Guarantee

The product is guaranteed for one year from the date of purchase against faulty materials and workmanship. No liability can be accepted for any problems caused by fair wear and tear, buyer's negligence, improper fitting or use, wilful or accidental damage, or any consequential loss or damage howsoever caused. This guarantee does not affect your statutory rights and is valid for UK and EIRE only.

If you believe the product to be faulty or in the unlikely event of the product developing a fault during the warranty period, then please contact our Technical Support Team (contact details shown below) for product assistance. Product repair or replacement will be offered for faulty products only with our prior agreement. Should you need to return a product then:

1. Contact the Help Line on the number below to obtain a Return Authorisation Number

2. Return your product adequately packaged, ideally in its original packaging to prevent damage in transit and include the following:

    a. A copy of your original invoice/receipt

    b. A covering letter giving your full contact details, including email address (if applicable)

    c. A description of the fault or problem   View our range of miGuard products

Disposal and Recycling

Disposal of this product is covered by the Waste Electrical or Electronic Equipment (WEEE) Directive. It should not be disposed of with other household or commercial waste.

At the end of its useful life the packaging and product should be disposed of via a suitable recycling centre. Please contact your local authority or the retailer from where the product was purchased for information on available facilities.

www.responseelectronics.com

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Roman House, Lysons Avenue, Ash Vale, Surrey, GU12 5QF
email: info@responseelectronics.com

f ⌨ @ResponseLTD   CE

MGG5_V4_1549

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miGuard™   Response Electronics Limited

Remote Monitoring GSM/SMS Communicating Wireless Alarm System

G5

Installation & Operating Instructions

miGuard Customer Helpline
0345 257 1000
lines open 0900 to 1700 Monday to Friday

Congratulations on your purchase of the miGuard G5 Alarm System.

Before you commence installation we recommend that you unpack the product, familiarise yourself with the component parts, and carefully read through this instruction guide.

There are some parts of the installation that must be completed in the order shown to ensure successful installation.

Contents

miGuard G5 Alarm System Overview

In the Box:

1 x Control Panel
1 x Pet Friendly PIR Motion Sensor
1 x Door/Window Sensor
2 x Remote Controls
2 x RFID Tags
1 x Power Adapter
1 x Desk Stand, 1 x Wall Mount
All Batteries & Fixings
Quick Start Guide, Installation & Operating Instructions

Control Panel

GSM Network Indicator

Touch Screen

Status Indicator

Arm

Disarm

Call

Home Mode

RFID Tag Reader/play Voice Memo

Record Voice Memo

Rear View

Microphone   Tamper Switch   Loudspeaker

Back-up Batteries
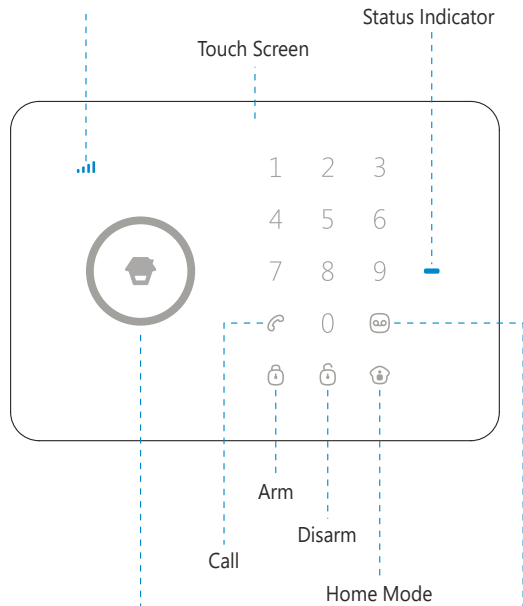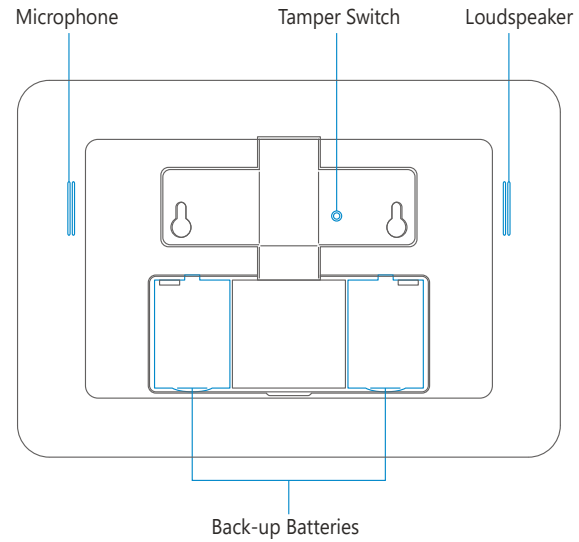
Accessories

The miGuard G5 Alarm System includes the Accessories shown below:
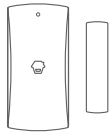
1 x Wireless Door/Window Sensor
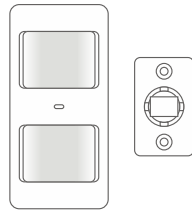
1 x Wireless Pet Friendly PIR Motion Sensor

2 x RFID Tags

2 x Remote Controls
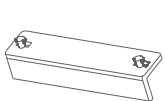
1x Desk Stand
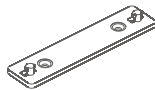
1x Wall Mount
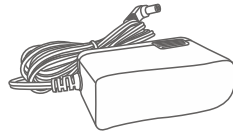
1 x Power Adapter

Alarm System Operation

The Alarm System receives a signal when a Sensor is triggered. The Control Panel will sound the alarm when armed and send SMS texts to all stored text numbers. When texting is finished the Control Panel will call the stored phone numbers and play the pre-recorded message.

If an optional external Siren is installed the Control Panel will send a trigger signal to the Siren and the Siren will also sound.

The Siren arms 15 seconds after the Panel, please consider this when testing the Siren.

The external Siren provides arm/disarm confirmation beeps only if the signal was sent from the Remote Control or an additional Keypad, otherwise the confirmation beeps will sound only from the Control Panel
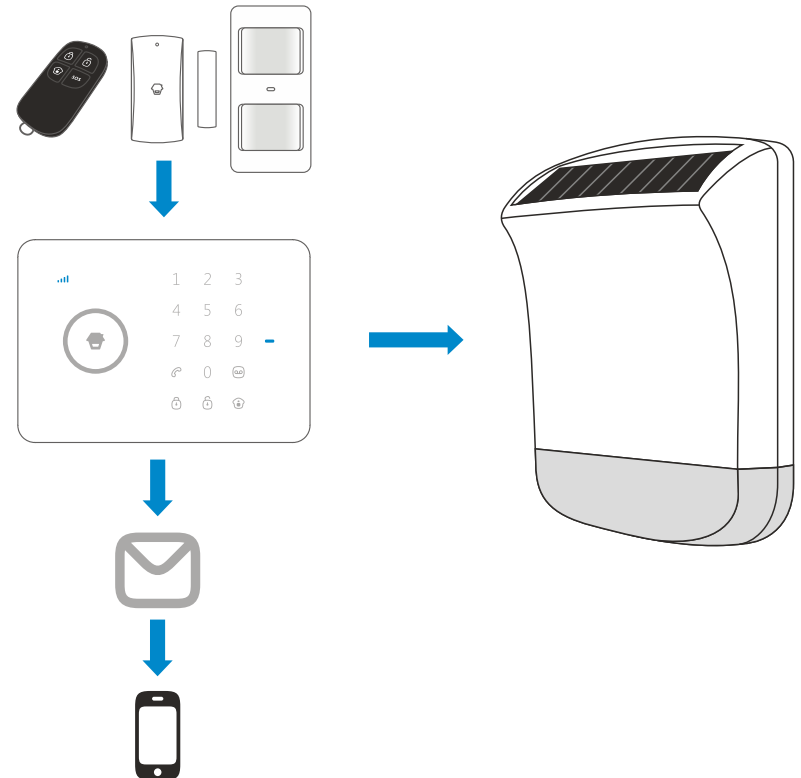
Sensors

Sensor placement

When planning your Alarm System installation consider the most vulnerable areas of your home such as exit/entry routes - well placed sensors will ensure optimum security coverage.

