# Alarm Powered by Mains Supply with a Sealed 10 Year Lithium Battery with Optional RF-Link Module ES1SLV, ES1HLV, ES1MULV

# Quick Start Guide

## General Information

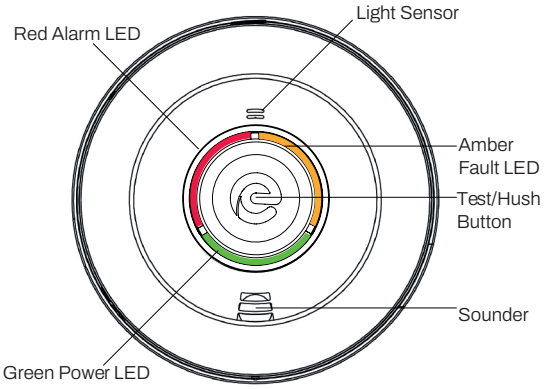
Read the instructions before commencing installation. The user is to retain the instructions for future reference.

- Espire Alarms have been designed and developed for fixed residential installation and use.
- The Alarm is required to be permanently wired to a 230V mains electrical supply by a qualified electrician in accordance with the local wiring regulations.
- Before commencing electrical work, ensure the mains isolator on the consumer unit is in the 'OFF' position to prevent electric shock and ensure the Alarm is complete with the Lock-in Wiring Base.
- After installation the Alarm is to be tested weekly: Press and hold the Test/ Hush button for at least 10 seconds to ensure the Alarm sounds and all interconnected Alarms activate.

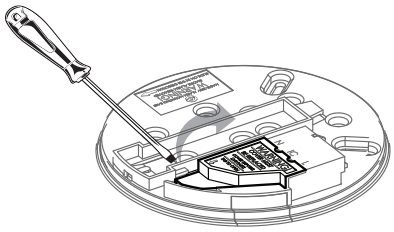
## Product Description

- ES1SLV Optical Smoke Alarm Powered by Mains Supply with a Sealed 10 Year Lithium Battery
- ES1HLV Heat Alarm Powered by Mains Supply with a Sealed 10 Year Lithium Battery
- ES1MULV Optical Smoke and Heat Multi-Sensor Alarm Powered by Mains Supply with a Sealed 10 Year Lithium Battery

The Alarm is supplied with a Lock-In Wiring Base.
The RF-Link (ES1RF) module is supplied with the Alarm or available separately.
The Alarm's backup battery is sealed and non-replaceable.

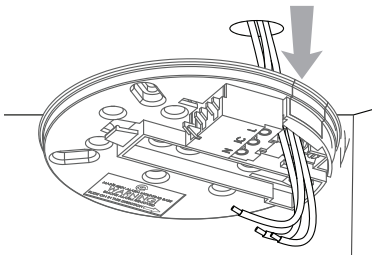



## Alarm Connections



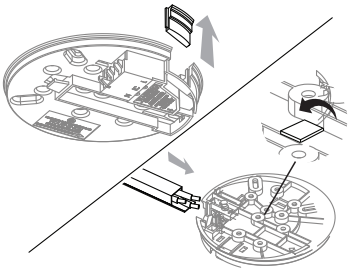
**Step 1.**

On the Lock-in Wiring Base remove the cover for the wiring terminal block using a flathead screwdriver.



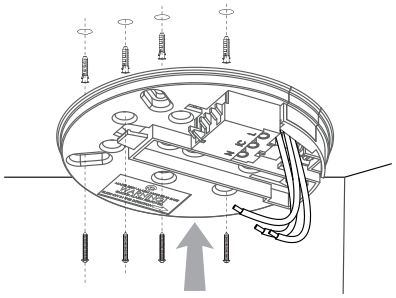
**Step 2.**

Lead recessed wires through the rear entry of the base.



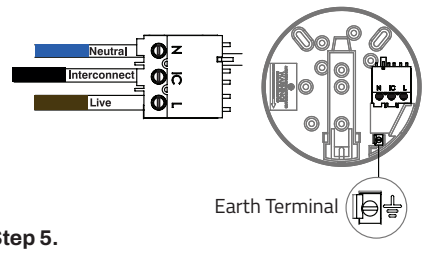
**Step 3.**

For surface wiring; slide the trunking clip away from the base.



**Step 4.**

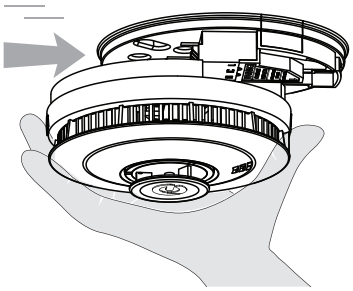
Using the base, mark the desired mounting holes, drill and re-align the base, screwing into place.
Multiple mounting holes are available for retro fit installations.




