GSM PROTECT

ANTI-THEFT ALARM WITH GPS TRACKING & MOBILE PHONE ALERTS

Remote monitoring & Control using your mobile phone.

www.gsm-activate.co.uk

MODEL NUMBER VAN001

Product Information

The GSM Protect is an anti-theft alarm that incorporates GPS and GSM capabilities and can be installed in many different applications such as cars, vans, mobile homes, boats, planes or any vehicle that has a battery. The unit has wireless and wired capabilities which will enable it to be triggered in a variety of ways. When triggered the unit will alert you initially via telephone call then by text message as well as emitting an audible alert through a wired siren.

The unit also has a 10 amp relay output that can be used to switch on and off external equipment. The unit also has a GPS tracker enabling you to find the location of your property by simply sending it a text message.

Specification

- 2G GSM Frequency: Quad band frequency 850/900/1800/1900
- 3G Frequency 2100 Mhz. Others frequencies available for other countries.
- Standard Size 2G or 3G Simcard.
- GPS Tracker.
- Power Supply Voltage: 9 - 12 volts DC - 1 Amp Max.
- Current used in standby mode: 50mA Max.
- 1 Positive Triggered Input.
- 1 Negative Triggered Input.
- 8 Amp Relay Output.
- No land line required.
- Dimensions - L150 x W90 x H45mm.
- Sim Active Function.
- Operating Temperature: -10...+40°C
- Alarm Armed / disarmed via text message or keyfob.
- Programmed by Text / SMS Message.
- Text for signal strength.
- Call and text alerts to your designated number upon alarm trigger.
- Wireless PIR.
- Wireless Door Contact.

INSTRUCTIONS

Before Powering On please assemble as below

Simcard

Push and click the simcard into position as shown

IMPORTANT - PLEASE READ

PLEASE MAKE SURE YOU DISCONNECT THE POWER WHEN YOU FIT THE SIMCARD THEN PLACE THE SIM CARD WITH THE CLIPPED CORNER IN FIRST

Antennas

The GSM Protect comes with three antennas that will need to be installed before you power on the device.

1. GSM Antenna - A three metre cabled antenna with an adhesive back.
2. RF Antenna - A small stub antenna (for remote control)
3. GPS Antenna - A one metre cabled antenna with a magnetic surface

1

2

3

Powering on and Programming

1. Connect the 12 volts dc into the power in plug (refer to page 8)
2. Switch on the unit by pressing the switch towards Position 1
3. The red LED will be illuminated solid while it searches for a signal, when the signal has been found the LED will change from solid to flashing every 20 seconds. The unit is now ready for use.
4. You can now programme your personal contact number into the alarm. This number can be a mobile or landline telephone number.
5. You will need to send a SMS text message as folllows (please change the example number for the number you want to use)

Example: (hash) (1, 2 or 3) (equals) (phone number) (hash)
#NUMB=01234567890# Then send this as a text to the simcard number in your unit

6. The unit will reply back with “number stored”
7. To change the number please send the text command #reset# The unit will reply back with an acknowledgment “reset completed” you can then repeat steps above to add a new number

Activating the Alarm

There are two ways to activate your alarm, using the keyfob or a text message.

Remote Fob Activation

Pressing a) will arm the alarm. The siren will beep twice to acknowledge the command.
Pressing b) will disarm the alarm. The siren will beep twice to acknowledge the command.

When the alarm has been triggered, pressing B will stop the siren from sounding. If you disarm the alarm within 5 seconds of the alarm being trigger it will also stop the phone alerts being sent - this is useful for false alarm situations.

Battery life on the key fob is approximately 2 - 3 years on a button battery

Text message activation

Sending the text message command

#alarm=on#

This will arm the alarm, you will receive the text message acknowledgment back Alarm=On

Sending the text message command

#alarm=off#

This will disarm the alarm, you will receive the text message acknowledgment back Alarm=Off

How to Use the 3G GSM PROTECT - Wireless Usage

The GSM Protect has been designed to work in a variety of ways. It comes with a wireless PIR as well as wireless door contact, but will also allow wired connections which can also trigger the alarm. Once the unit has been powered ON and your contact number has been programmed you will be able to position the unit and its sensing devices.

Wireless PIR

The wireless PIR will arm in line with a key fob or text message alarm activation. It can detect movement upto 25 feet away. When the Sensor detects movement it will send the phone alerts and sound the siren for upto 2 minutes.

LED Indicator Light

LED flashes frequently: device is in self-checking state.
LED flashes once: device is alarming.
LED flashes twice: device finishes self-check and enters working mode.
LED flashes thrice: low battery indication.

Battery life is approximetely 8 - 12 months on 3 AAA batteries

Door Contact

The Door Contact: this will automatically arm in line with a keyfob button press, or an sms activation command. The door contact is made from two parts, the switch and the magnet. If they separate by 12mm or more the switch will activate the alarm.

