G.S.M ACTIVATE

2G & 3G
GSM Door Contact Alarm

www.gsm-activate.co.uk

DOOR CONTACT   GSM PORTABLE ALARM MODULE   MOBILE PHONE

MODEL   RF - PIR

Product Information

Our 2G/3G GSM Door Contact Alarm is a standalone alarm system for smaller rooms inside properties. It will alert you using GSM technology by sending you a text message and/or phone call to your mobile phone or landline when the sensor has been broken alerting you to a possible intrusion.

The unit is enclosed in a IP65 rated box which means it is perfectly weathered for outside installation and has passed testing in high temperature as well as below freezing temperatures.
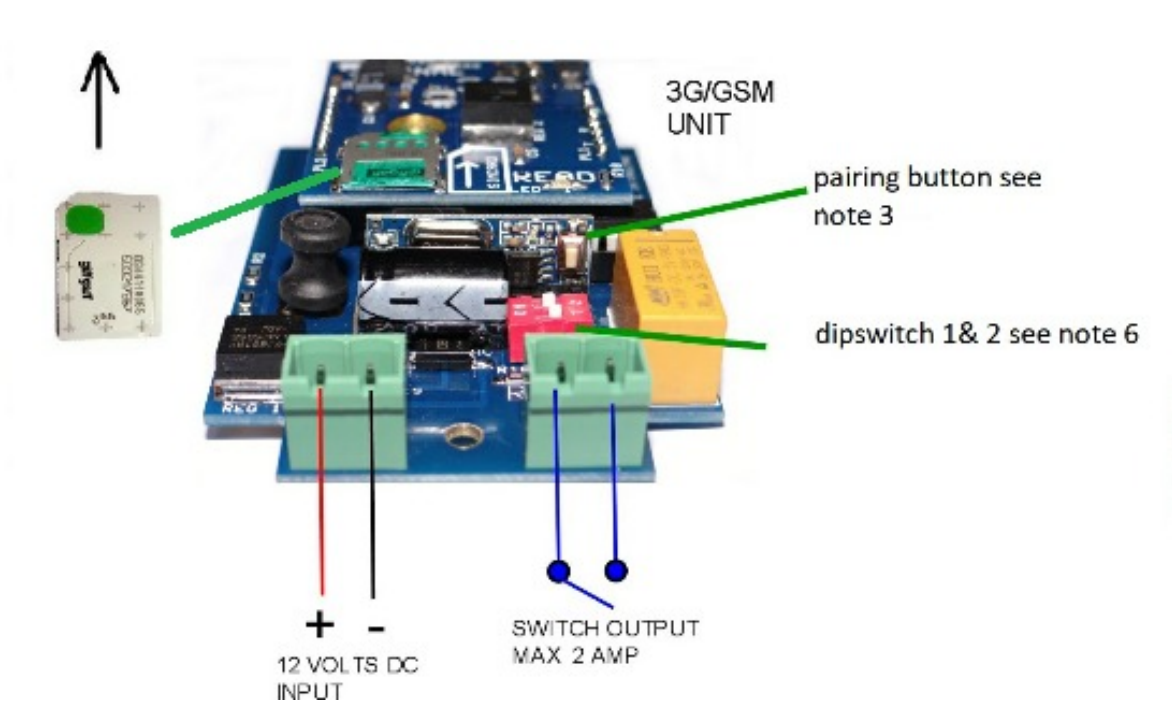
GSM Module Specification

● GSM Frequesncy: Quadband freq 850/900/1800/1900/ 3G Model 2100Mhz

● Power Supply Voltage: 9 - 24 volts DC - 1 Amp Min

● Current used in standby mode: 60mA Max

● IP 65 Enclosure rating for outside installation

● Micro 2G or 3G Simcard

● No landline required

● Dimensions - L100 x W68 x H50mm

● Dimensions PCB Only - L95 x W67mm

● Sim Active Function

● Operating Temperature: -10…+40 °C

● Programmed by text message

● Text to test signal strength

PIR Specification

● Alert Distance : 25-35mm seperation

● Detection: Dual function, magnetic door and emergency switch

● Battery Life : 6 Months

● Dimensions - L60xW32xH13mm

● Wireless Range - 20 Meters

Instructions

Slide the simcard into the holder making sure that the clipped corner of the simcard lines up with the clipped corner of the simcard holder as seen in the picture above.