The diagram below shows the areas within your home that you would typically want to protect. Additional miGuard Accessories can be added at any time for maximum coverage of your home and outbuildings.
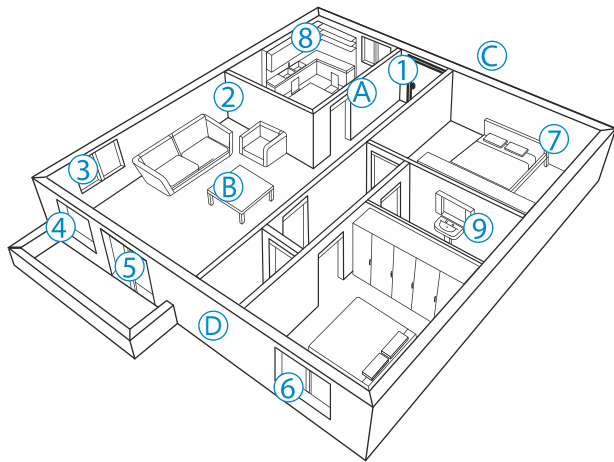
A. Control Panel   B. Remote Control   C. Siren   D. Dummy Siren

1. Front door   : Door/Window Sensor
2. Living area   : PIR Motion Sensor
3. Window: living area   : Door/Window Sensor
4. Window: living area   : Door/Window Sensor
5. Patio/garden door   : Door/Window Sensor
6. Window: bedroom area   : Door/Window Sensor
7. Bedroom   : PIR Motion Sensor
8. Kitchen   : Gas Detector
9. Bathroom   : Water Flood Detector

Grouping sensors

Each Sensor can be set to a different mode. Four different modes can be selected; Home Mode, Normal Mode, Single Delay Mode or 24-hour Mode.

> **IMPORTANT:** Determine which Mode each Sensor should be set to prior to commencing installation.

> **IMPORTANT:** If you change the Mode a Sensor is set to, re-register the Sensor to the Control Panel.

The diagrams below show the four different Mode Settings that can be set up to each Sensor.

Inside the Sensor are 3 'bridges', the configuration of the bridges will dictate the Mode that the Sensor is set to. To change the Mode simply re-position the 'bridges' by lifting them up and away from the pins and then pushing them down onto the pins in the relevant position to set the Mode required


| Home Mode | Normal Mode | Single Delay Mode (delay time) | 24-hour Mode |
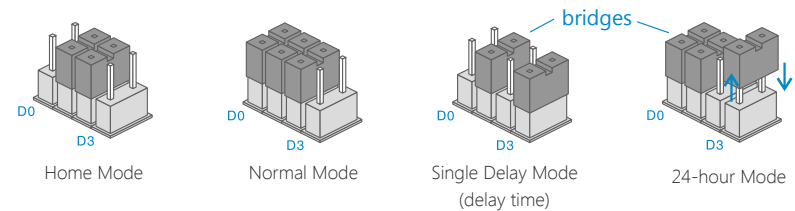
Normal Mode: The supplied Door/Window Sensor is by default set to Normal Mode with bridges set on D0, D1 and D2. When triggered, a Sensor set to Normal Mode will always activate the alarm if armed.

Home Mode: The supplied PIR Motion Sensor is (by default) set to Home Mode (D1 and D2). Sensors set to Home Mode will not be active when the alarm system is Part-armed. Part-arm allows you to arm certain areas but not others. For example, by setting sensors upstairs to Home Mode, when you Part-arm the system at night time you and your family can move around upstairs, whilst all other areas are protected.

Single Delay Mode: One or more Sensors can be set in Single Delay Mode and will alarm at the specified time after being triggered. This Mode is usually used for Door/Window Sensors. For example, if the user does not want to carry the Remote Control, they can set the Door/Window Sensor to Single Delay Mode with the delay time set to 30 seconds. When the user opens the door or window the Control Panel will alarm after a 30 second delay, giving the user time to disarm the system prior to it being triggered.

24-hour Mode: 24 hour Mode is recommended as the default setting for Sensors that detect smoke or gas for instance. When set to this Mode the Sensor is always active and will always send a signal (without a delay) to the Control Panel when triggered, regardless of whether the system is armed or disarmed.

Sensor Zone Names

The supplied Sensors are by default paired with the alarm system for ease of installation. Each Sensor is assigned its own zone number. The supplied Door/Window Sensor is by default assigned to zone 1. The supplied PIR Sensor is by default assigned to zone 2.

Sensors added to the system will be sequential, for example the 3rd Sensor added will be on 'zone 3', a 4th Sensor will be on 'zone 4' and so on. The first 9 zones can be re-named.

Refer to Page 23 for Sensor re-naming instructions.

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Getting Started

Inserting a SIM card *

Before inserting a SIM card, please perform the following steps:

1. Make sure the alarm system is powered off
2. Disable the Unlock Code on the SIM Card
3. Turn off the Voicemail function if it is enabled
4. Insert the SIM card into the SIM card holder in the Control Panel as shown below

* SIM Card must work with 2G networks such as: Vodafone, O2, Orange, T-Mobile

GSM SIM Card Holder

Slide down to unlock

Z1 — Input for wired sensors 24-hour group
GND
Z2 — Input for wired sensors (Normal group)
GND
PUSH — Output for Electric Lock
GND
SPK — Wired connection Siren   12V≤ 500mA
GND

Power Adapter Socket

OFF / ON

fig.a

Power On/Off
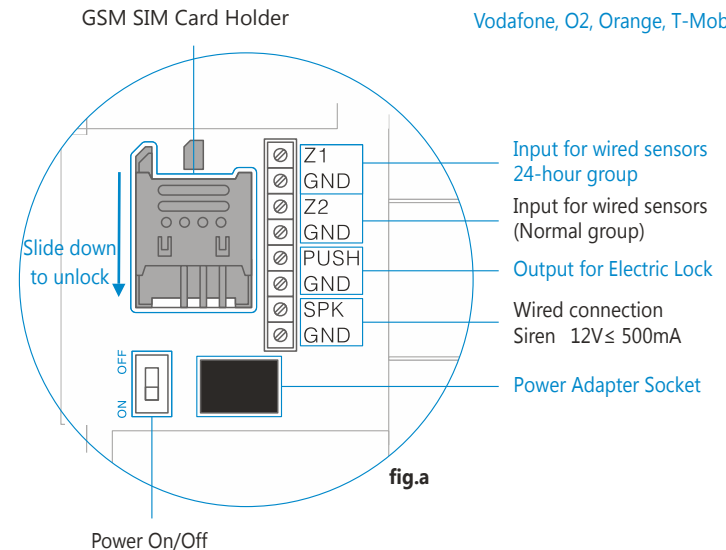
IMPORTANT: The use and set up of the alarm systems requires the sending of text messages. Depending on your network service provider and your plan, you may incur some charges.

IMPORTANT: The Android and/or Apple App both make use of SMS Text messages (not the internet) in order to send the commands to and from the Control Panel.

Turning on the Control Panel

Plug the Power Adapter into the Power Adapter Socket underneath the Control Panel battery cover - then slide the power switch to `On' (see diagram on page 8).

GSM Network Connection Indicator

After switching on the system, the network indicator flashes once every second. This indicates that the Control Panel is searching for a network. When connected to a network the LED indicator will flash once every two seconds.

Note: If the LED indicator continues to flash once every second, the Control Panel has not connected to a network.

Test Mode

The alarm system can be put into Test Mode. This will cause the Panel to beep three times and light up the zone numbers (zones 1-9 only) when a Sensor is triggered, instead of activating the siren.

To enter Test Mode press the 🔒 button on the Control Panel three times until the system beeps once. After 10 minutes the system will automatically exit Test Mode. It is also possible to exit Test Mode by pressing the 🔒 button.