**Step 5.**

Connect the wires to the terminal block;
L: Live (Brown), N: Neutral (Blue),
IC: Interconnect (UK/Black) or (ROI/White)

⏚ : Earth Terminal (Green & Yellow)
The Alarm is not required to be Earthed, the Earth Terminal has been provided for safe termination.



**Step 6.**

Replace the terminal block cover as shown in Step 1, and carefully line up the Alarm to the base and slide on until secured and a 'click' is heard.

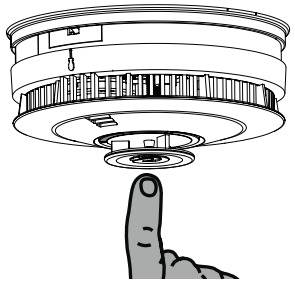
**Step 7.**

After the wiring connections have been made and checked, connect the mains power supply. Check that the Red LED flashes at 40 second intervals to show that the Alarm is functioning and the Green power status LED is permanently illuminated.

## Alarm Testing

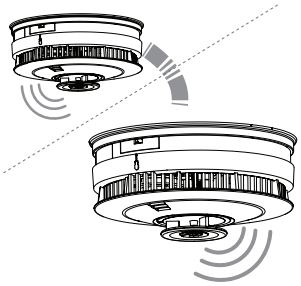
Test the Alarm after installation, and weekly thereafter.

Check that the Red LED flashes at 40 second intervals to show that the Alarm is working and the Green power status LED is permanently illuminated.



**Step 1.**

Press and hold the Test/Hush button for a minimum of 10 seconds.

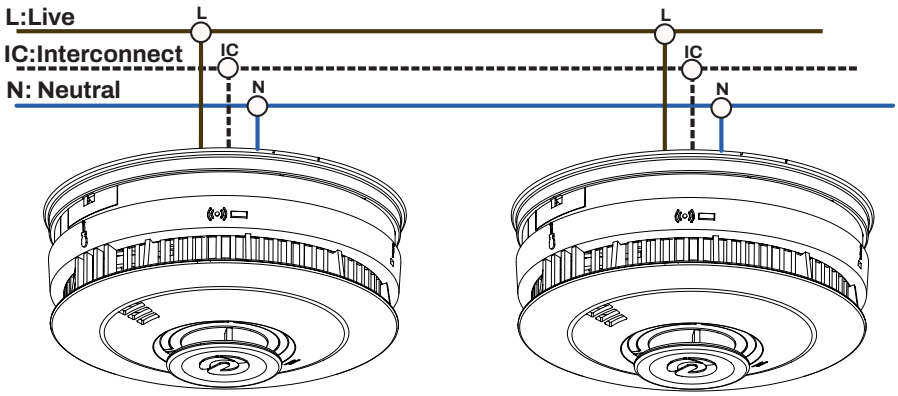


**Step 2.**

The Alarm will sound and the Red LED will flash.

## Interconnected Wiring Installation

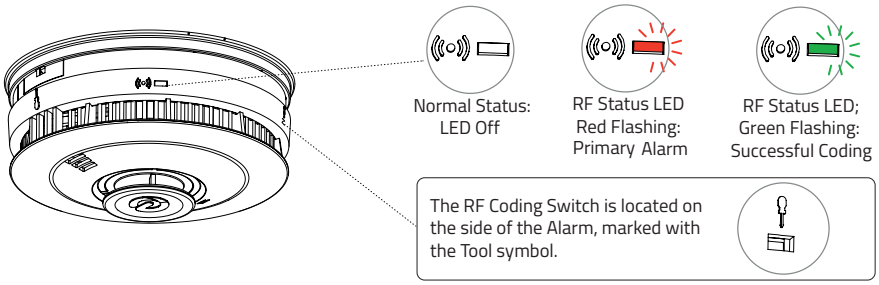
- A maximum of 28 Alarms can be interconnected.
- In the event of an Alarm activation all Alarms sounders will activate. The Alarm that triggered the activation will display the Red LED
- Do not connect Espire Alarms to any other type of Alarm produced by another manufacturer.
- Using the incorrect wiring connections is likely to damage all the Alarms connected to the system.
- The interconnect wire (minimum 1mm² cable) should be insulated and sheathed. A maximum of 300 metres of wire can be used.




Heat Alarms must always be interconnected to a smoke or multi-sensor Alarm to ensure early warning.

