EASYHOME

INSTALLATION AND OPERATING MANUAL

VALIANT

Solar Siren Alarm Kit

ERA

EC DECLARATION OF CONFORMITY

DoP Nº: EM0017

Applicable Products:

ERA - HomeGuard
ERA - HomeGuard Pro
ERA - VALIANT-Red Lens

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The products described above are in conformity with the Radio Equipment Directive 2014/53/EU.

Standards: **Control Unit**

EN 301 489-1 V2.1.1: 2017/ EN 300 220-1 V3.1.1 2017
EN 62368-1: 2014/ EN 62311:2008
EN 301 489-3 V2.1.1 2017/ EN 300 220-2 V3.1.1 2017
EN 301 511 v12.5.1:2017/ EN 301 489-52 v1.1.0: 2016
EN 300 328 V2.1.1: 2016/ EN 301 489-17 V3.1.1: 2017

Standards: **Door Sensor**

EN 301 489-1 V2.1.1: 2017/ EN 301 489-3 V2.1.1: 2017
EN 300 220-1 V3.1.1 2017/ EN 300 220-2 V3.1.1: 2017
EN 62479: 2010/ EN 62368-1: 2014

Standards: **PIR Sensor & Remote Control**

EN 301 489-1 V2.1.1: 2017/ EN 300 220-1 V3.1.1: 2017
EN 301 489-3 V2.1.1: 2017/ EN 300 220-2 V3.1.1: 2017
EN 62479: 2010/ EN 62368-1: 2014

Signed for and on behalf of **ERA Home Security Ltd**:

Ben Penson:
Technical & Quality Director
29/09/2017

ERA

IMPORTANT

PLEASE READ THIS MANUAL CAREFULLY BEFORE OPERATING
THE SYSTEM AND RETAIN FOR FUTURE REFERENCE.

All devices, with the exception of the external siren are suitable for mounting
in dry interior locations only.

Any repairs must be carried out by an Authorised Repair Centre. Misuse
or attempted repairs to a component part of the product will invalidate the
warranty. The photocopying, copying, reproduction, translation to any language,
modification, storage in a retrieval system or retransmission, in whole or in part,
in any form or by any means, electronic, mechanical or otherwise of this manual,
is strictly prohibited without the prior written permission of ERA Home Security.

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 the product's 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.

Declaration of Performance
This equipment complies with the essential requirements of the Radio and
Telecommunications Terminal Equipment Directive, 1999/5/EC.

Additional Accessories
This can easily be extended at any time with the range of ERA Wireless Alarm
Accessories for details visit www.erahomesecurity.com or call our Customer
Support team on 0345 257 2500 (local call rate).
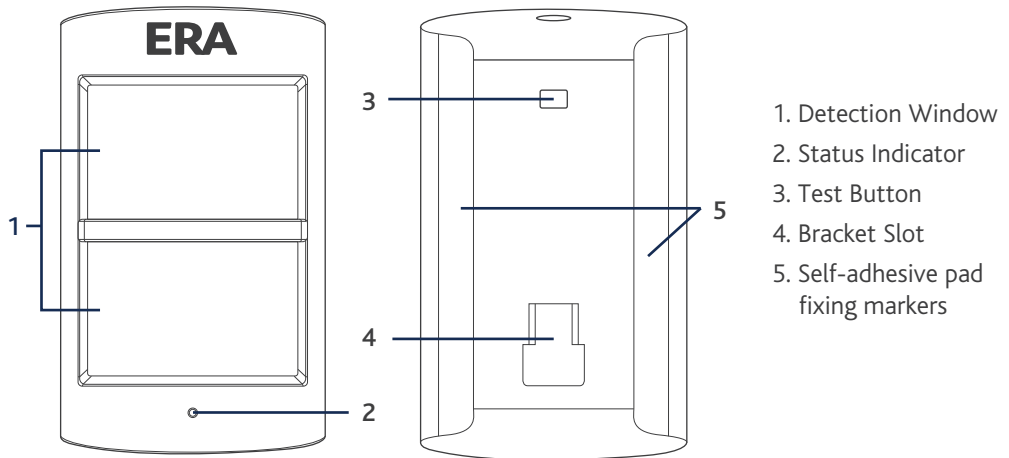
TABLE OF CONTENT