Record Alarm Message

When the alarm is activated the Control Panel will call the pre-programmed phone numbers and play a message. This message can be recorded by pressing the 🛈 button, then the disarm code (default 1234), press the 🛈 button again and finally press the 📟 button, you then have 10 seconds to record a message.

Settings Inquiry by SMS

The settings of the alarm system can be changed by sending an SMS text from your mobile phone. You can request a list of all available SMS commands. The complete menu consists of three parts which can be requested by sending one, two or three

?

'0' Disarm
'1' Arm
'2' Home mode
'3' Two-way talk
'4' Call-back voice memo
'00' Settings inquiry
'??' Store phone and SMS No.

??

'5' Store alarm phone No.
'6' Store alarm SMS No.
'7' Store SMS No. for RFID tags
'8' Store speed dial phone No.
'???' System setups

???

'91~99' Zone name
'10' RFID tags SMS notice
'11' Entry and exit delay time
'12' Siren volume and ringing time
'13' Disarm password
'14' Single zone delay time

Control Panel Operation

Arming the system (Normal Mode)

Press 🔒 . All sensors will be armed.

Part-arming the system (Home Mode)

Press 🏠 . Sensors which are set to the Home Mode group will not be armed when home mode is set. All other sensors in other groups will be armed.

Disarming the system

To disarm the system at the Control Panel enter the 4-digit password (default 1234) and press the 🔓 button. The Panel will beep and the disarm indicator will light up. If you hear three beeps the password is incorrect.

Arming & Disarming the system by RFID Tag

To arm the system using the RFID Tag, pass the Tag across the RFID Reader (blue circle with a house logo), twice within 2 seconds. After 2 seconds the Panel will beep and the arm indicator will light up.

To disarm the system pass the RFID Tag across the RFID Reader once. The system will beep as a confirmation, after 2 seconds another beep will be heard and the disarm indicator will light up.

> **IMPORTANT:** The RFID Tag Reader will only work when the Control Panel is plugged into a Mains Power supply. If your RFID Tag is not working please check that there is power to the Control Panel.
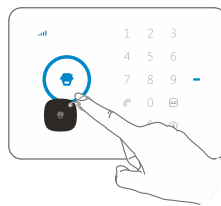
Naming RFID Tags

For identification purposes RFID Tags can be named as shown in the example below (Vicky). If someone arms or disarms the alarm system with an RFID Tag their name will be sent to the pre-stored RFID text number, followed by the arm/disarm message.

Vicky

Vicky has disarmed the alarm system

Mum
Administrator
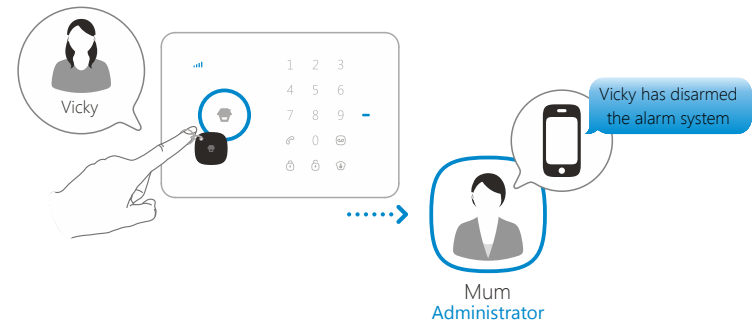
> **IMPORTANT:** The administrator will only receive a notification if the SMS number for the RFID Tag is stored (settings can be found on pages 21 and 24).

Record and play back a personal Voice Message

Press the 📢 button for 3 seconds to record a personal message (max. 10 seconds). If your message is shorter than 10 seconds, press the 📢 button to stop recording. The Voice Message can be played back by pressing the blue circle.
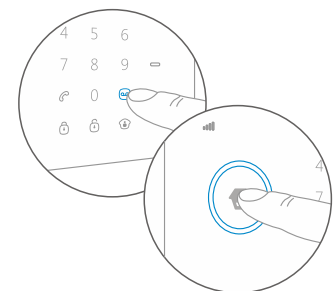
Speed dial

When you press 📞 the system will dial the preset speed dial number immediately. The call ends when you press 📞 again. Instructions on how to store a speed dial number can be found on page 22.

Phone dial

You can directly enter a phone number and press the 📞 button. The system dials out and you can make the call via the Control Panel's built-in microphone and speaker. When you press 📞 again the call is ended.

Disarming the alarm system by SMS

The main menu, received after texting '?', will display the command for disarming the system ('0'). To disarm the system text '0' to the number of the SIM card in the Control Panel.

> **0**

After sending the message you will receive the following message from the Control Panel to confirm the new setting:

> System disarmed.

Arming the system by SMS

To arm the system text '1' to the number of the SIM card in the Control Panel.

> **1**

After sending the message you will receive the following message from the Control Panel to confirm the new setting:

> System armed.

Home Mode (Part-arm) the system by SMS

To Part-arm the system, text '2' to the number of the SIM card in the Control Panel.

> **2**

After sending the message you will receive the following message from the Control Panel to confirm the new setting:

> System in home mode.

Two-way talk

Text '3' to the telephone number of the SIM card in the Control Panel. You will be called back by the system and will be able to listen and speak to the person there.

3

Leaving a message by phone call

Text '4' to the telephone number of the SIM card in the Control Panel. You will be called back by the system. Answer the phone and leave a 10 second message. The message can be played back from the Control Panel by pressing the blue circle.

4
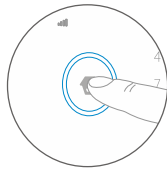
Phone operation when receiving Emergency Call

When the alarm system is triggered the Control Panel will call the set telephone numbers. The following commands can be used to command/operate the alarm system:

SMS command	Input
Disarm	0
Arm	1
Turn off siren	6
Turn on siren	9
Two-way talk	＊
Replay alarm voice message	#

Apple and Android App

The G5 alarm system can also be operated with an App. You can download the App by searching for the keywords 'G5 Alarm' in the App Store or Google Play. Download and install the App on your smartphone.

🔍 g5 alarm

GSM SMS RFID G5 Alarm
Chuango Se

IMPORTANT: The Android and iOS App both make use of SMS Text messages (not the internet) to send commands to and from the Control Panel.

Adding an account

The alarm system can be operated with the G5 Alarm App. When using the iOS App the SMS text message will be set up automatically for every function. Press the 'send' button to send the text message. When using the Android App the text message will be sent in the background without the need for additional confirmation.

Launch the App on your phone and select 'Add account'.

Enter a name for the G5 alarm (e.g. Home Alarm) and enter the mobile number of the SIM card installed in the Control Panel, press 'Done'.

Once the account is added it will appear on the home screen of the App.

IMPORTANT: Starting the SIM card telephone number with the area code of your country (e.g. 0044 for the UK) will allow you to operate the alarm system abroad.

G5 Alarm App overview

All Smartphone screenshots are taken from the iOS App and are accurate at the time of going to print. Android screens may vary.

