G.S.M ACTIVATE

2G
GSM ALARM PRO
20 ZONES

MADE IN BRITAIN

Our 4G GSM Alarm Pro is a standalone alarm system suitable for both indoor and outside usage and can cover a large range from the base station to the sensors. It will alert you using GSM technology by sending a text message and/or a phone call to your mobile phone or land line when the sensors are broken, alerting you to a possible intrusion or fault.

The unit is enclosed in an IP65 rated enclosure, meaning it is perfectly weathered for outside installation and has passed testing in high heats and below freezing conditions.

GSM Module Specification

- GSM Frequency: quadband Freq 2G 900/1800/1900 / (3G) 2100 / (4G) 2600 Mhz
- Power Supply Voltage: 9 - 24 volts DC - 2 Amp Min
- Current Used in Standby Mode: 50mA Max
- IP65 Rated Enclosure for Outside Installation
- Micro 2G or 3G Simcard
- No Land Line 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 Text Signal Strength
- Wireless Range - Beam 50m
  - Key Fob 50m
  - PIR 80m
- Battery Backup
- Disable Zone Remotely

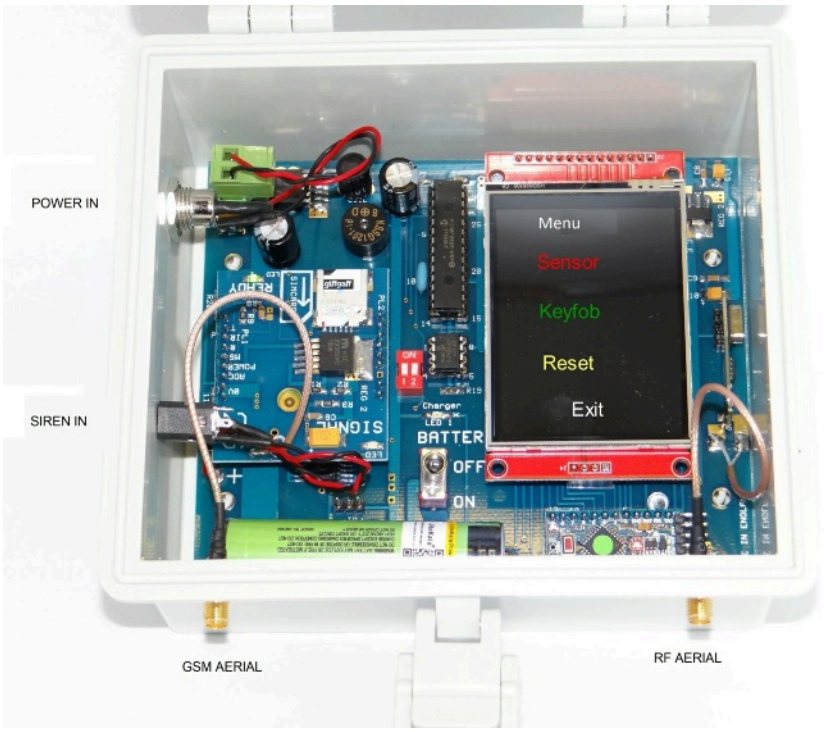
Beam Specification

- Alert Distance: 100 Meters
- Detection: 2 Beams Blocked Simultaneously
- Battery Life: Solar Powered Charged Lithium Battery 900mah - 3 months from fully charged. Please replace battery every two years
- Dimensions: L60 x W32 x H13mm

Outdoor PIR Specification

- Detection Range: 12m*12m
- Pet Immunity - 20kg
- Battery Life: AA Lithium Battery - 6 Months
- Mount Height: 1.8m - 2.4m
- Dimensions - L148 x W75 x H54mm

Instructions



IMPORTANT- PLEASE READ

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.

Signal Strength

To help ensure 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 alarm 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 lease 10. Less than this will make the unit unreliable.

Battery Backup

In the event of a power failure the internal rechargable battery will be capable of running the unit for 24 hours. It will inform you of a “MAINS FAILURE” by text message as well as when the power is restored with the text message “POWER RESTORED”.

You can switch the battery on and off using the switch inside the unit. (See image above)

IMPORTANT - PLEASE READ

To avoid confusion we have colour coded the hash (#) and the equals (=) symbols. Furthermore, where it indicates a phone number this should be your number or the numbers you wish the unit to contact.

How to Programme the Mobile Number

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

To programme your phone numbers into the unit you will need to send the text message as follows:

Example: (hash) (PH) (equals) (phone number) (hash)

#PH1=07123456789# Then send this to the unit simcard number.

#PH2=07753651298# Then send this to the unit simcard number.

The unit will reply number stored

When the unit is triggered it will send an alarm message to thiese numbers

How to programme the SMS Text Message

You can now change the alarm default message from “IR??” To one of your choice.

To change the message send the text command as follows

#IR01=YOUR MESSAGE# Default message is IR01

#IR02=YOUR MESSAGE# Default message is IR02

The detector will reply with the text message - “MESSAGE STORED”

By changing position 01 to 20, you can name all 20 individually paired sensors.

