



GSM BATTERY POWERED AUTO DIALLER

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Call and text activation

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MODEL NUMBER 2/3G BATTV2

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 3.7 battery which will last around a year (or up to 30 alerts) before needing to be recharged.

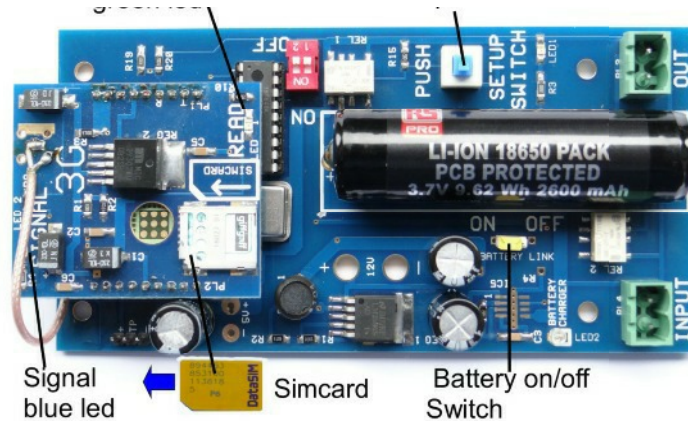
This can prove to be very useful in a variety of situations. You could attach it to a door switch or PIR to create a battery powered alarm. Other examples of how it can be useful is to attach it to a float switch for pump and oil theft applications. All the unit needs to trigger the phone call is a switch 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 850/900/1800/1900/2100 Mhz
- Micro 2G or 3G simcard
- Powered by a stand alone rechargeable battery
- Battery shelf life: 5 years
- Battery Standby: 10 months between charging
- 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

Instructions



Slide the simcard into the holder ensuring that the clipped corner of the simcard lines up with the clipped corner of the simcard holder.

IMPORTANT - PLEASE READ
PLEASE ENSURE THAT YOU DISCONNECT THE BATTERY WHEN YOU FIT THE SIMCARD AND YOU PLACE THE CLIPPED CORNER AS SHOWN IN THE ABOVE PICTURE

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.

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.

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

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 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.

2G or 3G

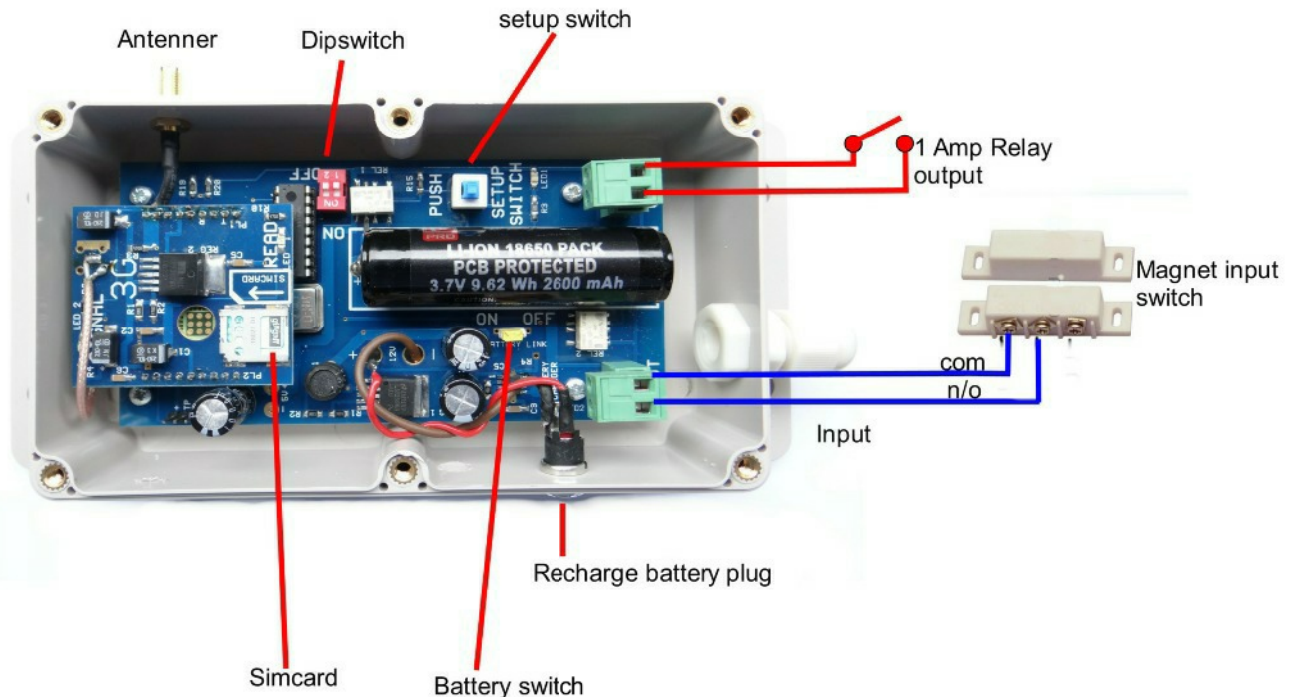
The GSM battery powered Auto Dialler can work on both the 2G and 3G networks. You can choose which network the unit will use at the start of the set up via Dipswitch setting 1

Dipswitch 1 OFF - The unit will search for a 2G network signal.

Dipswitch 1 ON - The unit will search for a 3G network signal.

PLEASE NOTE - We strongly recommend checking the signal strength in both 2G and 3G and using the one which has the highest signal strength score. 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 in to 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.

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 and Charging

The onboard battery will last for approximately 10 months in sleep mode or 30 trigger activations before it will need charging. Upon every activation the unit will also tell the current battery level. To recharge the battery, plug the power supply into the charging socket and the red light will come on indicating it is charging. The unit will take 8 hours to fully charge.

Quick Reference

#MESSA=ALARM TRIGGERED#	(default) Maximum of 19 characters
#RESET#	GREEN LED will flash 8 times
#1=Your Number#	To store your first phone number
#2=Your 2 nd Number#	To store second phone number
#3=Your 3 rd Number#	To store third phone number
#1=DELETE#	To delete your first phone number stored
#2=DELETE#	To delete second number stored
#3=DELETE#	To delete third number stored
#CALL=ON#	Call and text ON
#CALL=OFF#	Text only ON (default)
#BATTEST#	Battery and signal strength test

To reset the unit back to factory settings you will need to send the text message

#RESET#

WARNING - This will reset all of your parameters. Only send this command when necessary.

Dipswitch Settings

Dipswitch 1 OFF	- The unit will search for a 2G network signal
Dipswitch 1 ON	- The unit will search for a 3G network signal
Dipswitch 2	- Not currently used

Typical Application of Product

- Security alarm system applications
- Supervision and monitoring alarm systems
- Automatic 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

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 get back to you within 24 hours Monday - Friday