Arm

Home Arm

Disarm

Record Voice Memo
(Personal Message)
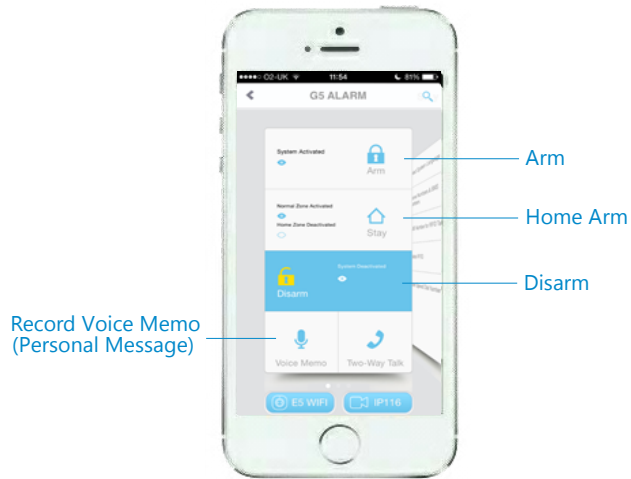
Changing the language

The G5 App can be set to an alternative language via 'Select System Language':
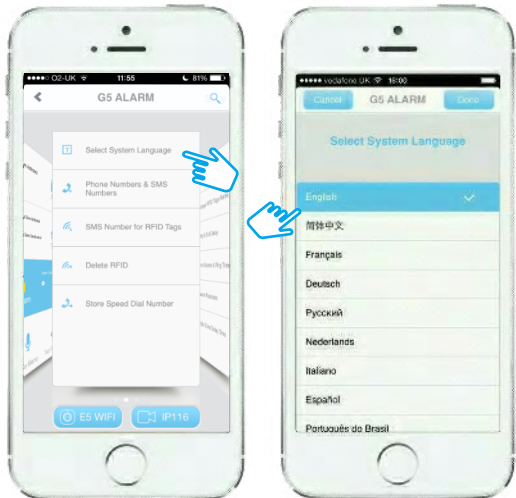
Setting up the Alarm System (with the App and SMS)

The alarm system can be set using the G5 Alarm App, as well as by sending text messages.

Request alarm system status by SMS:

Text '00' to the SIM card telephone number in the Control Panel.

00

After sending the message you will receive the following message from the Control Panel showing the alarm status:

System armed
Entry and exit delay time: 0 sec
Single zone delay time: 30 sec
Siren volume: 2
Siren ringing time: 5 min
Disarm password: 1234

Request alarm system status using the App:

Press the 'Settings Inquiry' button (magnifying glass)

Store emergency telephone numbers

Emergency numbers are the telephone numbers which will be called when the alarm is activated. Text '5' to the Control Panel to receive the current settings.

5

You will receive the SMS message shown below left:

TEL:	Copy the received SMS message entirely and paste it into a new text message.	**TEL:**
1.		**1. 00447917123456**
2.		**2. 00447917234567**
3.	You can enter multiple phone numbers in the same text message. When you have finished the entry send the text.	**3. 00447917345678**
4.		**4. 00447917456789**
5.		**5. 00447917567890**

Note: It is recommended to enter your country area code (e.g. 0044 for the UK) which will allow you to operate the alarm system abroad)

After sending the message you will receive the following message back from the Control Panel to confirm the new settings:

Store alarm phone No. successfully.

Store emergency SMS numbers

Emergency SMS numbers are the numbers that will receive texts when the alarm is activated. Text '6' to to the Control Panel to receive the current settings.

6   You will receive the SMS message shown below left:

SMS:	Copy the received SMS message entirely and paste it into a new text message. You can enter multiple phone numbers in the same text message. When you have finished the entry send the text.	**SMS:**
1.		**1. 00447917123456**
2.		**2. 00447917234567**
3.		**3. 00447917345678**
4.		**4. 00447917456789**
5.		**5. 00447917567890**

Note: Enter the System Administrator's Telephone Number into SMS 1.

After sending the message you will receive the following message from the Control Panel to confirm the new settings:

Store alarm SMS No. successfully.

With the G5 Alarm App this setting can be made as follows:

Enter up to 5 phone numbers and select either or both the phone and SMS icons to the right of each phone number. When you have completed entering the phone numbers press 'done'.

If using the iOS App from the next screen headed 'Tel' press 'send' to set the phone numbers, when sent another screen will appear headed 'SMS' - press 'send' to set the SMS numbers.

If using the Android App pressing 'send' will set both the telephone numbers and SMS numbers in one action.

IMPORTANT: Only phone numbers stored in the alarm system can make changes and modify the system.

Store SMS number for RFID Tags

The SMS number for an RFID Tag is the number the text message will be sent to when a RFID Tag is used to arm or disarm the system.

7

Copy and edit the received text message and send it back with the new telephone number.

SMS No. for RFID tags
(0-20 digits):
1.

SMS No. For RFID tags
(0-20 digits):
1. 00447917123456

After sending the message you will receive the following message from the Control Panel to confirm the new settings:

Store SMS No. For RFID tags successfully.

In the App:

Store speed dial number

In this menu you can assign a phone number that will be stored as speed dial number.

8

Copy and edit the received text message and send it back with the new telephone number.
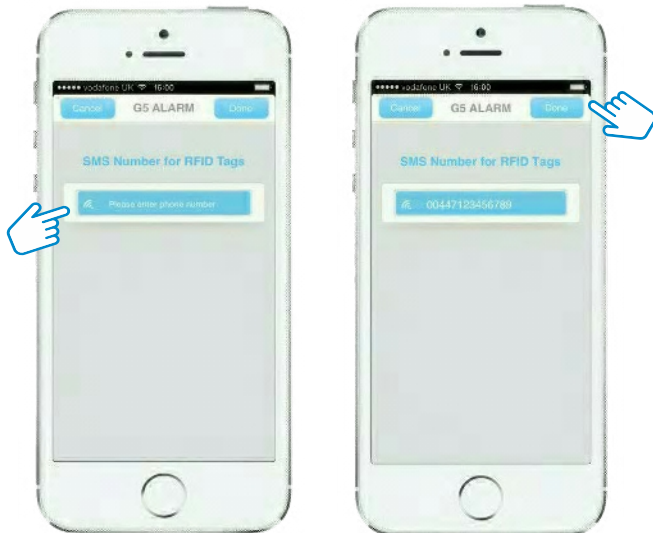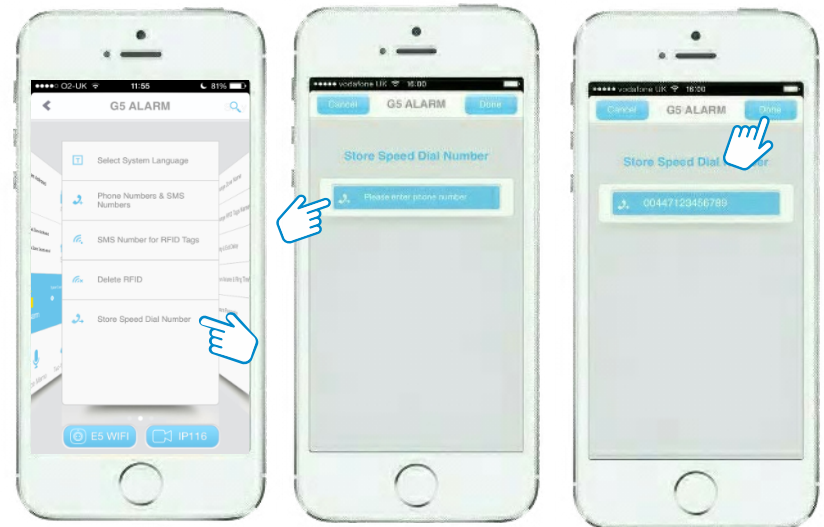
Speed dial phone number
(0-20 digits):
1.

Speed dial phone number
(0-20 digits):
1. 00447717654321

After sending the message you will receive the following message from the Control Panel to confirm the new settings:

Store speed dial number successfully

In the App:

Renaming Sensors

Each Sensor is on a zone. The names of the first 9 zones (1-9) can be changed according to personal preference. Each name can be up to 30 characters.
The names of zone 10 and higher cannot be changed. When sending a text message with '91', '92', '93' to '99' you will receive a message back with the zone number and name. For example: 91 = Zone 1, 92 = Zone 2 ...... 99 = Zone 9.