KIT CONTENTS

- Wireless Solar Siren x 1
- Door/Window Sensor x 1
- PIR Motion Sensor x 1
- Remote Control x 1
- Batteries Included

1. PIR MOTION DETECTOR

1.1. Get to know your product

1. Detection Window
2. Status Indicator
3. Test Button
4. Bracket Slot
5. Self-adhesive pad fixing markers
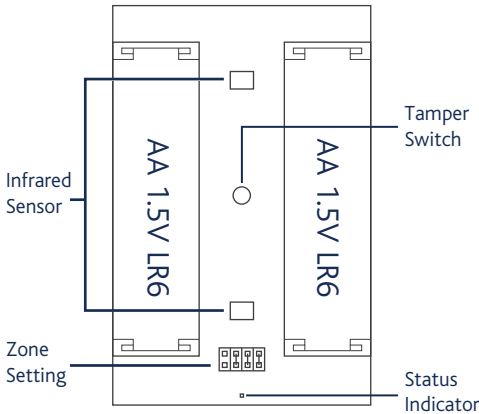
1.2. LED Indication

Flashes every 2 seconds: Self-testing state

Flashing twice: Self testing finished, enters working mode

Flashes once: Movement is detected

Flashes once every 3 seconds: Low battery indication (immediate battery change required).

1.3. PCB Layout

Infrared Sensor: Detects movement and triggers an alarm signal when the system is armed.

Tamper Switch: If the casing is opened when in 'working state', the tamper switch will be triggered and generate an alarm signal.

1.4. Test Mode

1. Remove the activation strip. Fit the retaining screw supplied.

2. Self-testing will commence for 1 minute as indicated by the LED flashing every 2 seconds.

3. To enter Test Mode press the test button at the back of the PIR. The LEDs will then flash once when movement is detected, for up to 3 minutes.
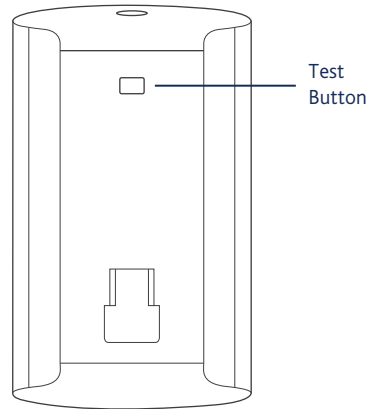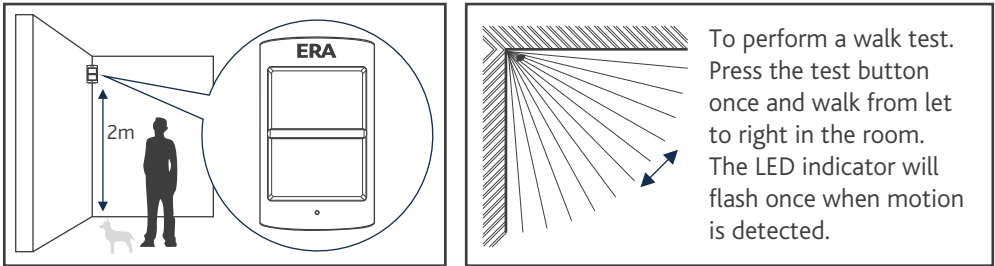
1.5. Working Mode