Battery life is approximetely 8 - 12 months on the button battery

How to Use the 3G GSM PROTECT - Standard Usage

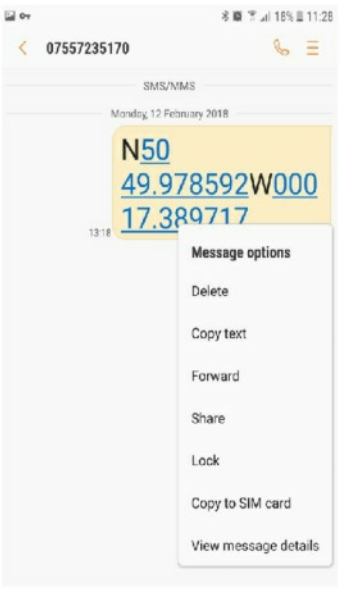
Siren

Once an alarm trigger has taken place the siren will sound for 2 minutes followed by the alarm turning itself off. It is now waiting for a new alarm activation command.

How to Use GPS Tracking

The alarm has a built in GPS tracking system. With the unit powered ON you can send a text command #GPS# and the alarm will reply back with its location address by text message. You can then copy and paste this into Google maps to view the exact location of your property
To Copy and Paste simply open the text message and hold down on the message. Depending on your phone a menu will show and you need to choose the option "copy"

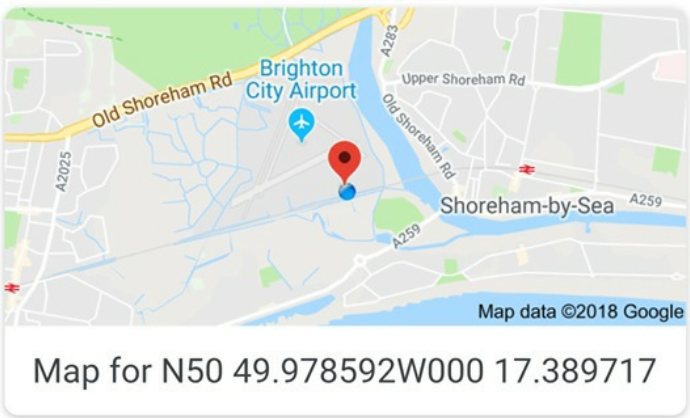
APPLE IPHONES



ANDROID PHONES

Once you have selected copy, you can then open a web browser or maps app and again hold down in the search button and press paste

It will then show you the real time location of your unit and property.

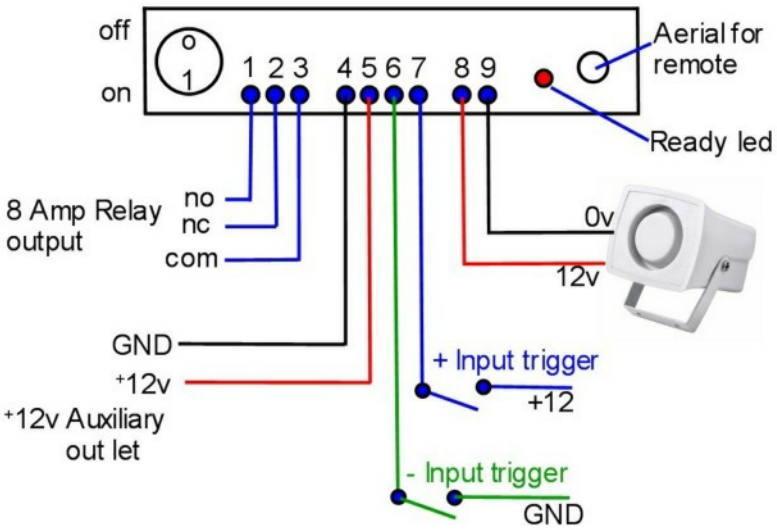


Map for N50 49.978592W000 17.389717

Please Note:
The GPS does take time to warm up, the longer the alarm has been on for the more accurate the reading will be.

How to Use the 3G GSM PROTECT - Hard Wired Usage

For advanced users there are auxiliary and alarm inputs that can be used to enhance the security of your alarm by adding extra external hardware.



Relay Output - Positins 1 2 3

The GSM Protect has a relay output that can be used to switch on external electrical devices such as lighting and additional sirens etc. For some applications such as boats, you can also disenable the engine if it is wired to the ignition. The Output Relay is independent and can be activated by sms text message.

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

#RELAY=ON# - This will turn ON the relay output.
#RELAY=OFF# - This will turn OFF the relay output.
After each operation the unit will reply with a status report **REL ON/OFF**

Wired Sensing Devices and Enable Trigger - positions 4 5 6 7

You can also add in extra sensors, switches etc into these positions as follows:

4 - Ground:
5 - +12v Auxiliary output, maximum current is 1 amp.
6 - Negative input trigger.
7 - Positive Input Trigger.

Wired Siren - positions 8 9

The alarm comes with a wired high decibel siren. This plugs into position 8 (plus 12v) and 9 (ground)

Quick Reference

Send Text	Operation	Acknowledgmemt
#NUMB=NUMBER#	Store Contact Number	Number Stored
#ALARM=ON#	Arm Alarm	Alarm = On
#ALARM=OFF#	Disarm Alarm	Alarm = Off
#RELAY=OFF#	Turn Relay Output Off	Relay Off
#RELAY=ON#	Turn Relay Output On	Relay On
#SIGNAL#	Signal Strength Check	Signal Score 1 - 30
#GPS#	Ask for GPS Location	Coordinates to Copy to Google Maps

If the GPS is not warmed up. The antenna will be picking up a signal and will reply with the error message - “Waiting for valid GPS signal. Please Try Later”

If there was a mistake when typing a text command a response will be “invalid command”

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 reply within 24 hours Monday - Friday.