91

To change the name of the zone copy the received text message and replace 'Zone 1 alarm' with the name of your choice, as shown below:

Zone 1 name: Zone 1 alarm

Zone 1 name: Entrance door sensor

After sending this message you will receive the following message from the Control Panel to confirm the new settings:

Change zone name successfully

In the App:
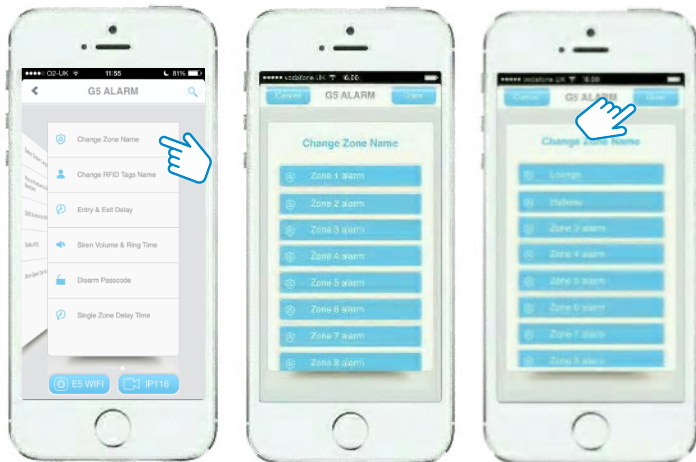
Change RFID Tag name

The Control Panel can be set to notify the nominated SMS number when the first 4 RFID Tags are used to disarm the system. With this menu you can set the names of the first 4 RFID Tags. If the TAG's name remains unchanged the text message will say "Unnamed key tag has armed/ disarmed the system."

10

You will receive the text message shown below.

Copy the message and change the names against each RFID Tag number, as shown in the example below.

Change RFID Tags SMS notice:
1.
2.
3.
4.

Change RFID Tags SMS notice:
1. Vicky
2. Mabel
3. Gillian
4. Jack

After sending this sms you will receive the following message from the Control Panel to confirm the new settings:

Change RFID tags SMS notice successfully

In the App:

Default screen shown   *RFID Tag 1 renamed*

Change entry/exit delay time

The system can be armed with a time delay. When a delay time is set you will hear a beep every second as a warning of this delay. The beep will go faster in the last 15 seconds.(0-300 sec.):

Text '11' to the Control Panel.

11

Copy the message

Entry and exit delay time
(0-300 sec.):
30

adjust the time as example below

Entry and exit delay time
(0-300 sec.):
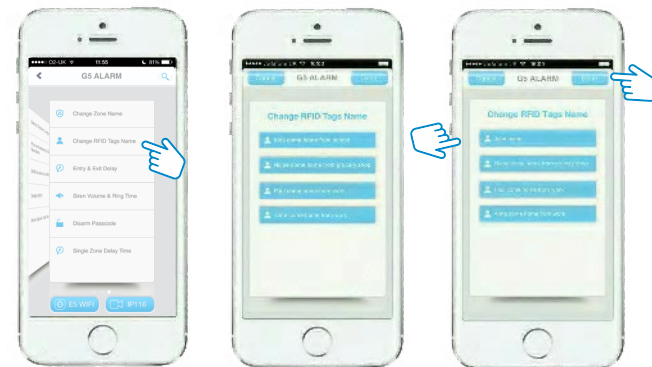40

After sending the message you will receive the following message from the Control Panel to confirm the new settings:

Set delay time successfully.

In the App:

Setting alarm volume and duration

Both alarm volume and duration of the siren can be adjusted in this menu.

Text '12' to the Control Panel. Copy the message and adjust the volume ('0, 1 or 2') of the siren and the duration of the siren as shown below.

12

Copy the message

Siren volume (0 Mute, 1 Low, 2 High):
2
Siren ringing time(1- 9min):
5

adjust the settings as example below.

Siren volume (0 Mute, 1 Low, 2 High):
0
Siren ringing time (1-9 min):
3

After sending the message you will receive the following message from the Control Panel to confirm the new settings:

Set siren volume and ringing time successfully.

In the App:
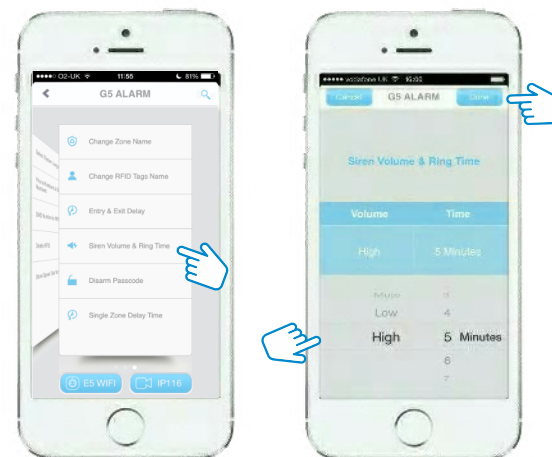
Change disarm password

Text '13' to the Control Panel.

13

Copy the message

enter your new password as example below

Disarm password(4-6 digits):
1234

Disarm password(4-6 digits):
8888

After sending the message you will receive the following message from the Control Panel to confirm the new settings:

Set disarm password successfully

In the App:

Setting Single Zone delay time

Any Sensor can be set to 'Single Zone Delay'.

Text '14' to the Control Panel.

14

Copy the message:

adjust the delay time as example below:

Single zone delay time (0-300 sec.):
30

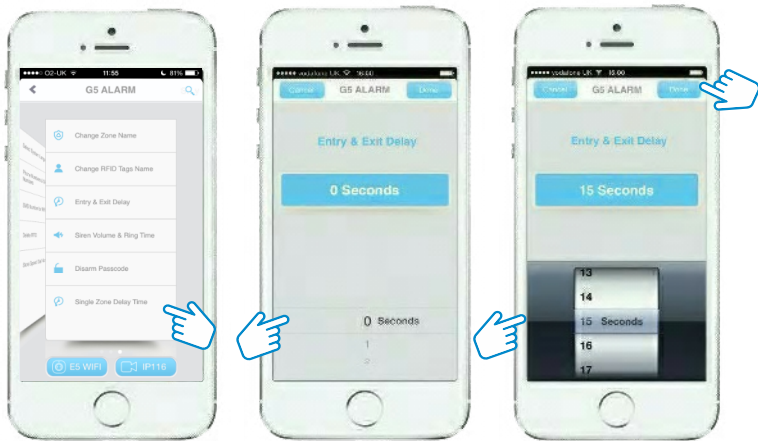Single zone delay time (0-300 sec.):
15

After sending the message you will receive the following message from the Control Panel to confirm the new settings:

Set single zone delay time successfully

In the App:

Delete Wireless Accessories

All Accessories (Wireless Sensors, RFID Tags and Remote Controls) can be deleted from the system by entering the user code on the Control Panel and holding down the Full Arm button until two beeps are heard (3 seconds). Accessories can also be removed by texting '21'.
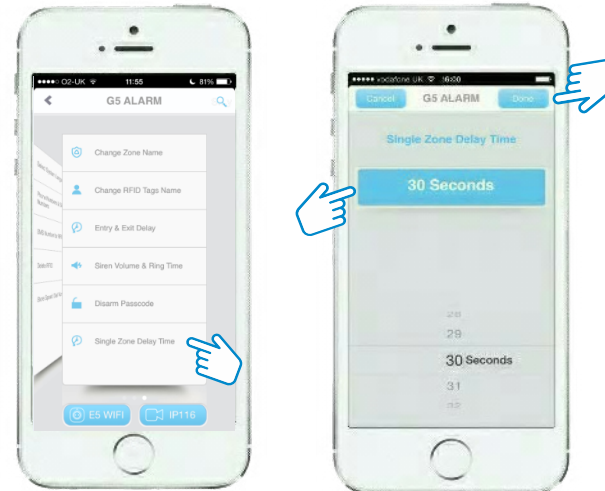
21

After sending the message you will receive the following message from the Control Panel to confirm the new settings:

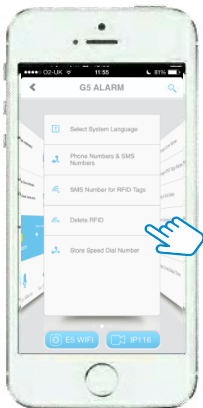Delete wireless sensors successfully

Delete all RFID Tags by SMS & App

All RFID Tags can be deleted by texting '22' to the SIM card number in the Control Panel.

