User Manual - Energenie MiHome In-line Relay (MIHO014)

Thank you for buying the MIHO014 In-Line Relay. This is a radio controlled switch for the switching of mains power to lighting and appliances up to 3kW. Only the Live feed is switched to the load. Switching is initiated either by radio control signal or manually by pressing the button on the housing.

The In-Line Relay is compatible with Energenie hand controllers (MIHO003) and the MiHome network. It is a receive-only device operating in the 433MHz ISM short-range band using OOK modulation.

Please read through this manual before using the product. This manual explains how to install and use the In-Line Relay.

Please keep this manual in a safe place so you can refer to it in the future if you need to reinstall the device. If you need this guide in larger print, download the instructions from energenie4u.co.uk.

The box should contain the following items and accessories.

- In-Line Relay
- Instructions for installation

Installation

This device operates at UK mains voltage levels and it requires therefore installation by a competent electrician.

It should be mounted on a flat surface and secured using suitable screws through the two 3.5mm mounting holes on opposite sides of the housing.

Note: The In-line Relay is not suitable for use with devices that contain electric motors such as power tools and fans.

IMPORTANT:

Where the installation of this product falls under the scope of the Building Regulations requirements for Part P, the installation must be carried out by registered competent persons and certified as follows:

a. Self-certification by a registered competent person

b. Third-party certification by a registered third-party certifier

c. Building control body

For an installation that is not notifiable according to the Building Regulations Part P, work should be designed and

installed, and inspected, tested and certificated in accordance with BS 7671.

We recommend that a competent qualified person is used for all installations of this product even if the installation is deemed to be minor works and non-notifiable for the purposes of the Building Regulations. Non-notifiable electrical work can present a risk to safety. If qualified electricians carry out the work they should give you a Minor Works Certificate, which means that they have tested the work to make sure it is safe. If you do the work yourself you may wish to engage a qualified electrician to check it for you. Note that it is the owner of the property who has the legal liability for complying with the Building Regulations.

Remote Controller Pairing

To control this product remotely it must be first paired with a controlling device such as an Energenie hand controller or a MiHome Gateway.

1. Pair with an Energenie hand controller as follows:

To set the unit into pairing mode, press and hold the button on the front of the relay unit housing for 5 seconds or so until the lamp on the front starts to flash at 1 second intervals. NOTE: A single press of the button while it is flashing will take it out of pairing mode.

Point the hand controller at the relay unit at a range of 2 metres and then press and hold the chosen “ON” button on the remote handset for 2 seconds or so. You should then see the lamp on the relay

housing flash more quickly for a brief period indicating the pairing has succeeded.

2. To Pair with a MiHome Gateway, select the In-Line Relay device from the list of devices to pair in your MiHome account and follow the on-screen pairing instructions.

NOTE: The In-Line Relay can be paired with up to 5 separate controllers – hand controllers and Gateways alike. Further attempts to pair the device will overwrite the previous pairings.

Remote Control Operation

Once paired with a remote controlling device the unit can be switched on and off. With the Energenie hand controller it can be controlled with the on/off buttons to which it is paired and the all on/off buttons.

Follow the instructions with your MiHome app or on the MiHome server to control the device. You can set it to switch under programmable conditions such as time of day and other events.

Manual Operation

A single short press of the button on the front of the housing will simply toggle the light or circuit on and off.

What the push button does

1. Single short press to toggle power on/off
2. Long press for 6 seconds: learning mode (with slow LED flash)

What the LED indicator lamp means

1. Red = ON, off = OFF
2. Slow flashing = pairing mode
3. Quick flashing = pairing accepted

Disposal

The outer box of the packaging is made from 70% recycled material from managed forests and is 100% recyclable.

Do not throw this device away with your regular household waste. You must take electronic equipment to a local tip to be disposed of in line with current regulations.

Safety

If you do not install and use in line with the instructions within this guide the warranty will become invalid and we will not be liable for any damage or loss whatsoever, including indirect loss and damage to property or personal injury.

Do not leave packaging material lying around as children might be tempted to play with it, which is extremely dangerous.

You must only use the product in dry areas indoors, and it must be protected from moisture and water.

Do not disassemble as it does not contain any parts that you need to service. If it arrives faulty, return it to where you bought it.

Technical information

Rating:	220 - 250V~ 50Hz, 13A, 3000W max.	Storage temp. :	20°C to +60°C
Terminal Connections:	L-IN, L-OUT, N-IN, N-OUT	Housing	White plastic
Switching:	Switched Live only, relay 16A 250V 100,000+ operations	Mounting:	
Manual control:	Push Button	Size (HxWxD:	65 x 64 x 38mm
indicator lamp:	Red LED	Weight:	70g
Radio:	433MHz ISM short range OOK, simplex one way 2400 baud at 4800 bit/s Manchester encoding	Protection class:	IP20
Radio control range:	Approx. 25m in open air	Approvals:	EN 60669-2-1, EN300220-2, EN301489-1, EN301489-3
Operating temp. :	-5°C to 40°C		

This device meets the regulatory requirements for CE marking. It complies with the R&TTE Directive.

Installation Example