For additional product and installation instructions scan the applicable QR code

UK

ROI

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

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# Espire Relay Base Powered by Mains Supply with Backup Battery with Optional RF-Link Module ES1RB, ES1RBRF

# Quick Start Guide

## General Information

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

- All guidance in the following document should follow the recommendations of BS 5839-6 and BS EN 50292:2023
- Espire Alarm accessories have been designed and developed for fixed residential installation and use.
- The Alarm Relay 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 supply of the system has been safely isolated with all appropriate steps taken, if you are unsure please consult a competent electrician.
- After installation the Relay base and connected devices are to be tested weekly.

## Product Description

### ES1RB Relay Base Powered by Mains Supply with Backup Battery

The Relay Output is rated at 8 Amps (resistive) @ 250VAC.

The Relay State is selectable from Pulsed or Continuous.

The pulsed relay state will switch when an alarm condition is received and will automatically switch to its previous state after 5 seconds.

The rechargeable backup battery is sealed and non-replaceable.

### ES1RBRF Relay Base Powered by Mains Supply with Backup Battery & RF-Link Module

The Accessory includes RF-Link module for RF coding to other Espire Alarms.

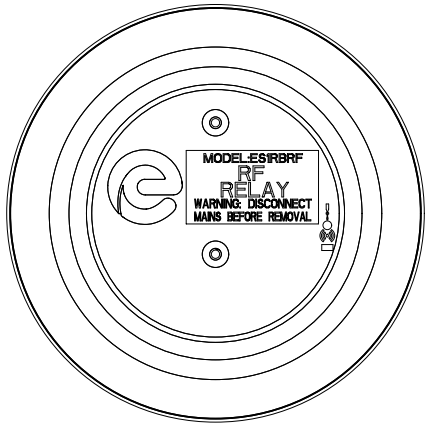
The Relay Output is rated at 8 Amps (resistive) @ 250VAC.

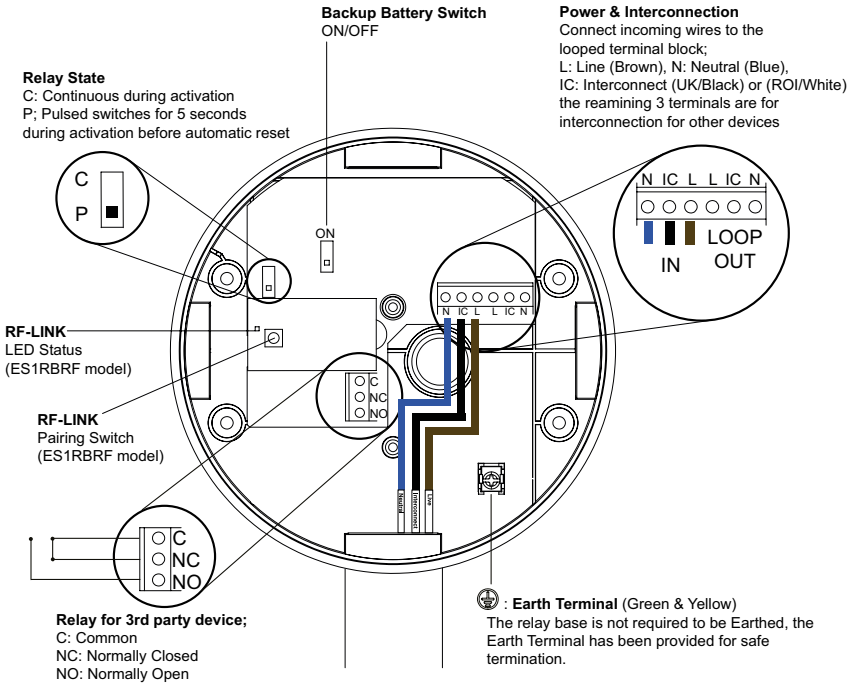
The Relay State is selectable from Pulsed or Continuous.

The pulsed relay state will switch when an alarm condition is received and will automatically switch to its previous state after 5 seconds.

The rechargeable backup battery is sealed and non-replaceable.

The ES1RBRF is an RF-Link receiver that triggers the relay upon activation.



