

## 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 RF-Link relay module has been designed and developed for fixed residential installation and use.
- 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 10 Year Input Module is to be tested weekly.

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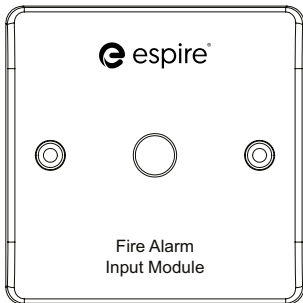
### Product Description

#### ES1MODRF Espire RF-Link Input Module Powered by 10 Year Battery

Standard UK 1-gang installation (surface box supplied)

The input module interfaces 3rd party systems to sound interconnected Espire Alarms when required. To trigger the input module; a volt-free, normally-open switch provided by the 3rd party system is required.

Upon activation of the input module Alarms connected through the interconnect terminal will sound. The 10 year battery is sealed and non-replaceable.



## Siting

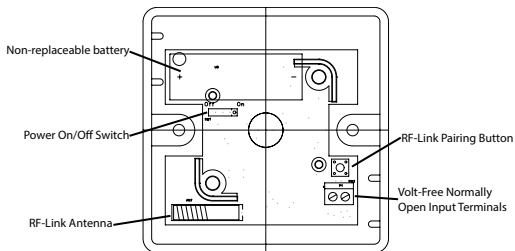
Select a location suitable for the controller to be installed. It is recommended that this location is easily accessible, and is mounted between 450 - 1200mm.

The ES1MODRF is recommended to be surface mounted.

If the ES1MODRF is to be recessed ensure the backbox has a minimum of at least 35mm.

Ensure when siting that all alarms are in their fixed locations

## Wiring Connections and Configuration



1. Isolate the mains before commencing any electrical works.
2. Install the surface mounting box or suitable flush mounting box into the wall if recessed mounting is required.
3. Connect the 3rd party device to the relay terminals located on the ES1MODRF. The input must be a volt-free Normally Open contact, that energises the terminals to trigger the input.
4. Switch on the ES1MODRF, and complete the RF Pairing

Fit the cover of the Module

**WARNING: Do not over tighten, as this may cause damage to the product**

## RF-LINK coding the ES1MODRF

### When an Espire alarm is the primary

1. Go to the primary alarm, and place it into the primary coding mode - refer to the applicable manual for further information
2. Press and hold the coding button on the rear of the ES1MODRF until the red light on the front is illuminated red, as soon as it is illuminated red release the button. The red light should flash for a short period and then go out. The red light should flash every 8 seconds, indicating it is in coding mode - the coding mode will be active for up to 30 minutes.
3. After the coding is complete, the ES1MODRF will flash a green light for 3 seconds, and then automatically exit the pairing mode, and enter standby mode.

## When the ES1REM is the primary

1. Go to the ES1REM, and place it into the primary coding mode - refer to the manual for the ES1REM for guidance.
2. Press and hold the coding button on the rear of the ES1MODRF until the red light on the front is illuminated red, as soon as it is illuminated red release the button. The red light should flash for a short period and then go out. The red light should flash every 8 seconds, indicating it is in coding mode - the coding mode will be active for up to 30 minutes.
3. The green light on the ES1REM will periodically flash. The number of flashes is equal to the number of devices currently coded. This state will automatically exit after 30 minutes, or if the ES1REM exits the pairing mode.
4. After the coding is complete, the ES1MODRF will flash a green light for 3 seconds, and then automatically exit the pairing mode, and enter standby mode.

## 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 ES1MODRF

- Ensure that the light on the front plate flashes green every 40 seconds to show that the battery power is healthy.
- The ES1MODRF should be tested regularly with the 3rd party switching device. The light should change to red and stay on continuously for at least 2 seconds, and then flashes red (once every 40 seconds) for up to 5 minutes - this indicates a repeat transmission of the alarm signal.  
*Note: After 5 minutes the RF-LINK alarm signal ceases, and as such the smoke alarms will stop after 8 minutes. This reduces the batteries in the ES1MODRF from being depleted. If the yellow LED flashes twice every 40 seconds, check that the 3rd party switch/relay connected to the ES1MODRF has returned to its default state.*
- When in an activated state, a walk test should be executed to ensure all alarms that have been coded sound when the ES1MODRF is in an alarm state, if the walk test is satisfactory in that all coded alarms trigger then the test can be ended, and then confirm all alarms stop sounding.  
If any alarms do not sound then the coding process should be repeated.
- If the light flashes yellow every 40 seconds, this indicates that the batteries are close to depletion, and may no longer be able to send an alarm signal.

When the 3rd party system (that serves to trigger the Input base) is being tested, the contacts connected to the ES1MODRF should be operated to ensure that interconnected alarms sound.

## Clearing Coding

If it is required to do so you can reset the coding on the ES1MODRF module:

1. Remove the front plate of the ES1MODRF from the backbox
2. Press and hold the RF-Link coding button for 10 seconds, until the red light turns on, then flashes and finally goes out.
3. This will restore the RF-Link coding to factory default.

Note: Restoring the RF-Link coding to factory default will now communicate with non-coding RF-Link devices. It is recommended to code all RF-Link devices.

## LED Indication

Mode	Action	Green LED	Yellow LED	Red LED
Standby		Flashes once every 40 seconds		
Pairing Mode				Flashes once every 8 seconds
Trigger				Flashes once every 40 seconds
Low Battery	Replace Equipment		Flashes once every 40 seconds	
Reset Failure	Check whether the relay has been reset		Flashes twice every 40 seconds	

For additional product and installation instructions scan the applicable QR code



ROI



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



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