



GSM BATTERY POWERED AUTO DIALLER



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 AA batteries which will last around a 1 year (or up to 50 alerts) before needing to be replaced.

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 dialler is a short out one of the input's.

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/

4 G B a n d s : B 1 , B 3 , B 5 B 8 , B 2 0 (o t h e r b a n d s a v a i l a b l e o n r e q u e s t)

Full Size Simcard Battery

shelf life: 3 years 3 x AA

Battery

Battery Level Monitoring

3 Contact Numbers

Call and SMS Text Alerts

Customisable SMS Alert Message - Max 29 Characters

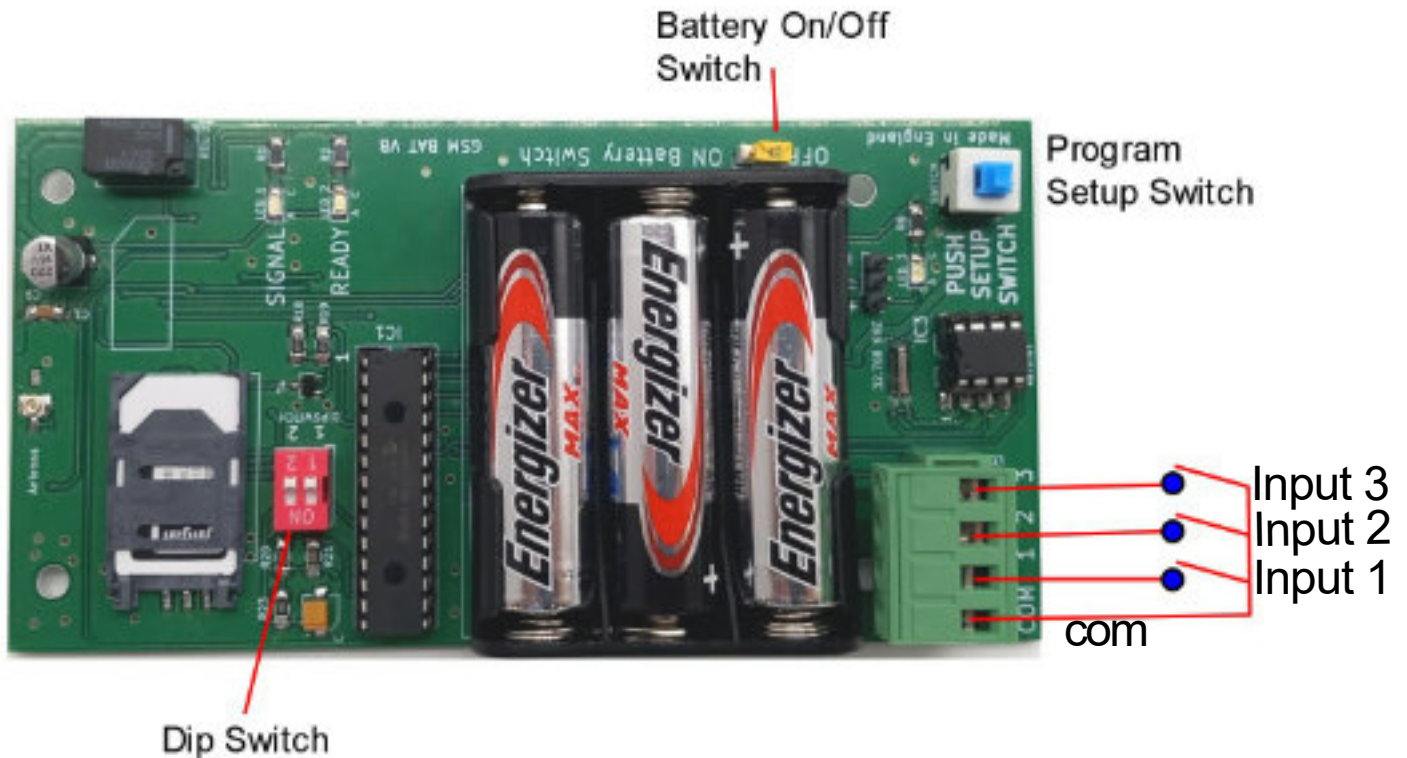
Text for Signal Strength

28 Day auto test message, and Sim Active Function.

Dimensions - L150 x W90 x H45mm

Dimensions PCB Only - L133 x W67mm

INSTRUCTIONS



IMPORTANT - PLEASE READ

Please make sure you disconnect the power and turn off the battery 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.