1. To test in Working Mode, walk in front of the sensor, the LED should flash once when movement is detected.

2. If the sensor is triggered twice in 3 minutes it will enter into power saving (sleep mode). If no movement is detected within the next 3 minutes, the sensor will return to normal working mode.
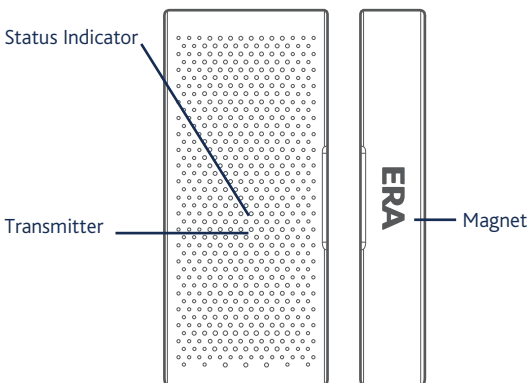
1.6. Installation

1. Avoid mounting the sensor in areas where draughts may be present or where the temperature may fluctuate greatly, such as near to windows, air conditioning, heating, refrigeration units, cooking appliances and direct sunlight.

2. Where possible, mount the sensor in the corner of the room so that the logical path of an intruder would cut across the fan detection pattern. A PIR responds more effectively to movement across the device that to movement directly towards it.

    a. Fit the sensor in a position that will cover your desired protection area: Fix the bracket to the wall with the fixings kit supplied. For optimum performance set the height of the bracket to 2 metres above ground level.

    b. Adjust angle of the PIR sensor to cover the required detection area.

To perform a walk test. Press the test button once and walk from let to right in the room. The LED indicator will flash once when motion is detected.

2. MAGNETIC DOOR/ WINDOW SENSOR

2.1. Get to know your product

Status Indicator

Transmitter

Magnet

Suitable for fitting to doors, windows and any object that opens and closes.

The Window/door sensor transmits a signal to the control panel/siren when 'contact' is broken between the transmitter and the magnet.
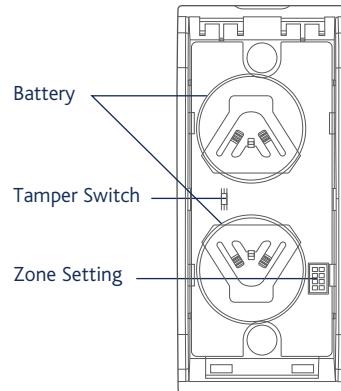
Transmits a low battery signal to the ERA alarm control panel.

2.2. LED Indication

Flashes once: Door/window opened, transmitter sends the signal to the control panel/ siren.

Flashes every 3 seconds: Low battery indication (immediate battery change recommended)

PCB Layout

Battery

Tamper Switch

Zone Setting

2.3. Installation

1. Carefully remove the activation strip from the battery compartment.

2. Remove the backing paper from one side of each self-adhesive double-sided strip. Fix one strip to the back of the magnet and one to the back of the transmitter.

3. Peel off the other side of each adhesive strip. Mount the magnet on the door and the transmitter on the door frame, with less than a 1cm separation between the two.

4. When opening the door a small red indicator lights up briefly, this indicates that the transmitter has sent a signal to the control panel.
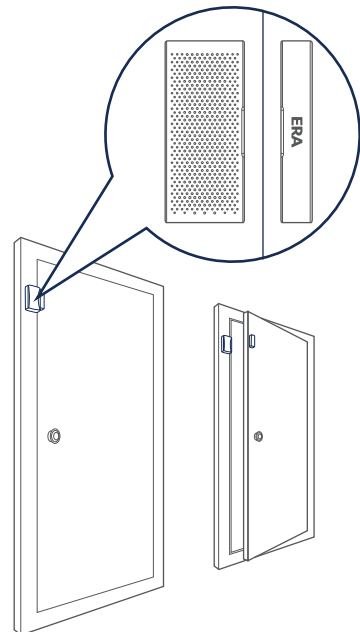
Note: *Please refer to the full system instructions for pairing a magnetic sensor.*
Do not use the button on the back of the sensor to pair the sensor to the alarm as this will put the sensor into 24hour mode.

