G.S.M ACTIVATE

GSM 2G / 4G BATTERY POWERED AUTO DIALLER

MODEL NUMBER 2G/4G BATT-AA

MADE IN BRITAIN

Product Information

Our GSM Battery Powered Auto Dialler is a monitoring unit that can be used in locations without power to alert the end users of various events by text (sms) and telephone calls. The unit runs from a 3 x AA size batteries will last around a year (or up to 30 alerts) before needing to be recharged.
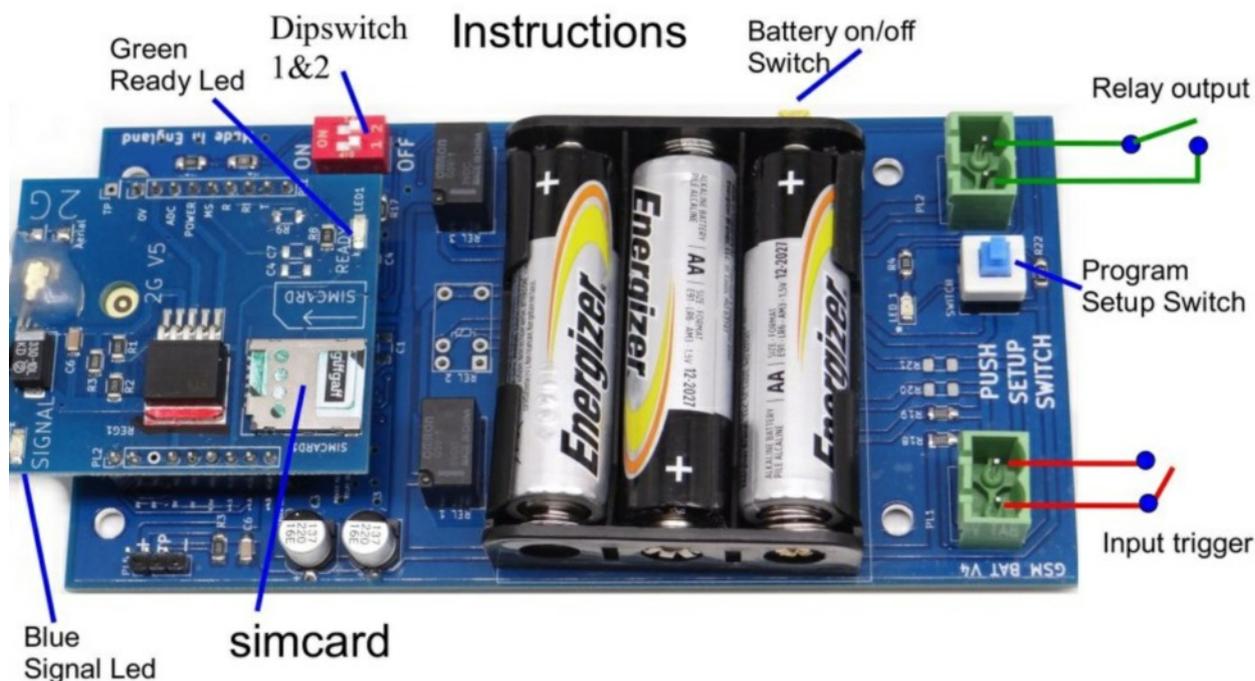
This can prove to be very useful in a variety of situations. You could attach it to a door switch or PIR to create a battery powered alarm. Other examples of how it can be useful is to attach it to a float switch for pump and oil theft applications. All the unit needs to trigger the phone call is a switch receiver across the input.

Our GSM Battery Powered Auto Dialler is available in both 2G and 3G models. This allows it to be used world wide and we frequently ship models all over Europe, USA and Australia with excellent feedback. The unit is also enclosed in an IP65 rated enclosure which means it is perfectly weathered for outside installation and has passed testing in high heats and below freezing conditions.