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.

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

How To Program The Unit

1. Turn ON the battery switch

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.

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# To delete the contact number.

The unit will reply with the message "NUMBER DELETED"

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= _____ #

Programming of Message and other Functions

You can now change the SMS message to a customised message of your choosing. The default message is "INPUT ACTIVATED"

To change the message send the text command as follows

#MESS1=YOUR MESSAGE#

#MESS2=YOUR MESSAGE# Max 29 characters

#MESS3=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.

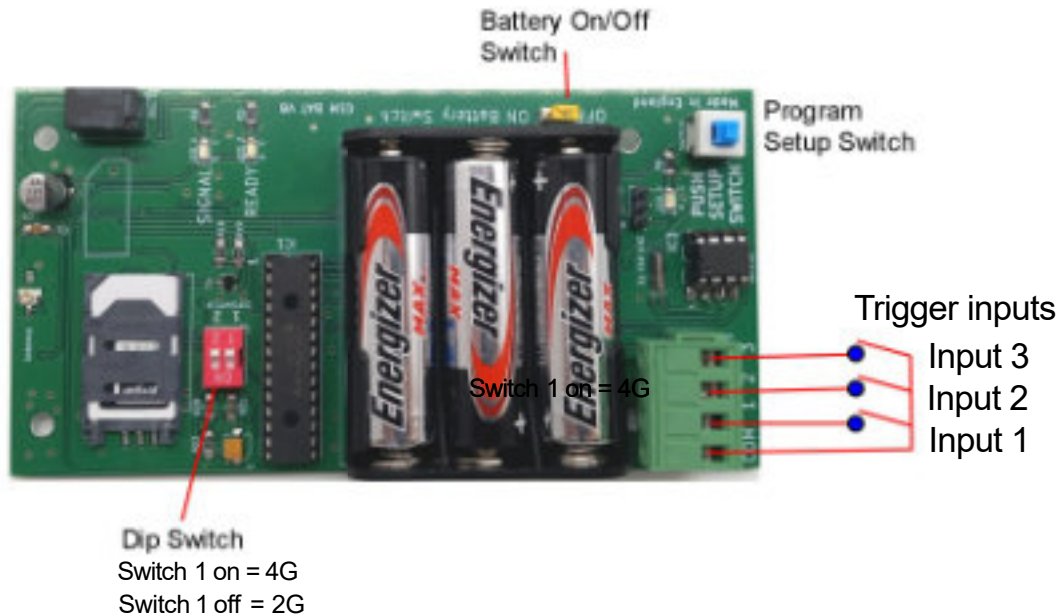
Battery test and Signal Strength test

Send the text message #BATTEST#

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 one of the input's.

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 input trigger is activated by shorting the input trigger 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.

Battery Life

The onboard battery will last for approximately 3 years in sleep mode or 50 trigger activations before it will need replacing. Upon every activation the unit will also tell the current battery level.

Dipswitch Settings

Dipswitch 1 ON= 4G

Dipswitch 1 OFF =2G

DIPSWITCH 2 NOT USED

Typical Applications of this Product

Security alarm system applications

Supervision and monitoring alarm systems

Automatic monitoring systems

Vending machines security protection

Building and real estate

Weather stations

River monitoring and flood control

Fridges/Fish tanks

Farming equipment and security

Quick Reference

Send Text	Operation	Acknowledgment
#MESS1=MESSAGE#	Stores a Custom Message for Input 1	Message Stored
#MESS2=MESSAGE#	Stores a Custom Message for Input 2	Message Stored
#MESS3=MESSAGE#	Stores a Custom Message for Input 3	Message Stored
#SIGNAL#	Gives a Signal Strength Test	Score of 1 - 30
#1=NUMBER#	Saves a Contact Number 1	Number Stored
#2=NUMBER#	Saves a Contact Number 2	Number Stored
#3=NUMBER#	Saves a Contact Number 3	Number Stored
#4=NUMBER#	Saves a Contact Number 4	Number Stored
#5=NUMBER#	Saves a Contact Number 5	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
#4=DELETE#	Deletes Contact Number 4	Number Deleted
#5=DELETE#	Deletes Contact Number 5	Number Deleted
#BATTEST#	Battery And Signal Check	Score upto 100% and 1 - 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.

This unit has a automatic 28 day test routine.

This will send you a text message every 28 days automatically to your stored Number 1 location only, giving you the message (Unit test, battery percentage, and the signal strength)

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.