3. REMOTE CONTROL

3.1. Get to know your product
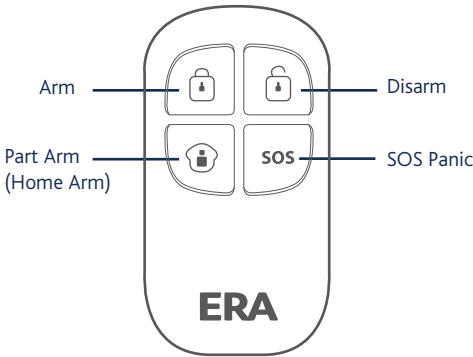
The remote control enables you to quickly and conveniently arm and disarm your alarm system.

In the event of an emergency (when in or near your property), pressing the SOS button will trigger the an alarm on the control panel/siren.

LED Indication

Flashes Once: Transmits the signal
Low Light Level: Low battery indication, change the battery.

3.2. Buttons/Functions

🔒	Arm	Press to arm the control panel/siren and all of the accessories (Full Arm)
🔓	Disarm	Press to disarm the system
🏠	Part Arm (Home Arm)	Press to part arm the alarm system (for systems with control panels only)
SOS	Panic Alarm	Press to activate the panic alarm (SOS).
🏠 + 🔒	Mute Arm	Press to arm the system with the solar siren in muted/silent mode.
🏠 + 🔓	Mute Disarm	Press to disarm the system with the solar siren in mute/silent mode.

Note:

1. For Mute Arm & Mute Disarm operation; press the home button for 1-2 seconds, then press the Arm or Disarm button for a further 1-2 seconds.

2. The Mute Arm/Disarm will only be performed once before returning to sound. So the Mute Arm/Disarm process would have to be done each time it is required.

3. By default arm/disarm is with sound.

4. SOLAR CHARGED SIREN

4.1. Positioning

Install the Siren to the outside of the building in a position that is clearly visible and at a height which is relatively inaccessible to an intruder.

The Siren is designed to work on any aspect wall, however for optimum performance try to avoid installing on a north facing wall or to a wall with shadows cast by other buildings, trees and roof overhangs.
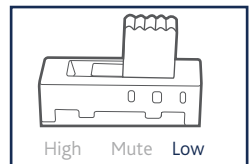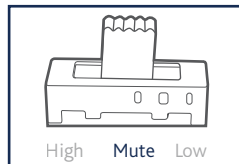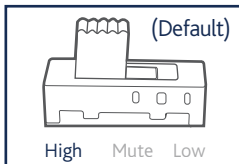
For optimum radio signal reception mount the Solar Siren to Maximum distance of one metre from any external or internal metalwork (drainpipes, gutters, radiators, etc).
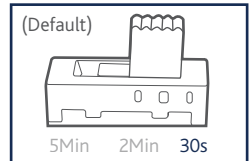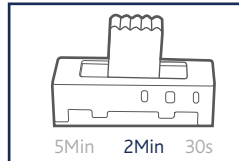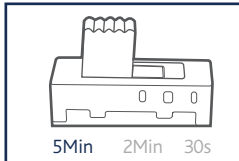
4.2. PCB Layout
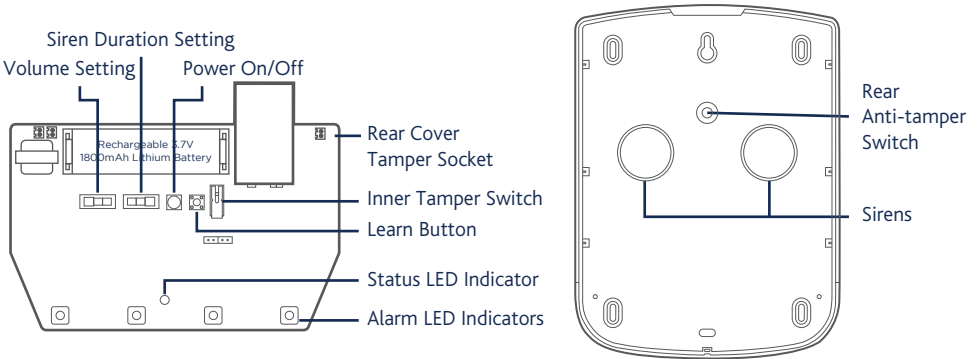
4.3. Jumper Setup