IMPORTANT - PLEASE READ

Your can only use a maximum of 30 characters including spaces for your customised message.

How to Setup Call Alerts

The auto dialler 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 set call alerts to ON please send the text message

#CALL=ON#

The unit will reply back “call on”

To disarm call alerts please send the text message.

#CALL=OFF#

You will then revert back to the default text message only alert

The Sensors

The GSM Alarm Pro 20 has the ability to pair up to 20 sensors. These sensors can be programmed with their own unique location code so the end user will know exactly which sensor has been triggered.

The sensors and key fobs are easily paired by using the colour touch screen display on the board.

Pairing the Sensors

1. Touch the screen
2. Press the RED “SENSOR OPTION”
3. Choose a location 1-20 to store the sensor using the + and - icons.
4. Touch the “SELECT LOCATION” - a prompt will appear saying “ACTIVATE SENSOR NOW”
5. Activate your sensor
6. Touch “SAVE-YES” - You will hear 3 beeps to confirm

IMPORTANT - PLEASE READ

Once a sensor has been stored to a location, it cannot be stored to another location without it being unpaired using a reset.

Pairing the Key Fobs

- Press the GREEN key option
- It will show 3 positions and have an X or - symbol - this shows whether a keyfob is paired to it
- Choose a location from 1-3
- You will then get a prompt to “PRESS KEY FOB A”
- Press the “A” ONLY on your key fob
- This will be followed by a beep to signal it has been paired and stored to that location

Delete Sensors / key fob

To delete the sensors or key fobs, touch the YELLOW RESET command. It will ask you whether you want to remove ALL sensors or ALL key fobs.

SIM Active Function

Our GSM Auto Dialler comes with a SIM Active function meaning that it will send a message every six weeks to a preprogrammed number we at GSM Activate own to prevent the SIM card being shut down due to inactivity.

How to turn ON / OFF the Alarm

Once you have paired and positioned the sensors and key fobs the alarm is ready to be used.

Arm Using Text 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

Arm Using the Key Fob

The key fob works best when used with the siren provided as this provides an audible alert whenever you arm or disarm the alarm.

Press Button A on the Key Fob	This ARMS the alarm.
	The siren will beep TWICE
Press Button B on the Key Fob	This DISARMS the alarm
	The siren will beep ONCE

IMPORTANT - PLEASE READ

Once the Alarm has been alarmed, it will stay alarmed even after an alarm activation. To turn the alarm off and stop further alarm messages, you will have to disarm the alarm by text or key fob

How to Use The Siren Output

The unit has been programmed to trigger the siren for 60 seconds in the event of an alarm activation. Once the text message has been received you can STOP the siren sounding by pressing B on the key fob.

The length of time the siren sounds for can be altered from 10 to 90 seconds by sending the text command

#SIREN=0#	Turns siren OFF
#SIREN=1#	Sets siren to sound for 10 seconds upon activation.
#SIREN=6#	Sets siren to sound for 60 seconds upon activation (default setting)
#SIREN=9#	Sets siren to sound for 90 seconds upon activation

Activating the Alarm

Once the alarm is armed via text or keyfob, the alarm is then ready and sensing all paired beams.

When a sensor is broken this will trigger the siren for the pre determined length of time and also send a text message to two pre programmed phone numbers. It will also call you if you have set up the call on feature (please see page 4)

The text message will relate to which sensor has been broken - you can pair upto 20 sensors and name them individually. T o individually name each sensor please see page 4 - the default texts are IR01, IR02 etc

Once the alarm has been activated, it will automatically re-arm once the beam has been cleared.

Disabling Sensor 1 Only

If you want to remove sensor 1 from operation you send the text command

#BEAM1=ON# This will re-enable sensor 1

#BEAM1=OFF# This will disable sensor 1

The purpose of this function is to deactivate one sensor whilst retaining the rest of the alarm system. This could be for a constantly used door during day time hours.

Factory Reset

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

#RESET#

PLEASE NOTE - By doing this you will reset ALL of your parameters. ONLY send this seset command when necessary.

The GREEN ready LED will flash eight times.

Quick Reference

Send Text	Operation	Acknowledgment
#ALARM=ON#	Sets alarm ON	Alarm ON
#ALARM=OFF#	Sets alarm OFF	Alarm OFF
#IR01=BEAM#	Renames for senior position (Max 30 characters)	Number stored
#PH1=0712345689#	Stores contact number 1 for alarm	Number stored
#PH2=07234567891#	Stores contact number 2 for alarm	Number stored
#BEAM1=OFF#	Turns beam 1 OFF independently	Beam OFF
#BEAM1=ON#	Turns beam 1 ON independently	Beam ON
#CALL=ON#	Sets call alerts ON	Call ON
#CALL=OFF#	Sets call alerts OFF	Call OFF
#RESET#	Restores factory settings	
#SIREN=0#	Sets siren length in 10 seconds increments	
#SIGNAL#	Gives signal strength test	Score 1-30

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 querry within 24 hours Monday- Friday.