Specification

- GSM Frequency: Quadband freq 850/900/1800/1900/

- Micro 2G simcard

- Powered by a stand alone rechargeable battery

- Battery shelf life: 5 years

- 3 x AA Battery

- Battery Level Monitoring

- 1 x Switch input (open circuit)

- 1 x output relay - 1 Amp Load COM + N/O

- 3 Contact Numbers

- Call and SMS Text Alerts

- Customisable SMS Alert Message - Max 19 Characters

- Text for Signal Strength

- Dimensions - L150 x W90 x H45mm

- Dimensions PCB Only - L133 x W67mm

- Operating Temperature: -10…+40°C

Please make sure you disconnect the power when you fit the simcard. Then 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 image above.

How To Program The Unit

1. Turn ON the battery switch

2. Hold down the setup switch for 4 seconds (RED LED will come on) This will start the boot up procedure. A BLUE LED will come on and flash whilst it searches for a network signal. When the unit has connected to the mobile network the GREEN ready LED will come on. The system is now ready to send the text commands for programming.

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 dialler is receiving by texting the command #SIGNAL#

The dialler will perform a test on the signal strength.

You will receive a text telling you a signal strength score between 0 up to 30 we strongly recommend that you place the unit where you can receive a signal strength score of at least 10. You will find that with a score of less than 10 the unit will be unreliable.

Please Note

For ease of use, we have colour coordinated the # (hash) and = (equals) symbols.

Programming Contact Numbers

You can programme up to 3 numbers by sending an SMS to the simcard number placed in the unit. Please follow the command examples below.

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

#1=07123456789#   Send this as a text to the simcard number in the unit for contact 1

#2=07123456789#   Send this as a text to the simcard number in the unit for contact 2

#3=07123456789#   Send this as a text to the simcard number in the unit for contact 3

The unit will reply with the text message 'number stored'

If you wish to cancel a number follow this example

Example: (hash) (1,2 or 3) (equals) (DELETE) (hash)

#1=delete#   Send this to as a text to the simcard number in the unit to DELETE the contact.

The unit will reply wit the message "NUMBER DELETED"

Programming Contact Numbers

You can now programme up to 3 numbers by sending a text message to the simcard within the unit. Please follow the command example below.

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

#1=07123456789#   Send this as a text message to the unit to save contact number 1

#2=07234567891#   Send this as a text message to the unit to save contact number 2

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

#1=_____#

#2=_____#

#3=_____#

www.gsm-activate.co.uk - 01273462380 - sales@gsm-activate.co.uk

Programming of Message and other Functions

You can now change the SMS message to a customised message of your choosing. The default message is 'ALARM TRIGGERED'

To change the message send the text command as follows

#MESSA=YOUR MESSAGE#

This will change the message to 'your message'

Text and Phone Message

The Auto Dialler can be programmed to send a phone 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 any call charges being incurred.

To set alerts ON please send the text message

#CALL=ON#

The unit will reply back with "CALL ON"

To disarm the 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.

Battery test and Signal Strength test

Send the text message #BATTEST#

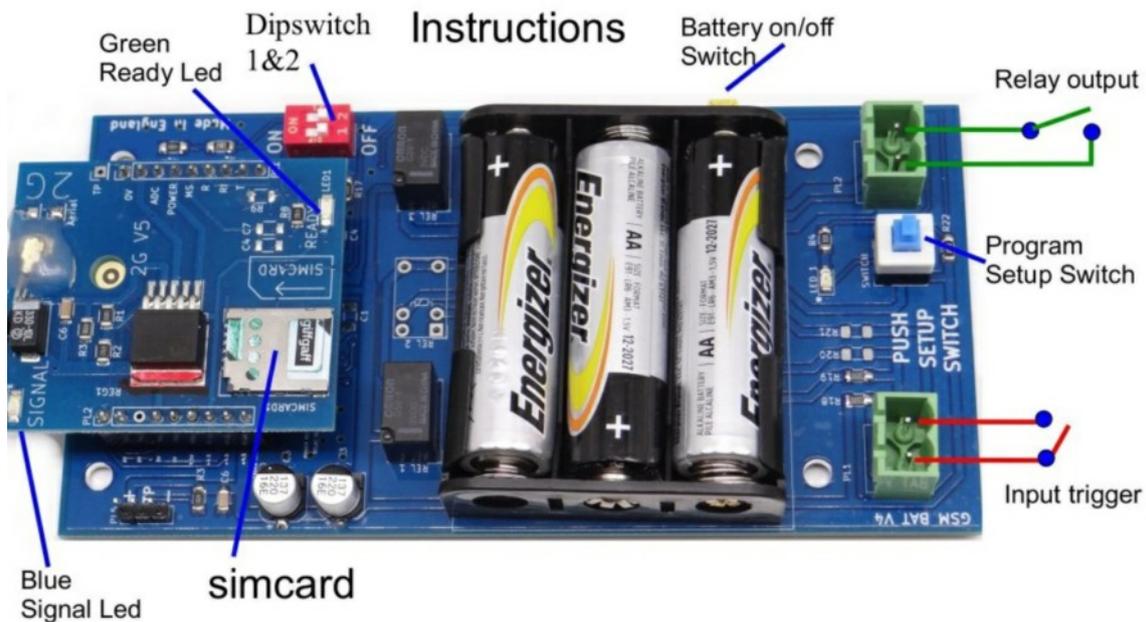This will give you the battery percentage and signal strength.
The unit will reply back with a score from 1-30
The unit must have a score of at least 10 to work effectively.