IMPORTANT - PLEASE READ

PLEASE MAKE SURE YOU DISCONNECT THE POWER WHEN YOU FIT THE SIM CARD THEN PLACE THE SIM CARD IN WITH THE CLIPPED CORNER FACING UPWARDS.

PLEASE SEE PICTURE ABOVE.

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 strength the detector is receiving by texting the command #SIGNAL#

The detector will perform a test on the signal strength.

You will receive a text confirming the signal strength between 0 up to 30. We strongly recommend that you place the unit where it can receive a signal of at least 10.

You will find that with a score of less than 10 the unit will be unreliable.

How to Programme Mobile Numbers

After inserting the simcard into the GSM module, turn the unit on and wait until you see the GREEN LED is on. This indicates that the module has a signal and the unit is ready for use.

Please Note - To avoid confusion we have colour coded the hash (#) and the equals (=) symbols.

Example: (hash) (1,2 or 3) (equals) (phone number) (hash)

To programme mobile numbers into the unit you will need to send a text with the contact numbers (maximum 3 numbers)

Example

#1=07123456789#   Then send this as a text to the simcard in the unit (with your preferred mobile number)

#2=07123456789#   Then send this as a text to the simcard in the unit (with your preferred mobile number for second contact)

#3=07123456789#   Then send this as a text to the simcard in the unit (with your preferred mobile number for third contact)

If you wish to cancel a number, follow this example

Example: (HASH) (1,2 or 3) (EQUALS) (DELETE) (HASH)

#1=DELETE#   Then send this as a text to the simcard number of your unit.

PLEASE NOTE

Please send one message at a time and wait for the GSM detector to send you back the text acknowledgement 'NUMBER STORED' before you try to add the next number.

Below is a notepad to help you remember the numbers that you have saved to your unit in the event you need to modify or delete in the future.

#1=_____ #

#2= _____#

#3=_____ #

How to programme the SMS text message

You can now change the alarm message from "input detected" to one of your own choice.

To change the message send the text command as follows

#MESS=YOUR MESSAGE#

The detector will reply with a text message - MESSAGE STORED

PLEASE NOTE

You can only use a maximum of 19 characters including spaces for your customised message.

Telephone Call Alerts

The Door Contact Alarm can be programmed to send you a telephone call after each text alarm has been sent.

You will receive approximately three ring tones. The unit will then hang up automatically. This is to prevent call charges being incurred.

To text call alerts to ON please send the text message

#CALL=ON#

The unit will reply back with the message - CALL ON

To disarm call alerts please send the text message.

#CALL=OFF#

If the call function has been set to ON you will receive a text message and shortly after a phone call.

How to use the 2G/3G Door Contact Alarm

Once you have positioned the door contact, the system is now ready to use.

The GSM Door Contact Alarm has two modes, Alarm Mode and Auto Mode.

In alarm mode, you have to arm your alarm manually when required.

In auto mode, the alarm is always armed.

You should choose the mode most suitable to your application.

Your can select the mode you require by sending the text message to the unit as follows:

#Mode=1#   Alarm Mode (default)

#Mode=2#   Auto Mode

Mode 1 - Alarm Mode: #mode=1#

Alarm mode is the default mode. You will need to set the alarm to ON before it detects movement and sends an alarm message.

To set the alarm to ON you will need to send the text message

#ALARM=ON#   This will activate the alarm.

#ALARM=OFF#   This will deactivate the alarm

It is important to remember that when the alarm has been triggered you will need to reset the alarm by sending the text message #ALARM=ON# each time.

Mode 2 - Auto Mode: #mode=2#

The alarm is always armed and will trigger when movement is detected. The alarm will automatically reset back into armed mode after 20 seconds when no movement is detected.

How to use the relay output

(Dipswitch 2= OFF) ref page 3

The 3G Auto Dialler has a 2 amp relay output which can be used to switch on external electric devices such as lighting, sirens etc

By texting the unit you can turn the relay ON or OFF, Below are examples on how to do this.

