espire®

Espire RF-Link Remote Controller Powered by a Sealed 10 Year Lithium Battery ES1REM

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 & BS EN 50292:2023
- Espire Alarm accessories have 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 Remote Control is to be tested weekly.
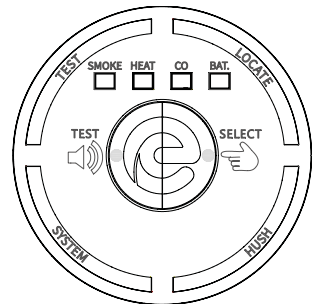
Product Description

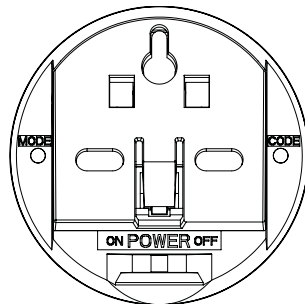**ES1REM Espire RF-Link Controller Powered by a Sealed 10 Year Lithium Battery**

The RF-Link Controller is compatible with Espire Alarms fitted with an RF-Link module.

The RF-Link Controller identifies Alarm type, locates the source Alarm and provides manual test functionality.

The RF-Link Controller's battery is sealed and non-replaceable.

Front   Rear

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1. RF-Link Controller Installation

Alarm Installations are to follow guidance provided in British Standards; BS 5839-6 & BS EN 50292:2023:

- For optimum performance the RF-link Controller should be positioned centrally to the Alarm system.
- The RF Controller can be wall mounted or on a table top to suit application of use.
- Avoid locations with sources of high humidity, condensation or steam such as; bathrooms, shower rooms, extreme temperatures exceeding 40°C or below 0°C
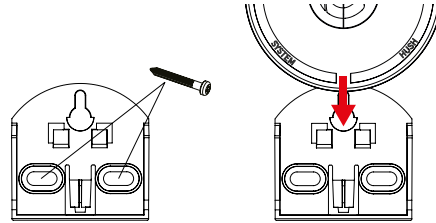
Note: There is a plastic pin on the rear of the ES1REM that if snipped off will allow the mounting plate to become lockable. If locked, using an Espire multi tool you can release the locking clip.
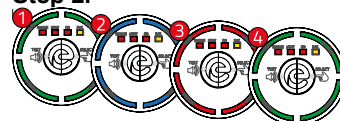
2. RF-Link Controller Power Up

Step 1.
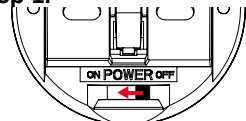
Slide the POWER button located on the rear of the remote control from OFF to ON

Step 2.

The controller enters a power up stage for 10 seconds.

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3. RF-Link Introduction

Up to 28 RF-Link devices can be interconnected wirelessly via the RF-Link function. Ensure the Alarms have been fitted with the applicable RF-Link module.

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

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 coding procedure must begin at the RF-Link controller, which will be assigned as the 'Primary' device. All other devices will be coded to the RF-LInk Controller will be know as 'Secondary' devices.

The RF Remote Controller must be the primary device. *The ES1REM uses 1 of the 28 RF-Link devices*

3.1. Entering coding mode

Press and hold the 'CODE' button on the rear of the controller, and release when the indication segments illuminate Green.

The indication sectors will flash every 10 - 15 seconds, indicating that the RF-Link Controller is in 'Coding mode' as the 'Primary' RF-Link device.

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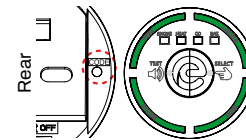
3.2. Coding Espire alarms

While the RF-Link controller is in RF Coding mode, press the RF Coding switch 3 times on the nearest alarm (Refer to Alarm's instruction for further reference) and the Alarm's RF Status LED will turn Green to confirm successful RF Coding.

The RF Controller will now flash twice every 10 - 15 seconds to indicate a 2nd device has been RF Coded. Repeat the process on the remaining Alarms.

A single long Green flash indicates factors of 10. For example 15 devices will be indicated by long Green flash and 5 short Green flashes.

This flash pattern will repeat every 10 to 15 seconds.