22

After sending the message you will receive the following message from the Control Panel to confirm the new settings:

Delete RFID tags successfully

In the App:

Delete all Remote Controls by SMS

All Remote Controls can be deleted by texting '23' to the SIM card number in the Control Panel.

23

After sending the message you will receive the following message from the Control Panel to confirm the new settings:

Delete remote controls successfully

Restore system to default setting

Also called a 'hard reset'. The system can be restored to factory settings by texting '0000' to the SIM card number in the Control Panel.

0000

SMS low battery notification (Sensors)

Note: The administrator receives an SMS message when a Sensor battery is low. The message contains the Sensor name (for Sensors on zones 1 to 9) and the message 'low battery'. The message for Sensors on zone 10 and above will be the Sensor number and the 'low battery' message.

SMS tamper notification (Sensors)

Note: this feature applies to Sensors with a built-in tamper switch. You will receive a message if a Sensor is sabotaged. The message for Sensors on zones 1-9 shows the Sensor name and the message 'tamper alarm'. The message for Sensors on zones 10 and above show the Sensor number and the 'tamper alarm' message.

Arm & Disarm by free phone call

To arm the alarm system by free phone call, call the SIM card telephone number in the Control Panel. When you hear the dial tone hang up. The Control Panel will be armed and will call you back with 2 rings to confirm.

To disarm the alarm system by free phone call, call the SIM card telephone number. After 6 rings the system will terminate the call (the Control Panel won't answer the call). The alarm system will not call you back this time and will be disarmed.

> IMPORTANT: To arm or disarm the alarm system make sure that voicemail is disabled on the SIM card of the alarm system.

Connect additional Wireless Accessories & RFID Tags

Connect additional Wireless Sensors

The included sensors are already paired with the Control Panel by default.
To pair an additional PIR Sensor refer to the instructions on page 36.
To pair an additional Door/Window Sensor refer to page 40.

Connect additional RFID Tags

Enter the password and press the 🔘 button on the Control Panel. The button lights up.

Hold an RFID Tag in front of the blue circle on the Control Panel. When you hear a beep from the Control Panel the RFID Tag is paired successfully. If you hear the Control Panel beep twice the RFID Tag has already been paired.

> IMPORTANT: The RFID will only function when the Control Panel is connected to mains power.

Connect and delete Wireless Sirens

The Siren is an additional accessory. Press the connect button on the Siren Unit for 0.5 seconds. The Siren will beep once and its LED starts to flash. Now press the 🔘 arm button on the Control Panel. You will hear a single beep when paired successfully. To delete the Siren hold the connect button on the Siren for about 5 seconds until a double beep is heard. The Control Panel is now deleted from the Siren.

Remote Control

Remote Control overview

Arm
Home Mode (Part-arm)
LED Indicator
Disarm
SOS button
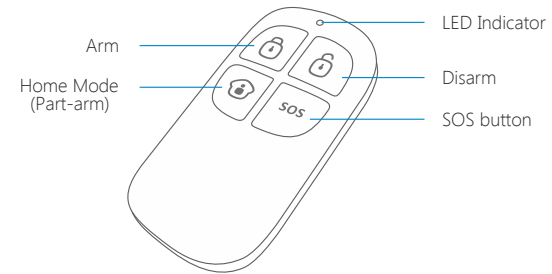
Arm
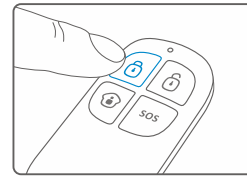
Press 🔘 to arm the alarm system. The LED indicator will light up and the Siren will beep once to confirm the alarm system is armed.

Disarm

Press 🔘 to disarm the alarm system. The LED indicator will light up and the Siren will beep twice to confirm the alarm system is disarmed.

Home Mode (Part-arm)
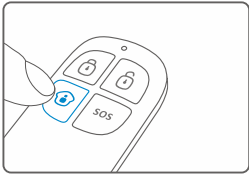
Press 🔘. All sensors in the normal group will be armed. All sensors in the home group will be inactive. This means you can part arm the house.

Mute Mode
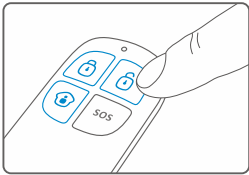
Press and hold the 🔘 button for 1 second, and then press 🔒 or 🔓 within 3 seconds. The alarm system will be armed or disarmed without the external siren making any noise. The alarm system can be controlled without disturbing neighbours.

Emergency Call

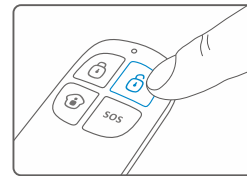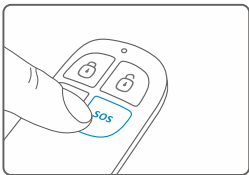Pressing the SOS button on the Remote Control will activate the alarm immediately (whether the system is armed or disarmed). The Siren will sound at the Control Panel and external Siren (if fitted).

Connect a new Remote Control

Enter the password on the Control Panel and press 🔘 the button. The 🔘 button will light up.

Press a button on the Remote Control to connect with the Control Panel.
The Control Panel will beep once when paired successfully. It will beep twice if it has already been paired.

Pet Friendly PIR Sensor

PIR Sensor overview

1. Detection windows
2. LED indicator
3. Wall mount
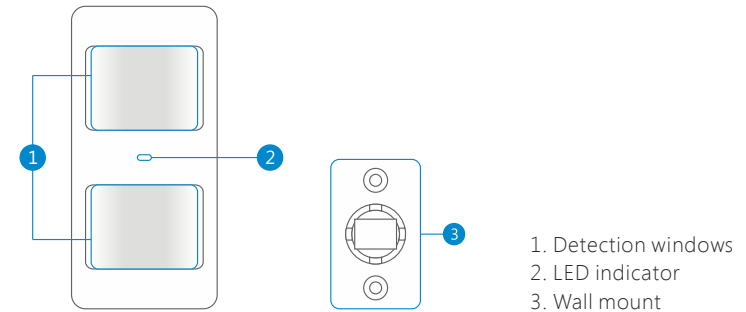
LED Indicator

Blink continuously : Motion Sensor performs a self-testing
Blink once : Motion detected
Blink twice : 3 minutes testing is finished, enters power saving mode.
: Low battery indication, please change the batteries immediately

Note: When the PIR battery level is low the Sensor will send an SMS message to the administrator for notification.

PIR Sensor (inside)

LED ON / OFF Jumper Switch

Infrared Sensor

AA 1.5V LR6

AA 1.5V LR6

Tamper Switch

Infrared Sensor

Group Setting

Infrared Sensors

The Infrared Sensors detect movement. These Sensors must therefore always be clean. Do not touch the Sensor!

Tamper Switch

When opening the housing of the PIR Sensor the tamper switch will be triggered and the Sensor will send a signal to the Control Panel.

LED On/Off

The LED indicator at the front of the PIR Sensor can be turned off by moving the J2 bridge inside the PIR from the top two pins to the bottom two (indicated as 'OFF').

PIR Sensor (back)

Test Mode

After self-testing, press the test button once. The PIR Sensor will emit a detection signal (LED flash once). The Sensor will stay in that mode for 3 minutes and detect a movement every 10 seconds.

Test button
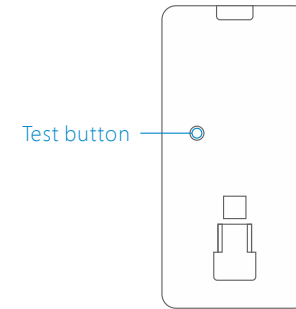
Power Saving Mode

When the PIR detects motion 2 times in 3 minutes it automatically goes into power saving mode. When no movement is detected in the next 3 minutes it will set itself back to working mode. During the 3 minutes the Sensor won't be activated and will not send a signal to the Control Panel.

