

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.
- Esquire Alarms have been designed and developed for fixed residential installation and use.
- 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

- ES1CL Carbon Monoxide Alarm Powered by a 10 Year Lithium Battery
- ES1CHL Carbon Monoxide and Heat Multi-Sensor Alarm Powered by a 10 Year Lithium Battery

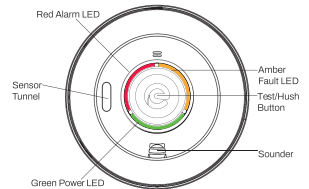
The Alarm head must be fitted onto the supplied Lock-In Base.

The RF-Link (ES1RF2) module is available separately.

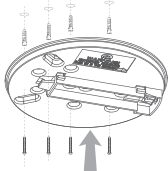
The Alarm battery is sealed and non-replaceable.

The CO Alarm's response times are designed to act in accordance with BS EN 50291-1:2018;

Parts per Million (PPM) of CO	Time until Alarm
50	60-90 minutes
100	10-40 minutes
300	Must alarm in less than 3 minutes

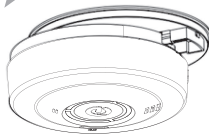


Alarm Installation



Step 1.

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 2.

Carefully line up the Alarm to the base and slide on until secured and a 'click' is heard.

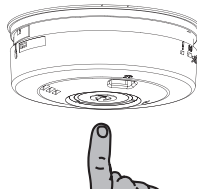


Step 3.

After the Alarm is secured to the base the **CO Alarm will initiate a 3 minute self-test on power up.**

Alarm Testing

Test the Alarm after installation, and weekly thereafter.



Step 1.

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

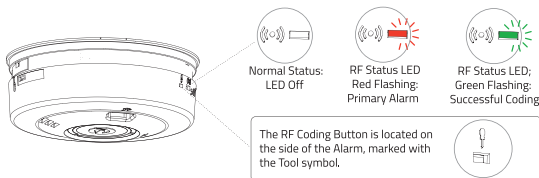


Step 2.

The Alarm will sound and the Red LED will flash, the Green and Amber LED will also be visible.

RF-Link Introduction (Optional)

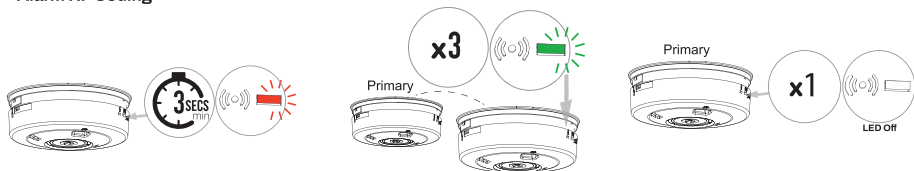
Up to 28 Alarms can be interconnected wirelessly via the RF-Link function. The RF-Link module is optional, ensure the correct model has been supplied. Prior to RF Coding, ensure that all system Alarms are functioning independently.



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 Button 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 Button 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.

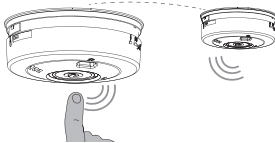
Step 3.

Once all the Alarms have been coded to the PRIMARY Alarm, return to the PRIMARY Alarm and single press the RF Coding Button 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 Button for 3 seconds and release when the RF Coding Status LED flashes Red.

Single press the RF Coding Button 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

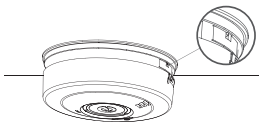
- Hybrid System; Systems that incorporate hardwired and RF-Link Alarms, consult the RF-Link module manual (ES1RF2) for limitations and further guidance.
- Remote Control System; Systems that incorporate the Espire Remote Control, consult the Remote Control manual (ES1REM), for limitations and further 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



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.



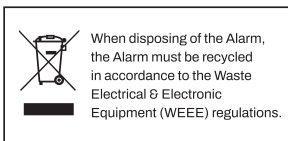
Step 3.

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.







Alarm Status Indication









Normal Mode

Green LED	Amber LED	Red LED	Sounder	Description
 1x 50 sec	/	/	/	The Green LED will flash every 50 seconds in normal mode.





Alarm Activation

Green LED	Amber LED	Red LED	Sounder	Description
/	/		 3x	The Red LED flashes and the Alarm sounds 3 times to indicate a Heat Activation (Model: ES1CHL)
/	/	 2 x 4 sec	/	The Red LED flashes twice every 4 seconds to indicate a CO Gas Level activation of >50PPM
/	/	 3 x 4 sec	/	The Red LED flashes three times every 4 seconds to indicate a CO Gas Level of >100PPM

Alarm Activation Continued





















Green LED	Amber LED	Red LED	Sounder	Description
			 4x	The Red LED flashes and the Alarm sounds 4 times to indicate a CO Activation (>180PPM)
 1x 50 sec				An interconnected Alarm has been activated

Hush Mode

Green LED	Amber LED	Red LED	Sounder	Description
		 2 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. (ii) If the Red LED flashes twice every 8 seconds; the Alarm is in Hush mode and the sensor remains in activated state.

* Alarm cannot be Hushed if the CO concentration level is above 300ppm

Memory Mode

Green LED	Amber LED	Red LED	Sounder	Description
 1x 50 sec		 2 x 50 sec		(i) The Red LED flashes twice every 50 seconds to indicate a Heat Alarm has stored an activation in the Alarm's memory. (ii) The Memory function assists identification of Alarms that have been activated.
 1x 50 sec		 4 x 50 sec		The Red LED flashes four times every 50 seconds to indicate a CO Gas Level activation in the Alarm's memory of ≤50PPM
 1x 50 sec		 6 x 50 sec		The Red LED flashes six times every 50 seconds to indicate a CO Gas Level activation in the Alarm's memory of ≤100PPM
 1x 50 sec		 8 x 50 sec		The Red LED flashes eight times every 50 seconds to indicate a CO Gas Level activation in the Alarm's memory of ≤180PPM
 1x 50 sec		 2 x	 2x	The memory will automatically clear after 24 hours of the activation or press and hold the 'Test/Hush' button until the Red LED flashes twice and the Alarm sounds twice.

For additional product and installation instructions scan the applicable QR code



UK



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Safety:

- Alarms should be installed by a competent person and sited according to relevant standards.
- The Alarm will not work if the sealed battery is depleted.
- The Alarm is for fixed installations only.
- Do not install the Alarm in building renovation sites until works are completed.

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