IMPORTANT - PLEASE READ

We strongly recommend checking the signal strength using the text command #SIGNAL#.
The signal strength should be at least a score of 10 for reliability.

Using the Battery Dialler

Triggering the unit

Once the unit has been programmed, you can put it into 'sleep mode' by turning the battery switch to OFF (see above) and then back ON. The unit will now go into sleep mode and await a trigger from the input switch.

When the input switch has been triggered the unit will wake from its 'sleep'. The BLUE LED will start to flash and then the GREEN ready LED will flash to indicate that the unit is sending a text message. The relay output will turn on for 60 seconds and then return to its 'sleep mode'.

Input Switch

The input switch is activated by shorting the input switch in a variety of ways dependent on what you have connected to the battery dialler. Examples include:

- Magnetic Door Switch
- Float Switch
- Battery powered PIR

Please contact our support team for advice on other trigger methods you may wish to use using the contact details below.

If you want to use a positive input please contact us with the input voltage and we can supply accordingly - this has to be done pre sale.

Relay Output

The relay will come on for 60 seconds when the input switch has been activated. This can be used for things such as siren's or LED's.

Battery Life

The onboard battery will last for approximately 5 years in sleep mode or 30 trigger activations before it will need replacing. Upon every activation the unit will also tell the current battery level.

Typical Applications of this Product

- Security alarm system applications
- Supervision and monitoring alarm systems
- Auomatic monitoring systems
- Vending machines security protection
- Pumping stations: tanks, oil or water levels

- Building and real estate
- Weather stations
- River monitoring and flood control
- Fridges/Fish tanks
- Farming equipment and security

Quick Reference

SEND TEXT	OPERATION	ACKNOWLEDGMENT
#MESSA=MAX19CHARACTER#	Saves alarm message	Message Stored
#RESET#	Resets factory settings	GREEN LED flashes 8 times
#1=1STCONTACTNUMBER#	Stores 1st contact number	Number Stored
#2=2NDCONTACTNUMBER#	Stores 2nd contact number	Number Stored
#3=3RDCONTACTNUMBER#	Stores 3rd contact number	Number Stored
#1=DELETE#	Deletes 1st contact number	Contact Deleted
#2=DELETE#	Deletes 2nd contact number	Contact Deleted
#3=DELETE#	Deletes 3rd contact number	Contact Deleted
#CALL=ON#	Call and text alerts ON	Call ON
#CALL=OFF#	Text alerts ONLY	Call OFF
#BATTEST#	Battery and Signal strength	Score of 0-30

IMPORTANT - PLEASE READ

By resetting the unit to its factory settings you will reset all of your parameters. Please only use this when necessary.

For more information or technical support, please browse the FAQ's on our website
www.gsm-activate.co.uk
Alternatively you can email our technical support team at **technical@gsm-activate.co.uk**
and we will do our best to reply within 24 hours Monday to Friday.