## RF-Link Introduction

Up to 28 Alarms can be interconnected wirelessly via the RF-Link function .The RF-Link module is optional, ensure the correct model has been supplied . Prior to RF Coding, ensure that all system Alarms are correctly wired, powered and functioning independently.

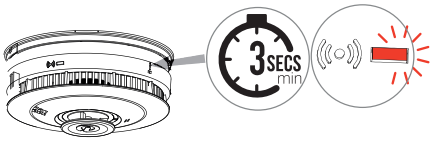



## RF-Link Coding

• As default the RF -Link modules are universally coded together. It is important to carry out the Alarm RF coding procedure to ensure the system operates independently from other nearby Espire Alarm systems.

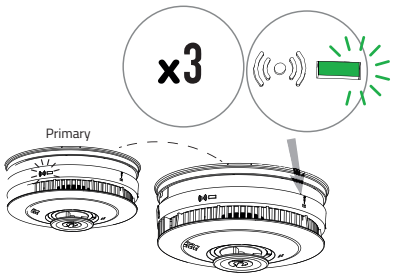
• The first Alarm that enters RF Coding Mode will be assigned as the 'PRIMARY', all other Alarms will be assigned as a 'SECONDARY'. It is important to mark the PRIMARY Alarm with the label provided for future servicing of the system.

## Alarm RF Coding




**Step 1.**

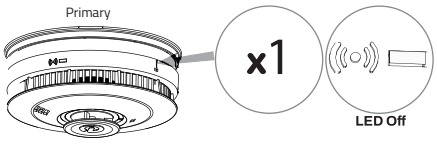
Using the supplied pairing tool press and hold the RF Coding Switch on one of the system's Alarms for a minimum of 3 seconds and release when the RF Status LED flashes Red.




**Step 2.**

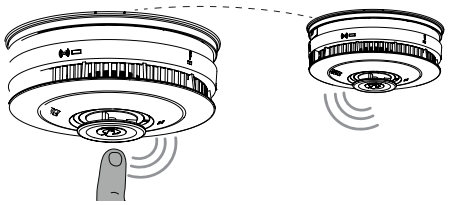
While the PRIMARY Alarm is in coding mode, at the next Alarm press the RF Coding Switch 3 times and the RF Status LED will turn Green to confirm successful coding. Repeat the process on the remaining Alarms.

**Note:** RF Coding Mode will be active for 30 minutes before auto time out.




**Step 3.**

Once all the Alarms have been coded to the PRIMARY Alarm, return to the PRIMARY Alarm and single press the RF Coding Switch and the RF Status LED will stop flashing. RF Coding Mode has now ended.



**Step 4.**

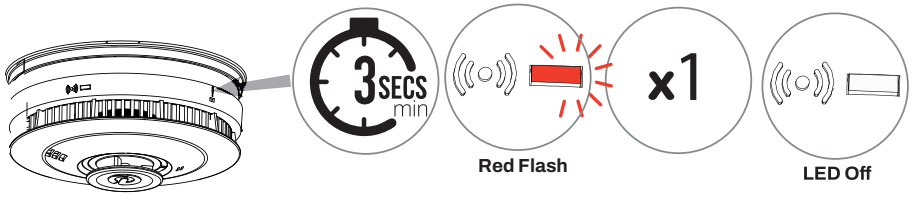
After coding is completed, test each individual Alarm and check that all interconnected Alarms sound.

**Note:** There may be up to a 10 second delay for the coded Alarms to respond after pressing the Test/Hush button.

## Delete an RF-Link Coded Alarm

Press and hold the RF Coding Switch for 3 seconds and release when the RF Coding Status LED flashes Red.

Single press the RF Coding Switch to confirm deletion, the RF Status LED will stop flashing.



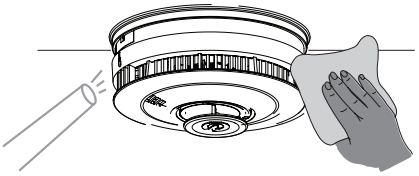

**Important:** If the PRIMARY Alarm is deleted , the system will require re-coding.

## Alternative RF-Link System Setup

- Hybrid System; Systems that incorporate hardwired and RF-Link Alarms, consult the RF-Link module manual (ES1RF) for limitations and further guidance.
- Remote Control System; Systems that incorporate the Espire Remote Control, consult the Remote Control manual (ES1REM), for limitations and further guidance.

