heatmiser®

CH1 CH2   Power
                   Pair

heatmiser®

Model: **neoHub Mini OT**

neo
mini

CH1   CH2   Power
                       Pair
○   ○   ○   ○

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OpenTherm®

SP

1   **neoHub Mini OT**

Table of contents

Installation Procedure

Step 1
Using a small screwdriver, slightly loosen the screws located at the base of the neoHub Mini. You can then carefully separate the front panel from the back plate.

Step 2
Feed the cables up through the knockout sections and use the cable clamps to secure in place, alternatively remove the knockout sections in the back plate and feed the cables through the back.

Step 3
Terminate the cables to the hub according to your system type, examples are shown in the wiring diagrams at the back of this manual.

Step 4
Mount the front panel onto the back plate, tighten the retaining screws on the base. Switch on the power supply, the power light will illuminate.

neoHub Mini OT

1

2

Power
L ⏚ N

Zone 1 Zone 2
C1 NO1 C2 NO2

OT1 OT2

3

Power
L ⏚ N

Zone 1 Zone 2
C1 NO1 C2 NO2

OT1 OT2

4

neo
mini

neoHub Mini Explained

CH1 & CH2
Output status lights
- 🟢 Output On
- 🟢 Pairing Mode
- 🟠 Output Overridden On
- 🔴 Failsafe On
- 🔴 Reset

CH1   CH2   Power
                     Pair

heatmiser

Zone Pairing/Override buttons
Press and hold to enable pairing mode
Single press to override output on/off

Power/Pair/Reset button
Press and hold for 15
seconds to factory reset.

neoHub Mini Outputs

The neoHub Mini gives you the option to control one or two heating zones.

To control one heating zone, configure the neoAir in mode 1, then pair the neoAir to the CH1 heat output.

To control two heating zones, configure both neoAir's in mode 1, pair the first neoAir to the CH1 heat output.
Pair the second neoAir to the CH2 heat output.

OpenTherm®

OpenTherm increases the efficiency of the heating system by automatically adjusting the boiler's water temperature.
This is calculated by using the actual/target temperature, plus the demand from the system.

The neoHub Mini has an OpenTherm output to connect to a compatible OpenTherm boiler.
Check with your boiler manufacturer to verify if your boiler is OpenTherm compatible.
The OpenTherm connection to the boiler must be wired in shielded cable.

((ᵖ)) Pairing the neoAir V2 to the neoHub Mini

On the neoHub Mini...
Press and hold the 'CH1' or 'CH2' button for 6 seconds.

The zone light on the Hub will flash green to indicate pairing mode is active, example shown below pairing to CH1...

On the neoAir...

- Use the Left / Right arrow keys to scroll to ⏻
- Press and hold the Tick key for 3 seconds to turn off the display.
- SETUP is now highlighted, press the tick key once.
- The display will show a small 01 in the top right hand corner.
- Press the tick key once again to start the paring process, the display will appear as shown below;

Once the neoAir has successfully paired to the neoHub Mini, the zone light on the hub will turn off.

On the neoAir, navigate to ⏻ and press tick to turn on the main thermostat display, which will now show 📶 in the top left corner.

Repeat the process for pairing any additional zones.

To test the neoAir is switching the output on/off, use the up/down keys to raise the set temperature above the current room temp, press the tick key once.
The flame symbol will appear and the zone on the Hub will switch on.
Use the up/down keys to lower the set temp then press tick once to turn the output off.

neoHub Mini OT

Pairing the neoHub Mini to your WiFi

Download the Heatmiser neoApp to your smartphone or tablet. Sign in with an existing account or register a new account.

Once signed in, select 'Add neoHub' & select the neoHub Mini.

Press the Power/Pair button once on the hub, the power light will now flash red.

Go to your WiFi settings on your smartphone or tablet, select the neoHub Mini WiFi connection.

Once connected to the hub's WiFi , go back into the neoApp to configure the hub to your WiFi network.

The Neo app will guide you through this process step by step.

Once it's all connected, you can re-title your zones in the app and take full control of your heating system.

neo
mini

Wiring Diagram - 1 Heating Zone

ZONE 1

ZONE 2

| L | ⏚ | N | C1 | NO1 | C2 | NO2 | | | OT1 | OT2 |

230V/50Hz
MAINS
SUPPLY

L

E

N

NOT
USED

HEATING
VALVE 1

OpenTherm®
Connection
to boiler

(WIRE OT OUTPUT
IN SHIELDED CABLE)

