the pulse setting by using Dipswitch 2 on the board - refer to picture on Page 3

Dipswitch 2 On = 30 second pulse  
Dipswitch 2 Off - 1 second pulse

### Short Pulse Relay (1 sec) - (Dipswitch 2 Off)

Using your mobile phone or landline, dial the simcard number within the unit. You will hear two ring tones. The unit will then answer the call. Once the call is open you can use the keypad on your phone to operate the device.

Press key 1 - Relay 1 will pulse for 1 second  
Press key 2 - Relay 2 will pulse for 1 second  
Pressing key 3 will cancel the command and stop the shutter.

We recommend connecting relay 1 to OPEN/UP and relay 2 to CLOSE/DOWN on your roller shutter control board.

When you press 1 you will hear a fast dialling tone.

When you press 2 you will hear a slower dialling tone.

If you need the shutter to stop, press 1 or 2 will will stop the movement (dependent on your roller shutter control board)

Please view the diagram on page 6 for wiring information.

### Long Pulse Relay (30 secs) - Deadmans Button (Dipswitch 2 On)

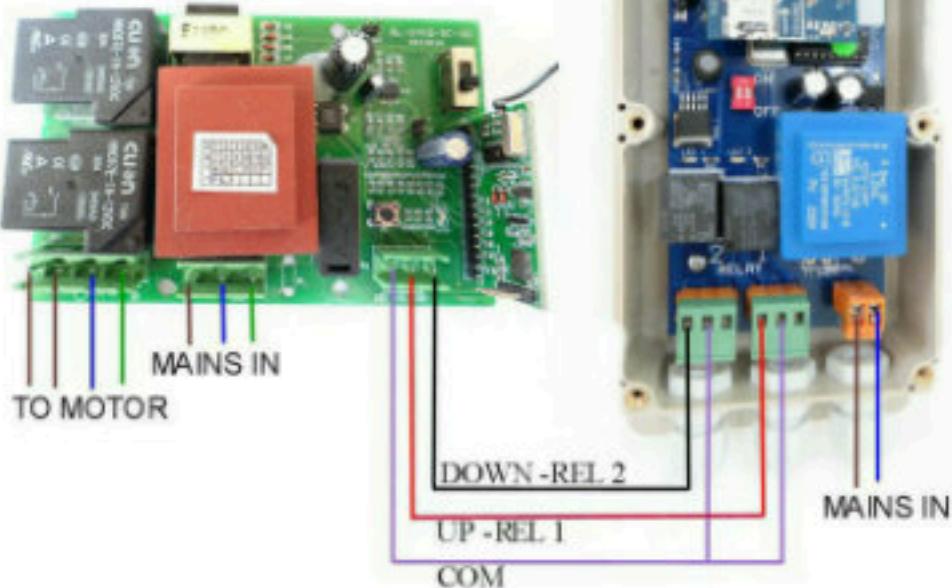
This function is used for roller shutter control boards whereby you need to manually hold the button to open or close the roller shutter. Pressing the button will hold the relay on for 30 seconds. To cancel the command and stop the opening/closing operation you will need to press 3 key on your phone.

Pressing key 1 will cause relay 1 to pulse to open for 30 seconds  
Pressing key 2 will cause relay 2 to pulse to close for 30 seconds  
Pressing key 3 will cancel the command and stop the shutter.

### Factory Reset

To perform a quick factory reset which will delete ALL of your stored numbers please send the text command

Typical wiring for a roller shutter door



Using your mobile or landline phone, dial the simcard number, you will hear 2 ring tones, the unit will then answer the call. Once the call is open you can then use the keypad on your phone to operate the device.

Pressing key number 1 will cause relay 1 to pulse.

Pressing key number 2 will cause relay 2 to pulse.

Pressing key number 3 will cause relay 1&2 to stop.



## Quick Reference

SEND TEXT	OPERATION	ACKNOWLEDGMENT
#WHL=NUMBER#	Stores Number	Number Stored
#DEL=NUMBER#	Deletes Number	Number Deleted
#RESET#	Resets to Factory Settings	
#ID=ON#	Sets Caller ID to ON	ID = ON
#ID=OFF#	Sets Caller ID to OFF	ID = OFF
#SIGNAL#	Gives Signal Strength	Score 1-30

For more technical support please browse the FAQ's on our website [www.gsm-activate.co.uk](http://www.gsm-activate.co.uk)  
Alternatively email our technical support team at [technical@gsm-activate.co.uk](mailto:technical@gsm-activate.co.uk) and we will  
do our best to reply within 24 hours Monday - Friday.