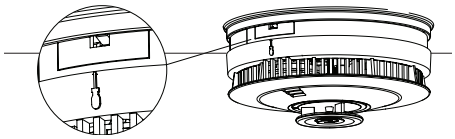
## Alarm Maintenance and Cleaning

To avoid false alarms, clean the Alarm regularly to avoid debris build up from dust and insects . In dusty areas it may be necessary to clean the Alarm more frequently. Use a vacuum to remove dust build up and clean with a damp cloth, do not use cleaning products. Dry the Alarm thoroughly after cleaning.



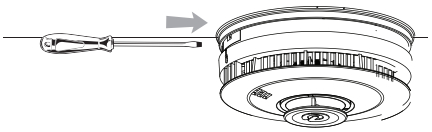
## Alarm Removal

Isolate the mains power supply prior to the removal of the Alarm.



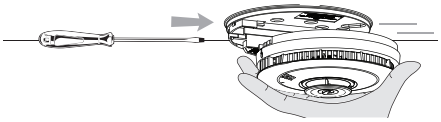
**Step 1.**

Locate the screwdriver symbol on the side of the Alarm.



**Step 2.**

Insert a flathead screwdriver horizontally into the centre of the release lever.



**Step 3.**

With the screwdriver in place, push away the lower half of the Alarm from the screwdriver.

**Step 4.**

Hold the lower half of the Alarm and remove from the base.

When disposing of the Alarm, the Alarm must be recycled in accordance to the Waste Electrical & Electronic Equipment (WEEE) regulations.

## Alarm Status Indication

### Normal Mode

| Green LED | Amber LED | Red LED | Sounder | Description |
|---|---|---|---|---|
|  | |  1 x 40 sec | | (i) A steady Green LED means that the power supply to the Alarm is normal.<br>(ii) The Red LED flashes every 40 seconds to coincide with the Alarm's auto test function.<br>**Note:** The Auto Dim LED function automatically adjusts the brightness of the Green LED up to 50% in low light conditions such as at night to reduce distraction. |

### Alarm Activation

| Green LED | Amber LED | Red LED | Sounder | Description |
|---|---|---|---|---|
|  | |  |  | When the Red LED flashes and the sounder is audible the Alarm has been activated.<br>**Warning:** If there is any doubt about the cause of an Alarm activation assume it was caused by an actual fire and evacuate immediately. |
|  | | |  | An interconnected Alarm has been activated. |

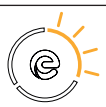
### Memory Mode

| Green LED | Amber LED | Red LED | Sounder | Description |
|---|---|---|---|---|
|  | |  2 x 40 sec | | (i) The Red LED flashes twice every 40 seconds to indicate the Alarm has stored an activation in the memory.<br>(ii) Memory function assists identification of Alarms that have been activated.<br>(iii) The memory will automatically clear after 24 hours of the activation or press and the 'Test/Hush' button until the Red LED flashes twice and the Alarm sounds twice. |

### Hush Mode

| Green LED | Amber LED | Red LED | Sounder | Description |
|---|---|---|---|---|
|  | |  1 x 8 sec | | (i) During an Alarm activation if the 'Test/Hush' button is pressed the Alarm will enter Hush mode for 10 minutes before returning automatically to normal state.<br>(ii) If the Red LED flashes every 8 seconds; the Alarm is in Hush mode and the sensor remains in activated state. |

### Contamination Mode (Smoke Sensor Only)

| Green LED | Amber LED | Red LED | Sounder | Description |
|---|---|---|---|---|
|  |  4 x | |  4 x | (i) If the 'Test/Hush' button is pressed and the Amber LED flashes with the Alarm sounding four times; this indicates the Alarm's optical smoke chamber is contaminated. Dust is one of the main causes.<br>(ii) Alarm cleaning and maintenance must be completed regularly. |

For additional product and installation instructions scan the applicable QR code

UK ROI

**Safety:**

- Alarms should be installed by a competent person and sited according to relevant standards.
- The Alarm will not work if a mains power supply is not present at the wiring terminal block and the sealed battery is depleted.
- The Alarm is for fixed installations only, and is supplied with a Lock-In Wiring Base to terminate the required mains supply connections.
- The Alarm is to be connected to a 230V 50Hz AC supply only.
- Do not power the Alarm from a lighting dimmer circuit or a circuit that can be switched off by a wall switch.
- Do not perform an insulation resistance test on the Alarm.
- Do not install the Alarm in building renovation sites until works are completed.

**Elite Security Products**
**Unit 7 Target Park**
**B98 8YN**

**E24**
**espuk.com**
**sales@espuk.com**
**+44 (0)1527-51-51-50**