Connecting PIR Sensors

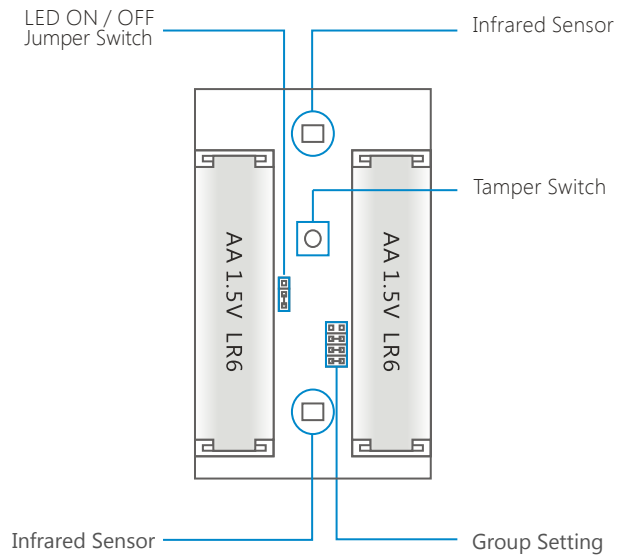IMPORTANT: When pairing a PIR Sensor to the Control Panel make sure other Sensors are not triggered. Cover other Sensors or put them temporarily in a room where there is no movement.

Enter the password on the Control Panel and press the ⊕ button. The ⊕ button will light up. Now press the test button at the back of the PIR Sensor twice. The Control Panel will beep once when pairing is successful. If the system beeps twice, this means that the Sensor has already been paired.

Installing a PIR Sensor

Avoid installing the Sensor directly facing a window, near air conditioning, heating, a refrigerator, oven, in direct sunlight and places where the temperature fluctuates. Also avoid placing two Sensors opposite each other; or within each others detection range.

2.2m
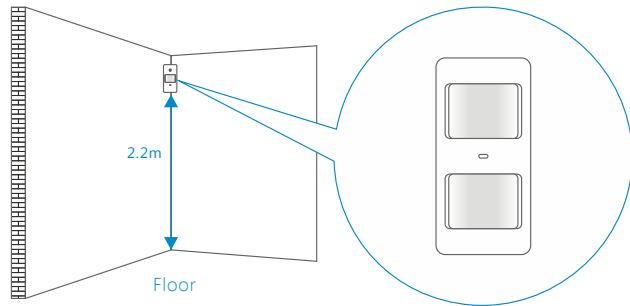
Floor

Note: The ideal mounting height of the Sensor is 2.2 metres from the floor.
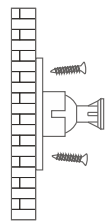
Mount the bracket using the screws supplied as shown in the figure on the left. Then place the Sensor in the bracket. Position the PIR to cover the required detection range. Test the operation of the PIR by putting it into test mode, as described on page 36.
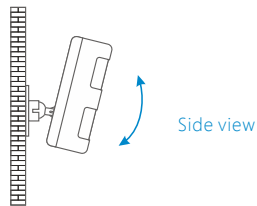
Side view
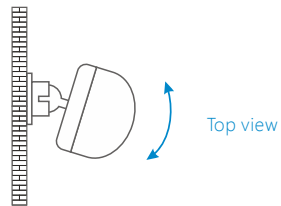
Top view

IMPORTANT: If the PIR Sensor is used in a room where pets are permitted fit the Sensor vertical to the wall and do not tilt it downwards.

PIR Sensor Test Mode

1. Once the Sensor is fully installed and active it can be tested. Press the test button once and walk from left to right or right to left in the room. The LED indicator will flash once when motion is detected.

2. Adjust the angle of the Sensor if needed to obtain the best results.

3. Repeat step 1 and 2 to test the new angle.

110°

0m   2m   4m   6m   8m

2m

0m
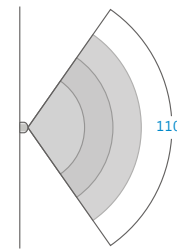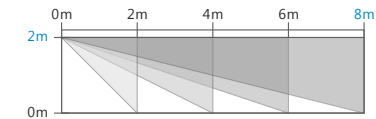
Top view   Side view

Wireless Door/Window Magnetic Sensor

Door/Window Sensor (front)

LED Status Indicator

Transmitter

Magnet
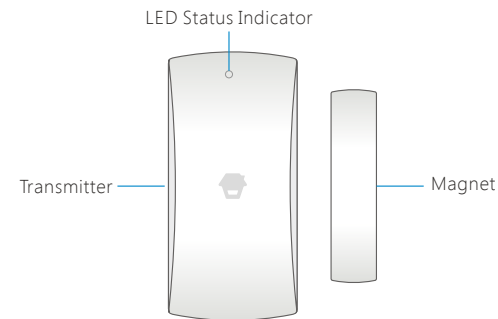
LED Indicator

Blink once   : Door/window open detected
Blink once per 3 seconds   : Low battery indication, please change the batteries
                                         immediately.

Note: When the battery level is low the administrator will receive a SMS notification.

Door/Window Sensor (inside)

When opening the housing of the door/window
sensor the tamper switch will be triggered and it
will send a signal.

If the Control Panel is set to Test Mode the Control
Panel will beep only (it will not be triggered).

Tamper switch

Group setting

AA 1.5V LR6
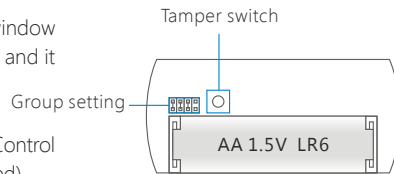
Installation tips

The door/window sensor can be installed on doors, windows or any other objects that
can be opened or closed. When installing on a window or door the transmitter (large
part) should be applied to the frame and the Magnet to the window itself.
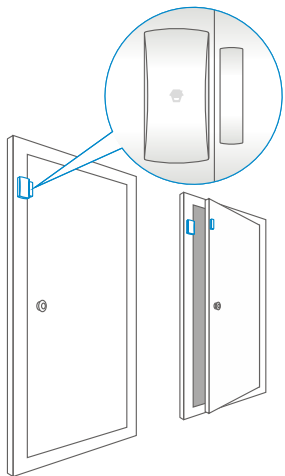
The LED indicator will blink once when the transmitter
and magnet are separated by more than one
centimetre.

The distance between the transmitter and magnet
must not be over one centimetre in the closed position.

Apply both parts with the double-sided tape provided.

Avoid placing the door/window contact in an area
where there is a lot of metal present as this may affect
performance. Always check if the LED indicator blinks
when opening the door or window.

IMPORTANT: The triangle on the Transmitter and the triangle on the
Magnet must face each other.

Connecting a Door/Window Sensor to the Control Panel

1. Make sure the Magnet is placed next to the Transmitter (within 1 centimetre)
2. Enter the password on the Control Panel and press 🔘 button
3. The 🔘 button will light up
4. Separate the Transmitter and Magnet more than 1 centimetre from each other
5. The Sensor will be triggered

The Control Panel will beep once when connection is successful.
If the System beeps twice the Sensor has already been connected.

Electric Lock Output

The connector of PUSH and GND of the Electric Lock must be connected to the output
connector of PUSH and GND at the back of the Control Panel. Refer to diagram on
page 8.

When disarming a system with an Electric Lock connected to the Control Panel, the
Control Panel will send a signal and the lock will automatically open.

Note: A door which is equipped with an electric lock may open automatically if there is a power
failure. It is suggested that a backup power supply should be fitted to an electric lock to ensure
operation in the event of a power failure.

Control Panel Installation
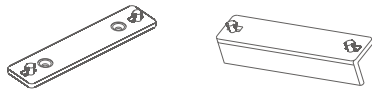
Wall Mount   Desk Stand

Wall Mount

When mounting the Control Panel to the wall, first install the wall mount using the screws supplied, then slide the Control Panel into the wall mount in an upward motion. The wall mount secures the tamper switch in place.

Desk Stand

With the desk stand it is possible to place the Control Panel on a flat surface. The desk stand can be mounted on the Control Panel by sliding it upwards.