4.4. Usage

Please connect the 9V battery and press the power on/off button prior.
Please note: after charging the battery for 12-24 hours, please remove the 9V battery.
When installed as part of an ERA Alarm System, the Siren must be registered to the control panel only.
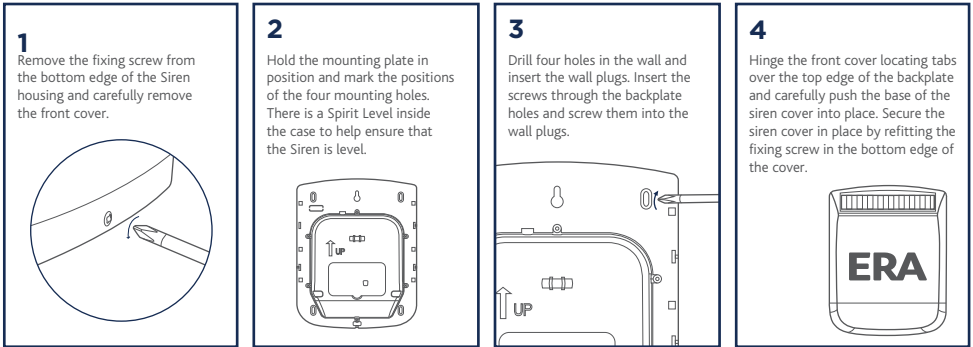
Connecting to a Control Panel

1. Press the Learn button on the Solar Siren (0.5 seconds), the system goes into Learn Mode after one beep is heard.
2. Press the Arm Button on the Control Panel app.
3. The Wireless Accessory is learned successfully after a second beep. If two beeps are heard, the accessory is already linked.
4. To finish learning the siren, press the Learn button on the siren again to exit Learn Mode after one beep.
5. The Control Panel is now Armed, press Unlock to Disarm the Control Panel.
    The Siren arms 15 seconds after the Control Panel - please consider this when testing the Siren. The Siren will sound and the strobe lights will flash upon alarm activation. Disarming the system will stop the siren sounding. If not disarmed the Siren Status Indicator will flash once every 2 seconds for one hour (visual notification of an alarm event).

When installed as a Siren only Alarm System (without a Control Panel), all of the Alarm Accessories must be registered to the Siren.

Connecting a Wireless Accessory to the Siren

1. Press the Learn Button on the Solar Siren (0.5 seconds), the system goes into Learn Mode after one beep is heard.
2. Press the Test Button on the Accessory or trigger the Accessory once.
3. The Wireless Accessory is learned successfully after a second beep. If two beeps are heard, the accessory is already linked.
4. To finish learning the Accessories, press the Learn Button on the Siren again to exit Learn Mode after one beep. The 'Arm' button will arm the siren with a 15 second exit delay. Sensors on the 'single delay' will have an entry delay of 15 seconds before the alarm sounds (unless disarmed by the Remote Control during the delay period). Sensors on the 'normal zone' will activate the alarm without a delay, i.e. the Siren will sound immediately. The Siren will sound and the strobe light will flash upon activation of a connected Accessory. Disarm the system to stop the siren sounding. If not disarmed the Siren status indicator will flash once every 2 seconds for one hour (visual notification of an alarm event).

4.5. Installation

1
Remove the fixing screw from the bottom edge of the Siren housing and carefully remove the front cover.

2
Hold the mounting plate in position and mark the positions of the four mounting holes. There is a Spirit Level inside the case to help ensure that the Siren is level.