Green Flash
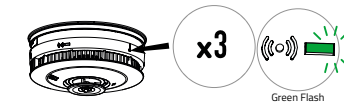
3.3. Exiting coding mode

Ensure all devices that require coding have been correctly coded onto the system, and all devices are flashing the correct amount of times.

While the RF-Link controller is in RF Coding mode, and all required RF coding has been completed, press the 'CODE' button on the rear of the RF Controller, until all indication segments illuminate Green, and then release the button. This will send the exit coding mode command to all devices. Once the exit procedure has completed, the Green light will turn off and the system will return to its standby mode
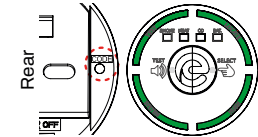
4. Alarm Testing Functions

It is recommended the system is tested regularly to ensure continued safe operation of the system.

We recommend the following:

- After the system has been installed
- Weekly
- After any extended period away from the property
- After any system maintenance or household electrical works have been completed

4.1. Test Mode

When installed into its intended fixed location;

Press and hold the 'Test' button, until the 'TEST' segment illuminates Green and then release the 'TEST' button, all alarms will then sound.

The alarms will stop sounding after the test sequence has finished, to which the 'TEST' segment will flash Green to indicate the testing sequence has completed.
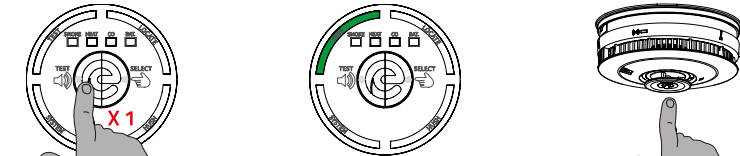
4.2. Walk test

Remove the RF Remote Controller from its mounting bracket. If it has been locked into its bracket, using the Espire Multi tool or a 4mm Flat Headed Screwdriver, it can be released from its bracket.

Now that the RF Remote Controller is mobile, press the 'Test' button once, the 'TEST' segment will illuminate Green. Now walk around the property, and confirm that all alarms are sounding.

Once the test has completed, the 'TEST' segment will flash Green.

4.3. Alarm Activation: Locate Mode

If an Alarm has been activated, the type of Alarm will be identified by the activation type LEDs on the controller and the 'LOCATE' segment will flash Red.

If it is safe to do so, press the 'SELECT' Button and the Locate sector will change from Red to Green.

Up to 40 seconds, all Alarms will be silenced other than the activated Alarm.

The 'LOCATE' segment will flash Green once the operation has completed.
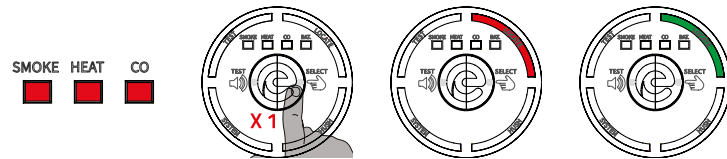
4.4. Alarm Activation: Hush Mode

After the Locate Mode has been completed, and the activated Alarm has been identified, (when it is safe to do so) press the 'SELECT' button twice, and the 'HUSH' segment will illuminate Red then Green.

The activated Alarm will be Hushed for 10 minutes, and the controller will enter standby mode.

The 'HUSH' segment will flash Green once the operation has completed.
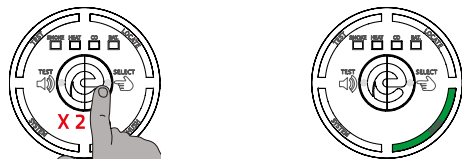
4.5. In the event of an Alarm activation

In the event of a fire, the RF Remote Controller will indicate what type of activated has occurred.

1. If there is any doubt about the cause of an alarm activation, then assume it was caused by an actual fire and evacuate immediately.
    If the CO indicator is illuminated, open all doors & windows, whilst evacuating the building. This should be reported immediately.

2. If it is safe to do so, perform the 'Locate' function to silence all alarms except for the alarm that has been activated.