Technical Specifications

Control Panel

Power Supply	12V DC 500mA
GSM Frequency	850 / 900 / 1800 / 1900MHz
Standby Current	≤ 110mA
Alarm Current	≤ 340mA
Transmitting Distance	≤ 80m(open area/no interface)
Back-up Battery	Lithium-Ion battery 3,7V 800mA BL-5B (2x)
Built-in Siren	95dB
Maximum Wireless Accessories	10 x Remote Control 50 x Sensor 50 x RFID Tag
Radio Frequency	433.92MHz
Housing Material	ABS plastic+Acrylic
Temperature	-10 to +55 degrees celcius
Relative Humidity	≤ 80% (non-condensing)
Dimensions (LxWxH)	188 x 132 x 26 mm

Wireless PIR Motion Sensor

Power Supply	3V DC (2 x AA 1,5V LR6)
Standby Current	≤ 90uA
Alarm Current	≤ 9.5mA
Detection Range	8 m / 110°
Pet Immunity	≤ 25kg
Wireless Transmitting Distance	≤ 80 m (open field/no interference)
Radio Frequency	433.92MHz
Housing Material	ABS plastic
Temperature	-10 to +55 degrees celcius
Relative Humidity	≤ 80% (non-condensing)
Dimensions Detector	108 x 52 x 36.8 mm
Dimensions Bracket	52 x 30 x 26.5 mm

Wireless Door/Window Magnetic Sensor

Power Supply	1,5V DC (1 x AA 1,5V LR6)
Standby Current	≤ 35uA
Alarm Current	≤ 10mA
Wireless Transmitting Distance	≤ 80 m (open field/no interference)
Radio Frequency	433.92MHZ
Housing Material	ABS plastic
Temperature	-10 to +55 degrees celcius
Relative Humidity	≤ 80% (non-condensing)
Dimensions Transmitter	71 x 34 x 17.5 mm
Dimensions Magnet	51 x 12 x 13.5 mm

Wireless Remote Control

Power Supply	DC 3V (1 x CR2025 button cell battery)
Transmit Current	≤ 7mA
Wireless Transmitting Distance	≤ 80 m (open field/no interference)
Radio Frequency	433.92MHz
Housing Material	ABS+PC plastic
Temperature	-10 to +55 degrees celcius
Relative Humidity	≤ 80% (non-condensing)
Dimensions	58 x 31 x 9.5mm

RFID Tag

Circuit	EM4100 CMOS
Radio Frequency	125KHz
Dimensions	30 x 30 x 6mm

Electrical products should not be discarded with household products. According to the European Directive 2002/96/EC on waste electrical and electronic equipment and its implementation into national law, electrical products used must be collected separately and disposed of at collection points provided for this purpose.

For recycling advice speak to your Local Authority or Supplier.

CAUTION: RISK OF DAMAGE IF BATTERY IS REPLACED BY AN INCORRECT BATTERY TYPE. DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS.

Troubleshooting

in the first instance check that all device batteries are operational.

Problems	Reason/Solution
Control Panel doesn't start up	Confirm whether the power supply is connected correctly
	Make sure the power is on and the Control Unit is 'ON'
Remote Control doesn't work	Check whether the LED indicator on the Remote Control lights up when pressing each button
	Check whether the Remote Control is paired to the Control Panel successfully
	The distance between the Control Panel and the Remote Control is too great
Door/Window Sensor doesn't work	Check whether the LED indicator lights up when magnetic separates from transmitter. If not - change the battery
	Door/window Sensor is too far away from the Control Panel
	Check whether the system is in armed state
	Check the space between the magnet and the transmitter is within 1 centimetre
PIR Sensor is triggered but the Control Panel doesn't alarm	Press the test button of the Sensor continuously in armed state. If the Control Panel does not alarm, please re-pair the PIR to the Control Panel
	The Sensor is too far away from the Control Panel
	Check if the Sensor has entered a sleeping state
	Check if the battery is exhausted

Troubleshooting

The Control Panel doesn't respond to SMS instruction	Make sure the SIM card is inserted correctly
	Insert the SIM card prior to powering up
	Check that the SIM card is to the correct GSM standard
	Check that the SIM card has credit available
	Check that the SIM card has enabled Caller ID Display function, text function
Alarm activation phone calls not received	Check that the alarm notification number has been Stored correctly
	After alarm activation do not disarm the system immediately otherwise the system will stop calling
	Check that the SIM card has available credit
No sound when sending out alarm	Check that the Control Panel volume is set to 'mute'; Reset alarm ring volume by SMS or App
Door/Window Sensor battery lifespan	The Door Sensor has one AA battery, and its service life is approximately 8-12 months. For example: where a property is unoccupied during the day, its standby time is 12 months; properties with a constant flow of people, the battery life may be reduced to around 8 months
PIR Sensor battery lifespan	The PIR Sensor has two AA batteries whose service life is approximately 8-12 months. For example: where a property is unoccupied during the day, its standby time is 12 months; properties with a constant flow of people opening and closing doors frequently, the battery life may be reduced to around 8 months
No response when swiping RFID Tag	RFID function can be used only after the Control Panel is connected to the power adapter
	Check that the RFID Tag is paired to the Control Panel. If not pair it again

SMS notification not sent when swiping RFID Tags	Check if RFID SMS notification number and RFID Tags names are stored
Sensors, Remote Controls and other Accessories don't respond after the Control Panel is re-positioned	The tamper switch could have been pressed three times whilst moving the Control Panel resulting in the connection between the Control Panel and the Accessories being cleared. Try re-linking the Accessories to the Control Panel
Message: 'SMS phone number is unauthorized."	Check that the SIM card has enabled Caller ID Display function.
	Check that the mobile phone number is set as alarm number
GSM Network indicator blinks	When the GSM Network Indicator blinks once per second the network is being searched. When the indicator blinks once every two seconds a network has been found.
Motion Sensor doesn't seem to work properly	When the PIR Sensor is triggered 2 times in 3 minutes it automatically goes into power saving mode. When no movement has been detected in the next 3 minutes it will set itself in the normal mode. During these 3 minutes the Sensor will not be active and a signal will not be sent to the Control Panel, if motion is detected within the 3 minutes power saving mode will be extended.
External Solar Siren doesn't beep on arm and disarm	If the External Solar Siren is used in conjunction with a G5 Control Panel, it will only beep when armed/disarmed from the Remote Control or additional Keypad, otherwise the confirmation beeps will come from the Control Panel only.

Cautions

Always follow the instructions in the manual. Incorrect or improper uses of the device may result in injury.

Any repairs must be carried out by a miGuard Authorised Repair Centre.

Misuse of or attempted repairs to any component part of the product will invalidate the warranty.

> Note: Operating and installation manuals are made with the utmost care. Due to new technological developments, we cannot guarantee that this manual contains the latest product information or technical data.

> Note: If you experience problems following the printed instructions, always visit our website www.responseelectronics.com where the most recent manual is available for download.

Warranty Terms

The one year warranty applies to all miGuard products unless otherwise specified at the time of purchase. When buying a second-hand miGuard product the product warranty remains measured from the time it was bought by the original owner. Power supplies, batteries, antennas and all other products integrated in or directly connected with the main product or products that may reasonably be assumed to have a different wear pattern than the main product are therefore not covered by the miGuard guarantee. The warranty does not apply to incorrect or improper use, external influences and/or opening of the housing has been undertaken by parties other than MiGuard.

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> Ash Vale
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>
> Tel: 0345 257 1000
>
> www.responseelectronics.com

Notes

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Sensor	Sensor type	Name	Group			
			Normal	Home	24/7	Single
Zone 1	Door/window Sensor					
Zone 2	Motion Sensor					
Zone 3						
Zone 4						
Zone 5						
Zone 6						
Zone 7						
Zone 8						
Zone 9						
Zone 10						
Zone 11						
Zone 12						
Zone 13						
Zone 14						
Zone 15						
Zone 16						

Download the G5 Alarm App