Espire Hardwired Interconnect Input Module Powered by Mains Supply with Backup Battery ES1MODV

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 relay base has 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 is to be tested weekly.

Product Description

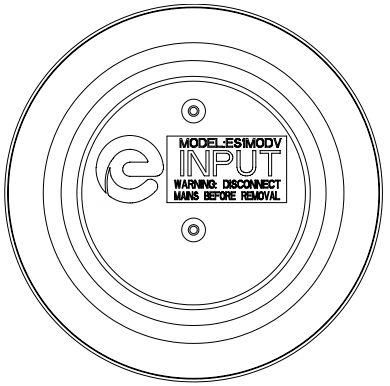
ES1MODV Input Relay Base Powered by Mains Supply with a Backup Battery

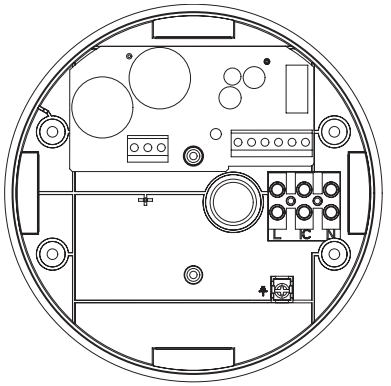
The input module interfaces 3rd party systems to sound interconnected Espire Alarms when required.

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 rechargeable backup battery is sealed and non-replaceable.





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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Rev. I24

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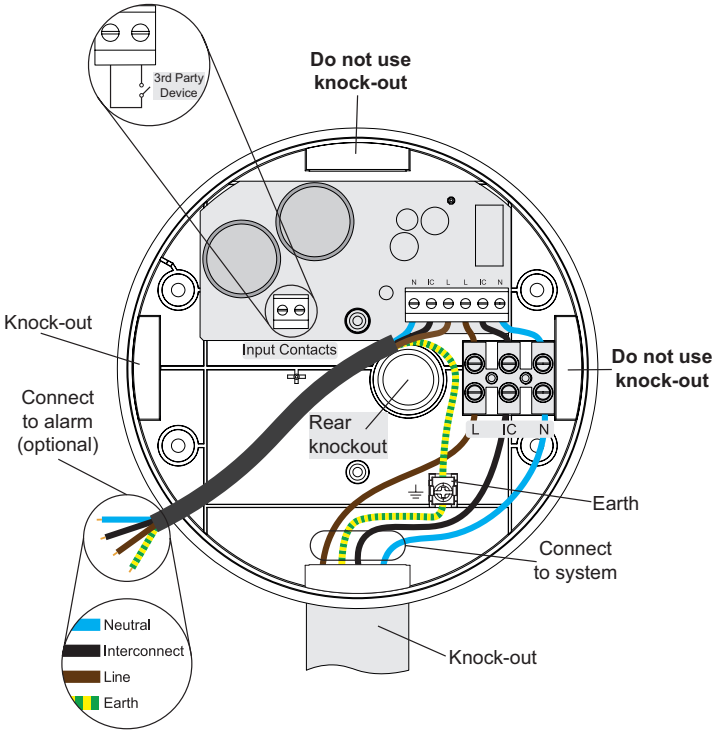
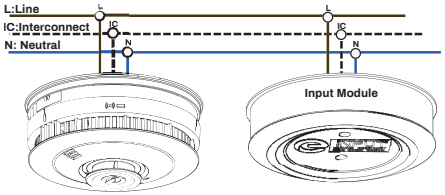


Installation

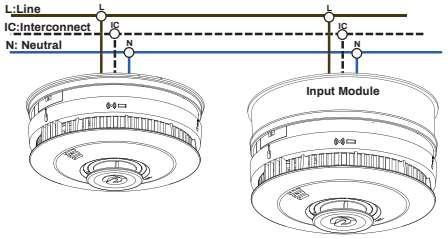
1. Remove the cover of the Relay Base
2. Identify the most suitable cable knock out to suit the application (surface or rear cable entry) and remove the knock-out
3. Mount the Relay base on a secure flat surface using the mounting holes to fix into place
4. Pull through the system cables
5. If the rear 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 ontop of the relay replacing the relay's cover.
   The Input Module is not required to be Earthed, the Earth terminal has been provided for safe termination for any incoming earth wire.
3. Connect the 3rd party device to the relay terminals located on the Relay Base. The input must be a volt-free Normally Open contact, that energises the terminals to trigger the input.
4. 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.
5. Apply the mains power to the Relay Base



Standalone Input Base with Cover



Input Base Mounted Underside of Alarm

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:

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

Backup Battery Testing

After the initial installation, the backup battery should be tested periodically.

1. Isolate the mains supply, and check that the 3rd party system sounds the interconnected alarms.
2. If the tests are successful, re-connect the mains supply.