3
Drill four holes in the wall and insert the wall plugs. Insert the screws through the backplate holes and screw them into the wall plugs.

4
Hinge the front cover locating tabs over the top edge of the backplate and carefully push the base of the siren cover into place. Secure the siren cover in place by refitting the fixing screw in the bottom edge of the cover.

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Test Mode

1. Test Mode prevents the Siren's tamper switch from triggering an alarm during maintenance or when changing the battery.
2. When the Remote Control is connected with the Siren, press [🔒] 3 times (within 5 seconds) to enter Test Mode, the Siren will emit a long beep indicating that the system is now in Test Mode. During this period the Siren will not alarm but will beep if the tamper switch or the connected sensors are triggered.
3. Press [🔒] on the Remote Control to exit Test Mode after a short beep.
4. The System is now Armed. Press Unlock to Disarm the System.

Please note: pressing the rear anti-tamper switch 7 times will also enter test mode.

Enter/Exit Learning Status using a connected Remote Control

1. If the Siren has been fitted as a standalone system, additional accessories can easily be learnt to the Siren without the need to dismount the Siren from the wall, as follows:
2. Press [🔒] on the Remote Control 3 times (within 5 seconds) to enter Test Mode.
3. Press [🔓] 3 times (within 5 seconds) to enter Learn Mode. A long beep is heard from the Siren indicating that it is in Learn Mode.
   Press the Test Button on the additional Accessory or trigger the Accessory once.
4. The Siren will beep again to indicate that the Accessory has been successfully connected with the Siren.
5. Press [🔒] on the Remote Control to exit Learn Mode, it will emit one beep.
6. The System is now Armed, press Unlock to Disarm the System.

4.6. Jamming Detection

Jamming Detection will activate if the Siren receives a constant signal for 30 seconds or 3 lots of 10 seconds within a 5 minute period. If detected, the Siren will emit 10 seconds of short beeps, if the signal is still detected, a full Alarm condition will occur.

We recommend that you wait up to 30 days before activating the Jamming Detection feature to allow time for you to become familiar with the operation of your Alarm System.

Note: *Jamming Detection is disabled by system default.*

Enable Jamming

1. Ensure the red power button is off
2. Hold down the tamper switch and then press the red power button, you will hear 1 beep to indicate Jamming Detection has been enabled.
3. Before letting go of the tamper switch, press the red power button again to prevent the Siren from sounding.

Disable Jamming

1. Ensure the red power button is off
2. Hold down the tamper switch and then press the red power button, you will hear 2 beeps to indicate Jamming Detection has been disabled.
3. Before letting go of the tamper switch, press the red power button again to prevent the Siren from sounding.

5. SPECIFICATION

Solar Siren	
Model No.	ERA-VALIANT-R
Back Up Power	3.7V 1800 mAh Rechargeable Lithium Battery
Start Up Power	9V Alkaline Battery
Solar Panel Output Current	2000LUX illumination >4mA (in sunlight)
Standby Current	≤1mA
Maximum Alarm Current	≤700mA
Standby Time	45 days (in case of no sunlight)
Maximum Siren Volume	110dB
Receiving Distance	≤80m (in open area)
Radio Frequency	433MHz
Housing Material	PC + ABS Plastic + ANTI-UV
Operation Conditions	Temperature: -20°C - +55°C Humidity: ≤90% (non-condensing)
Dimensions (L x W x H)	309mm x 230mm x 79.7mm

Pet Friendly PIR Sensor	
Model No.	EPIR
Power Supply	DC3V (AA LR6 Batteries x 2pcs)
Standby Current	≤50uA
Alarm Current	≤9.5mA
Detection Scope	≤8m/110°
Transmitting Distance	≤80m (in open area)
Pet Immunity	≤25kg
Radio Frequency	433MHz
Housing Material	ABS Plastic
Operating Condition	Temperature: -10°C - 55°C Humidity: ≤80% (non-condensing)
Dimensions (L x W x H)	Detector - 100mm x 59mm x 43mm Transmitter - 52mm x 30mm x 26.5mm