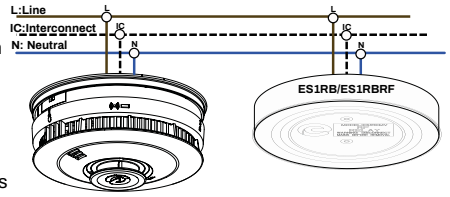



## Installation

1. Remove the cover of the Relay Base
2. Identify the most suitable cable knock out to suit the application (surface or rear cable entry ) and remove the knock-out
3. Mount the Relay base on a secure flat surface using the mounting holes to fix into place
4. Pull through the system cables
5. If the rear knock-out is being used, seal around the system cables to protect against any ingress that may affect the performance of the relay base and/or the mounted Espire alarm.

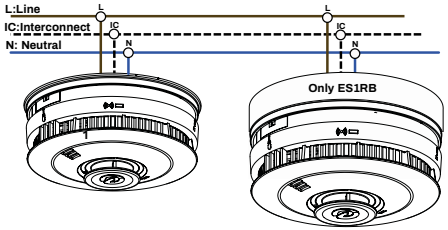
## Wiring Connections and Configuration

1. Isolate the mains before commencing any electrical works.
2. Connect the incoming mains supply to the looped terminal block on the relay base; L: Line (Brown), N: Neutral (Blue), IC: Interconnect (UK/Black) or (ROI/White). The supply will be taken from another Alarm in series or from the Alarm mounted on top of the relay replacing the relay's cover.
   The ES1RBRF should not be used to mount Espire alarms
   The Relay Base is not required to be Earthed, the Earth terminal has been provided for safe termination for any incoming earth wire.
   *ES1RBRF may use an independant supply.*




**Standalone Relay Base with Cover**

3. Connect the Auxiliary device to the relay terminals located on the Relay Base as required; Normally Open/ Normally Closed & Common.
   The contacts are rated at AC250V @ 8Amps (resistive).
4. On the PCB of the Relay Base switch the relay state to the desired output.
5. On the PCB of the Relay Base switch the Backup battery power toggle to ON
6. Fit the cover of the Relay Base or the Alarm to replace the cover
   **WARNING:** Failure to leave the relay base uncovered, exposes users to fire & shock hazards.




**Relay Base Mounted Underside of Alarm**

7. Apply the mains power to the Relay Base

## Testing your alarm system

It is recommended to test your system after installation, and weekly thereafter.
When checking the alarm system, it is also recommended to test the relay base:

Press a connected alarms Test button to ensure that;

- The relay changes state
- The 3rd party system operates as required.

## Backup Battery Testing

Ensure that the Backup Battery in the Relay Base is switched on, charged and capable of powering the Relay Base. This should be done after the initial installation, and periodically.

Isolate the mains supply, and check that the relay operates the 3rd party system.

If the tests are successful, re-connect the mains supply.

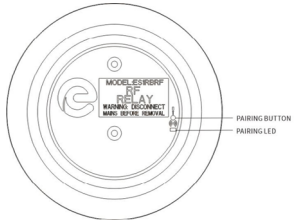
## RF-Link Introduction for model ES1RBRF

Up to 28 devices can be interconnected wirelessly via the RF-Link function.

Ensure the Alarms have been fitted with the RF-Link module.

Prior to RF Coding, ensure that all system Alarms are correctly wired, powered and functioning independently.

It is important to note which Alarm is the 'PRIMARY'.




## RF-Link Coding

- Identify which Espire Alarm has been designated as the 'PRIMARY' device within the RF-Link system
- Put 'PRIMARY' Alarm into coding mode. *refer to the relevant alarm's manual*
- When power is applied to the Relay Base the RF Coding LED will flash; Green, Blue and Red once as part of its boot sequence
- Press and hold the RF coding button until the RF Coding LED will turn Red
- Once the LED turns Red, release the RF Coding button, and the RED LED will flash twice
- If coding has been successful the LED will turn to Green and exit coding mode
- Return to the Espire PRIMARY Alarm and exit coding mode

*Note: If an alarm signal is received the LED will turn RED, once the alarm signal stops then the LED will turn off*

## RF-Link Testing

- Check the Relay Base is switching the 3rd party device weekly.
- Ensure the Relay Base is powered by the mains supply as to not deplete the Backup Battery.
- On a coded Alarm press and hold the Test/Hush button for a minimum of 10 seconds, this will activate the Alarm but also the Relay Base
- Up to 10 seconds should be allowed from the Relay Base receiving the signal to switching the 3rd party device
- It is also recommended that the function is tested when the Relay Base is powered from the battery only. Ensure that the Mains supply is reapplied after testing.

## RF-Link Coding Reset

- On the Relay Base , Press and hold the coding button until the LED flashes blue, it will the flash Blue a further 4 times.
- This will reset to the coding function to default