#REL=ON#   This will turn the relay output ON

#REL=OFF#   This will turn the relay output OFF

After each operation the unit will reply with a status report REL ON/OFF

(Dipswitch 2 = ON) ref page 3

The relay can also be setup to pulse for 20 seconds when the inputs have been triggered. To activate this mode you need to set DIPSWITCH 2 ON - ref page 3
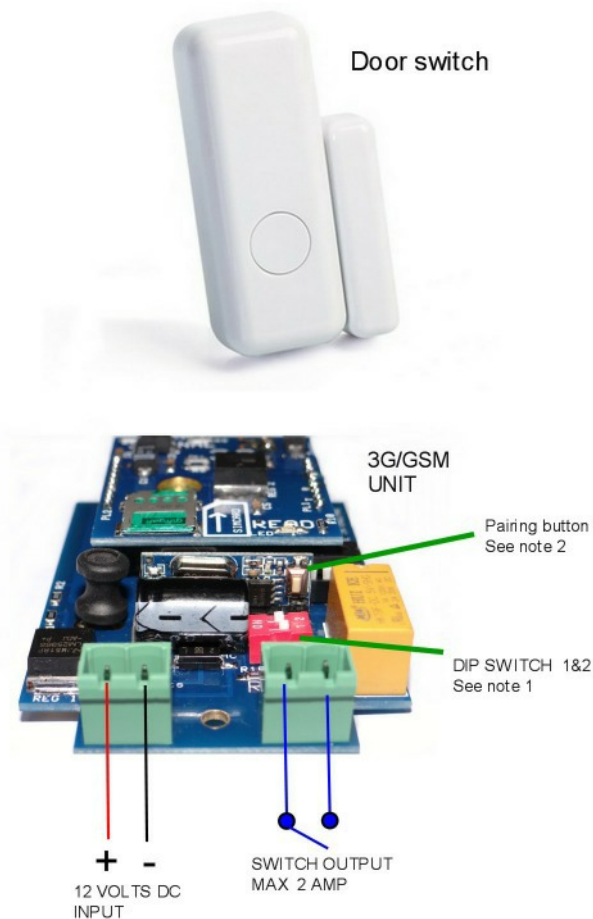
This can be used to trigger a siren or reset other equipment.

Pairing the Wireless Door Sensors

To connect wireless door sensors you will need to go through a process so that the devices are matched to the receiver on the dialler.

1. Hold down the pairing button on the RF Module for 3 seconds (refer to figure 1)

2. Trigger the door switch

3. The RF module has a RED LED which will flash when pairing in complete.

Figure 1

Door switch

3G/GSM UNIT

Pairing button
See note 2

DIP SWITCH 1&2
See note 1

+ -
12 VOLTS DC
INPUT

SWITCH OUTPUT
MAX 2 AMP

Quick Reference

Send Text	Operation	Acknowledgmemt		
#MODE=1#	Selects Alarm Mode	Relay Off	Default	
#MODE=2#	Selects Auto Mode	Relay On		
#REL=OFF#	Turn Relay Output Off	Relay Off		
#REL=ON#	Turn Relay Output On	Relay On		
#MESS=MAX19CHARACTER#	Stores a custom message for alarm	Message Stored		
#SIGNAL#	Gives a Signal Strenth Test	Score of 1-30		
#1=NUMBER#	Saves Contact Number 1	Number Stored		
#2=NUMBER#	Saves Contact Number 2	Number Stored		
#3=NUMBER#	Saves Contact Number 3	Number Stored		
#1=DELETE#	Deletes Contact Number 1	Number Deleted		
#2=DELETE#	Deletes Contact Number 2	Number Deleted		
#3=DELETE#	Deletes Contact Number 3	Number Deleted		
#ALARM=ON#	Sets Alarm to On	Alarm On		
#ALARM=OFF#	Sets Alarm to Off	Alarm Off	Default	
#CALL=ON#	Switches Text & Call Alerts on	Call on		
#CALL=OFF#	Text Alerts Only	Call off	Default	

FACTORY RESET

To set the unit back to factory settings you will need to send a text message #RESET#

Please Note - doing this will reset ALL of your parameters. Only send a reset command when necessary.

The GREEN ready LED will flash eight times.

Dipswitch Settings

Dipswitch 1 =   ON = 3G Selected

                               OFF = 2G Selected

Dipswitch 2 =   ON = Pulse Relay (20 seconds)

                               OFF = Pulse Relay Off

For more technical support please browse the FAQ's on our website www.gsm-activate.co.uk

Alternatively email our technical support team at technical@gsm-activate.co.uk and we will do our best to respond to your query within 24 hours Monday- Friday.