User Manual - Energenie MiHome Double Wall Sockets (MIHO07, MIHO021, MIHO022, MIHO023)

Thank you for buying the MiHome Double Wall Sockets. This is a radio controlled unit with individual power switching for each socket for use with appliances up to 3kW in each socket. 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 Double Wall Socket 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 Double Wall Sockets.

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.

- Double Wall Sockets
- Instructions for installation
- Screw fittings

Installation

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

It can fit in a 25mm metal pattress or 35mm dry lining pattress box.

It will not fit into a 4 lug box.

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 each socket must be first individually 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 Double Wall Sockets device from the list of devices to pair in your MiHome

account and follow the on-screen pairing instructions.

NOTE: Each socket can be paired with up to 4 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 a socket 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 power to 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 invalidated and we will not be liable for any damage or loss whatsoever, including indirect loss, damage to property or personal injury.

Do not leave packaging material lying around as children might be tempted to play with it, which is very 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, 10A, 3000W max. per socket, µ	Storage temp. :	20°C to +60°C
Terminal Connections:	L, N, E	Housing	White plastic, brushed steel, nickel, chrome
Switching:	Switched Live only, relay 16A 250V 100,000+ operations	Mounting:	25mm metal pattress 35mm dry lining pattress
Manual control:	Push Button	Size (HxWxD):	85 x 145 x 33mm
indicator lamp:	Red LED	Weight:	210g
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:	EN300220-2, EN301489-1, EN301489-3, BS1363-3, BS5733, EN62479, EN61058-1
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

CIRCUIT CABLE

CIRCUIT CABLE

Link to Earth
Terminal in
metal box

220-240V ~50Hz
Max. 13A   μ
Resistive Load
Frequency 433.92 MHz
BS1363

L   N