Door/Window Sensor	
Model No.	EMAG
Power Supply	DC 3V (CR2032 Lithium x 2pcs)
Static Current	≤5uA
Alarm Current	≤9mA
Transmitting Distance	≤80m (in open area)
Radio Frequency	433MHz
Housing Material	ABS Plastic
Operation Condition	Temperature: -10°C - 55°C Humidity: ≤80% (non-condensing)
Dimensions (L x W x H)	Transmitter: 71mm x 31.5mm x 15mm Magnet: 71mm x 12.5mm x 15mm

Remote Control	
Model No.	ERA-REMOTE
Power Supply	DC3V (CR2025 Lithium Battery x 1pc)
Alarm Current	≤7mA
Transmitting Distance	≤80m (in open area)
Radio Frequency	433MHz
Housing Material	ABS Plastic
Operating Condition	Temperature: -10°C - 55°C Humidity: ≤80% (non-condensing)
Dimensions (L x W x H)	53mm x 31mm x 9.5mm

6. NOTES

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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.

ERA PRODUCT GUARANTEE

We at ERA firmly believe in the quality of our goods. Our technology achieves outstanding performance and durability and we can therefore offer, in addition to your statutory rights, an additional limited guarantee.
In the event of any material defects in any product manufactured by us due to faulty design, materials and/or workmanship, and which arise following correct installation and during normal use in accordance with our instructions, as included in the product packaging, within the period of two years from the date of purchase, we will either repair, provide a replacement, substitute with an equivalent product free of charge from our then current range or refund in full the amount paid for the product at point of purchase.

Conditions

In order to take advantage of our guarantee, you must comply with the following conditions:-

1. This limited guarantee is not transferable and is extended only to, and is solely or the benefit of, the original purchaser of the product. Please retain your dated   sales invoice as proof of purchase and forward this to us if you wish to make a claim under this guarantee.
2. Products must be installed, used and maintained in accordance with our instructions otherwise the guarantee will be invalidated.
3. The product must not be damaged or modified in any way nor must it have been subjected to any unauthorised repairs.

Exclusions

This guarantee does not cover:-

1. Periodic maintenance, repair and replacement of parts due to fair wear and tear.
2. Abuse or misuse, including but not solely limited to the failure to use this product for its normal purposes or in accordance with ERA's instructions on usage and maintenance.
3. Failure of the product arising from incorrect installation or use not consistent with the instructions supplied and the cost of any removal or installation of products.
4. Accidents, Acts of God, lightning, water, fire, public disturbances, improper ventilation, voltage fluctuations or any cause beyond the control of ERA (Force Majeure).
5. Unauthorised modifications carried out to the product.
6. Damage caused by incorrect/improper use of supplied batteries.
7. Alteration to, deletion, removal or illegibility of the Serial Number as shown on the Product Label.
8. Consumables: any damages so caused by the use of batteries not supplied by ERA.
9. Repair or attempted repairing by bodies who are not ERA authorised repairers.
10. Neglect.
11. The loss of any stored data on your product.

This guarantee is in addition to your contractual and statutory rights and does not affect your statutory rights.

To make a claim

Please contact Customer Support either by telephone on 0345 257 2500 or email support@erahomesecuritycom, with full details of your claim. If your claim satisfies our Conditions and is not subject to any of our Exclusions, we will agree with you the repair, replacement, substitution or refund of payment of goods. For product returns you will be issued with a Return Authorisation Number (RAN). Please note: Returns will not be accepted unless accompanied by a RAN.

*Terms and conditions apply.

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Customer Helpline:
0345 257 2500

www.erahomesecurity.com

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