3. The location of the activated alarm can now be clearly identified.

4. If it certain that there is no danger or risk, the 'Hush' function can be activated to hush the activated Alarm for 10 minutes.
   **Alarm cannot be Hushed if the CO concentration level is above 300ppm**
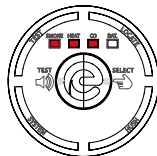
4.6. Alarm Activation: Memory Mode

The ES1REM will retain memory of the most recent alarm activation, and from which alarm.

Press the 'SELECT' button 3 times, until the 'SYSTEM' segment illuminates Red then Green.

The alarm with the most recent activation will sound for 30 to 40 seconds.

The 'SYSTEM' segment will flash Green once the operation has completed.
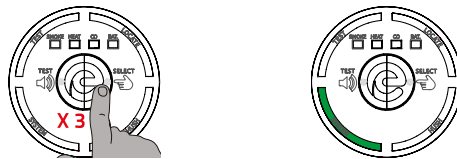
4.7. Fault Hush Mode

Press the 'select' button twice, and the 'HUSH' segment will illuminate Red then Green.

If the fault can be hushed, then the Alarm will not sound a fault alert for 12 hours.

During this time identify & resolve the fault immediately. After 12 hours the alarms will resume normal operation.
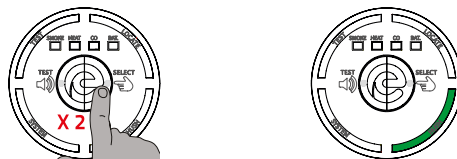
4.8. Extended Walk Test

Press and hold the 'MODE' button on the rear of the Controller until all sectors turn Green, this will enter the advanced system mode.

When the Test sector flashes Green, press the 'TEST' button and once the 'TEST' segment is illuminated Green, the RF Remote Controller will now be in a 2 minute walk test mode.

All Alarms on the system will sound for 2 minutes during this walk test.

This walk test will automatically cease after 2 minutes, or if the 'Test' button is pressed.

The 'TEST' segment will flash Green once the operation has completed, this can take up to 40 seconds.


4.9. Deleting Stored Activations: Memory Mode

Press and hold the 'MODE' button on the rear of the Controller until all sectors turn Green.

When the 'TEST' sector flashes Green, press the 'CODE' button on the rear of the controller twice, and the 'SYSTEM' segment will flash Green.

Press the 'SELECT' button to confirm deletion of the stored memory and the controller will return to standby.
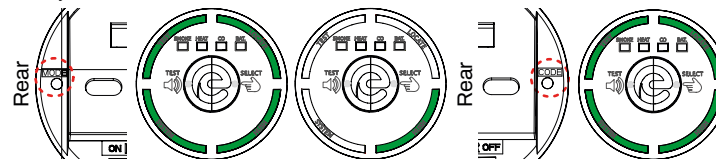
5. Troubleshooting

If at any time when checking the interconnect functions, that some of the alarms do not respond to the RF Remote Controller test(s), then:

1. Ensure that the RF Remote Controller has been activated correctly. Check that the power up procedure operates as described in section 1.

2. Repeat the Coding Procedure as described in section 3.2

3. Relocate the RF Remote Controller. There are various factors in regards to RF signal strength, and why they may not being received signals

5.1. Resetting coding mode

If coding has been unsuccessful, reset the coding mode on the RF-Link Remote Controller and on all alarms before reattempting the procedure.

Press and hold the 'CODE' button on the rear of the controller, once the Green LEDs turn on, continue pressing the 'CODE' button until the LEDs start to flash, this indicates the coding has been reset. You can now release the 'CODE' button.
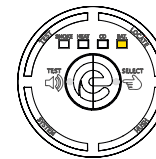
To confirm that all Alarms have been removed from coding, you use the Test Alarm function (as shown in section 4.1)
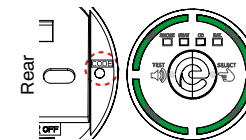
6. Low Battery

The 'BAT.' LED will illuminate if the RF Remote Controllers non-replaceable battery is low.

If this LED is illuminated the RF Remote Controller's battery is depleted and it is recommended that the RF Remote Controller is replaced.

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.