11
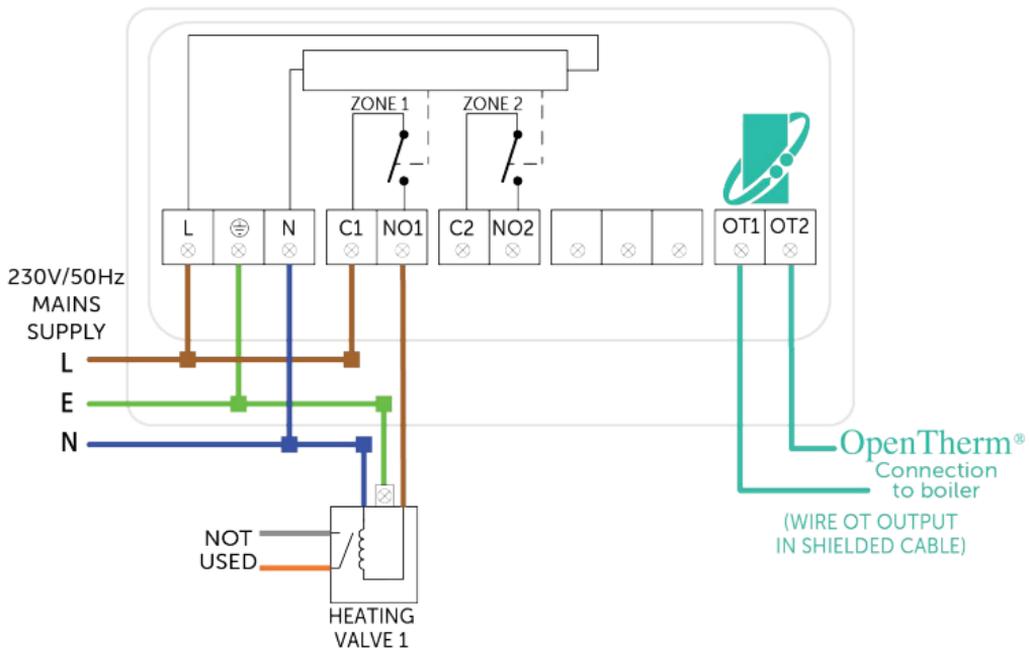
Wiring Diagram - 2 Heating Zones

ZONE 1
ZONE 2

| L | ⏚ | N | C1 | NO1 | C2 | NO2 | ⊗ | ⊗ | ⊗ | OT1 | OT2 |

230V/50Hz
MAINS
SUPPLY

L
E
N

OpenTherm®
Connection
to boiler

(WIRE OT OUTPUT
IN SHIELDED CABLE)

NOT
USED

HEATING
VALVE 1

NOT
USED

HEATING
VALVE 2
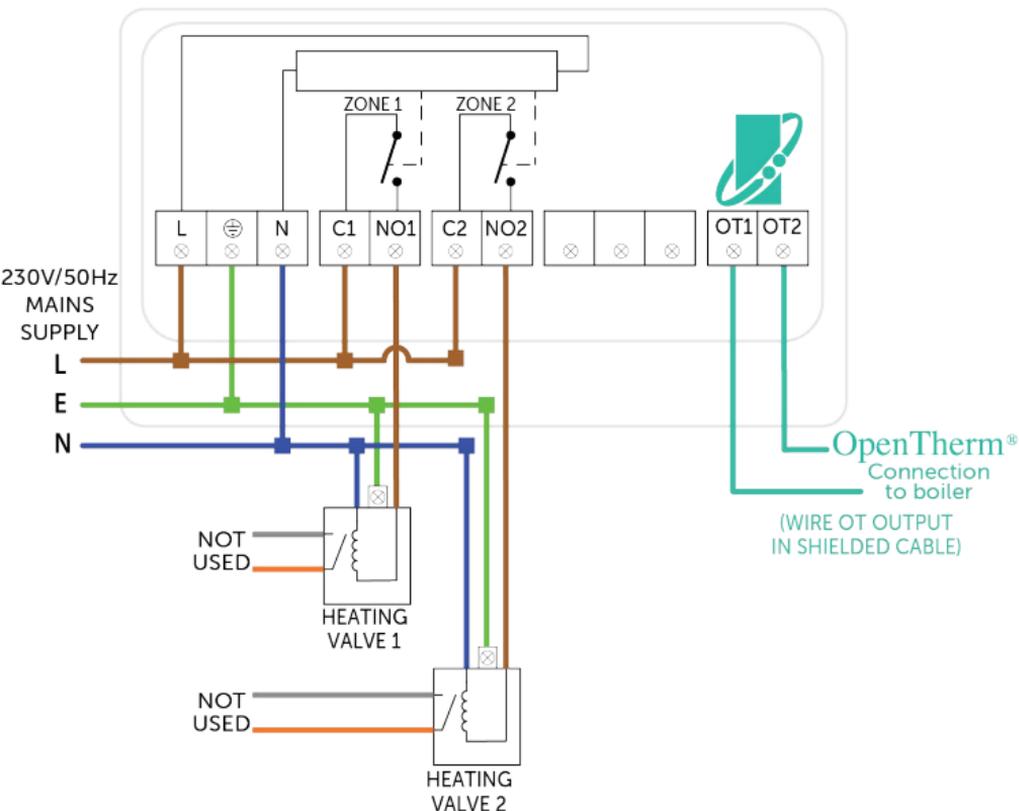
Channel Reset (CH1, CH2)

To reset CH1 or CH2 & remove the thermostat paired to that output, press & hold the CH1 or CH2 button, the red light will flash 3 times, then release the button.

Factory Reset

Warning - This reset will remove any thermostats that have paired and will also reset the WiFi connection settings. You will have to reconfigure these after resetting.

To reset all settings stored in the neoHub Mini;

Press and hold the Power/Pairing button for 15 seconds.
The CH1 & CH2 lights will start flashing.

Once the lights have stopped flashing, the hub will show the red power light only. Factory reset has completed.

Now pair your thermostats to the hub and reconfigure the WiFi settings as explained earlier in the manual.

Notes

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Want More Information?

Call our support team on: +44 (0)1254 669090

Or view technical specifications directly on our website:
www.heatmiser.com

PDF

FAQ

Heatmiser UK Ltd
Units 1-5 Hurstwood Court, Mercer Way
Shadsworth Business Park, Blackburn,
Lancashire, BB1 2QU, United Kingdom.

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