



# 4G GSM ALARM PRO 20 ZONES



MODEL 4G ALARM PRO 20\_V2



## Product Information

Our 4G GSM Alarm Pro 20 is a standalone alarm system for both Indoors and outdoor, and can cover a large range from the base station to the sensors. It will alert you using GSM technology by sending you a text message and/or phone call to your mobile phone or landline when the sensor has been broken alerting you to a possible intrusion or fault

The unit is enclosed in a IP65 rated box which means it is perfectly weathered for outside installation and has passed testing in high temperature as well as below freezing temperatures.

### GSM Module Specification

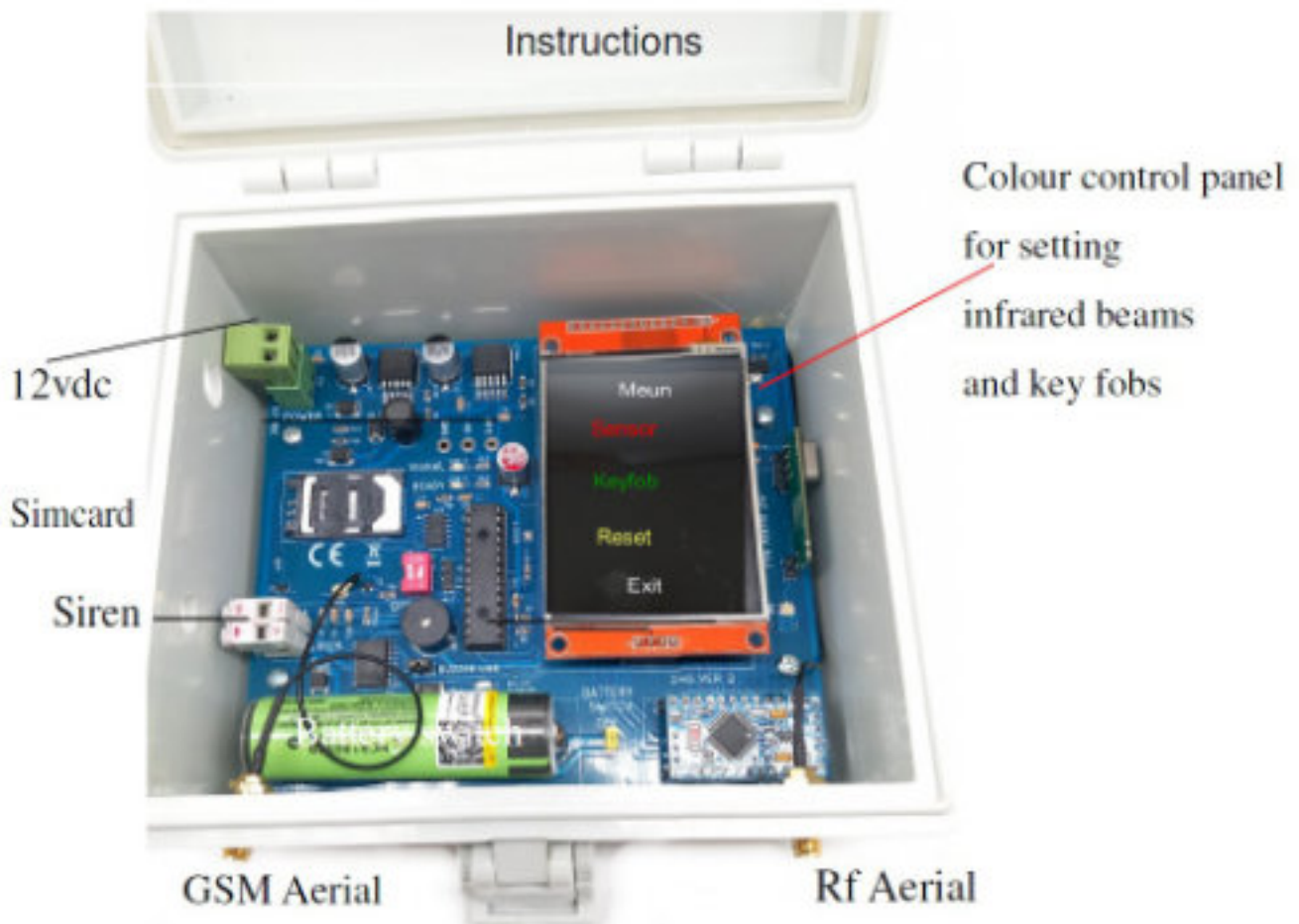
- GSM Frequency: Quadband freq 2G 900/1800/1900 / 3G Model 2100Mhz / 4G 2600Mhz
- Power Supply Voltage: 9 - 12 volts DC - 2 Amp Min
- Current used in standby mode: 50mA Max
- IP 65 Enclosure rating for outside installation
- Micro 2G or 4G Simcard
- No landline required
- Dimensions - L100 x W68 x H50mm
- Dimensions PCB Only - L95 x W67mm
- Sim Active Function
- Operating Temperature: -10...+40 °C
- Programmed by text message
- Text to test signal strength
- Wireless Range - 50 metres for Beam,& keyfob, or 80 metres for PIR
- Battery backup

### Solar Beam Specification

- Alert Distance : 100 Metres
- Detection: 2 Beam Blocked simultaneous
- Battery Life : Solar Powered charged lithium battery 900mah -  
3 months from full charge, replace battery every 2 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 54mm



### IMPORTANT - PLEASE READ

PLEASE ENSURE THAT YOU DISCONNECT THE POWER & TURN THE BATTERY OFF WHEN YOU FIT THE SIMCARD THEN PLACE THE SIMCARD WITH THE CLIPPED CORNER FACING UPWARDS.

PLEASE SEE PICTURE 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 least 10.

### Battery backup

In the event of a power failure the internal Rechargeable battery will be capable of running the unit for 24HR, it will inform you of a **"MAINS FAILURE"** by text, and when the power is restored you will receive a text telling you **"POWER RESTORED"**.

You can switch the battery on and off using the switch in side the box.

## How to Programme Mobile Number

After inserting the simcard into the GSM module, turn the unit on and wait until you see the **GREEN** LED is on. This indicates that the module has a signal and the unit is ready for use.

**Please Note** - 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.

To programme a phone number into the unit you will need to send a text to the unit as follows:

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

#PH=071234567890# Then send this as a text to the unit simcard number.

When the unit is triggered it will send a alarm message to this number.

## How to programme the SMS text message

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

To change the message send the text command as follows.

# IR01=YOUR MESSAGE# default message is (IR01)

# IR20=YOUR MESSAGE# default message is (IR20)

The detector will reply with a text message - 'MESSAGE STORED'

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

### PLEASE NOTE

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

## How to setup Call Alerts

The 4G Alarm Pro 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

## How to Pair Sensors

The GSM Alarm Pro 20 has the ability to pair up to 20 Sensors which will have a location and can be given a unique text message that will be sent out when that sensor is triggered

The Sensors and Keyfobs are easily paired by using the colour touch screen display on the board.

### To Pair Sensors

1. Touch the screen
2. Press the Red **Sensor option**
3. Choose a location from 1 - 20 to store the sensor using the + & - , and then touch the **"Select Location "** you will then get a prompt **"Activate sensor now"** activate your sensor then touch **save-yes** you will hear 3 beeps to confirm.

\*Note - once a sensor has been stored to a location, it cannot be stored to another location without it being unpaired via a reset.

### To Pair Keyfob's

1. Press the green key fob option
2. It will show 3 positions and have a X or – symbol by them to show if they have a keyfob paired.
3. Choose a location from 1 - 3 , you will then get a prompt "press key fob A"
4. Press the "A" only on your key fob and you will hear a beep to signal it has been paired and stored to that location.

### Delete Sensors / Keyfob

To delete sensors or keyfobs, touch the yellow reset command and It will ask you whether you want to remove all sensors or all keyfobs

## 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 Via 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 Via Key Fob

The keyfob works best when used with the siren provided as you will get the audible alert whenever you arm or disarm the alarm.

Press button A on the key fob Arms the alarm and siren will beep twice

Press button B on the key fob Disarms the alarm and the siren will beep once

### 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 a text command

`#SIREN=0#` - Turns Siren Off (Default setting off)

`#SIREN=1#` - Sets Siren to sound for 10 seconds upon activation

`#SIREN=6#` - Sets Siren to sound for 60 seconds upon activation

`#SIREN=9#` - Sets Siren to sound for 90 seconds upon activation

# Quick Reference

Send Text	Operation	Acknowledgment
#ALARM=ON#	Sets Alarm on	Alarm On
#ALARM=OFF#	Sets Alarm Off	Alarm Off
#IR01=YOUR MESSAGE#	Renames the Sensor	Message Stored
#CALL=ON#	Sets Phone Call Alerts On	Call On
#CALL=OFF#	Sets Phone Call Alerts Off	Call Off
#PH=07713095656#	Stores Contact Number	Number Stored
#SIREN=6#	Stores the Siren On Time (10 second increments)	Siren Stored
#SIGNAL#	Gives a Signal Strength Test	Score 1 - 30
#RESETE#	Clears all Parameters and Numbers	

## Factory Reset

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

**#RESET#**

**Please Note** - doing this will reset ALL of your parameters. Only send a reset command when necessary.

The **GREEN** ready LED will flash eight times.

For more technical support please browse the FAQ's on our website [www.gsm-activate.co.uk](http://www.gsm-activate.co.uk)

do our best to respond to your query within 24 hours Monday- Friday.

Alternatively email our technical support team at [technical@gsm-activate.co.uk](mailto:technical@gsm-activate.co.uk) and we will