

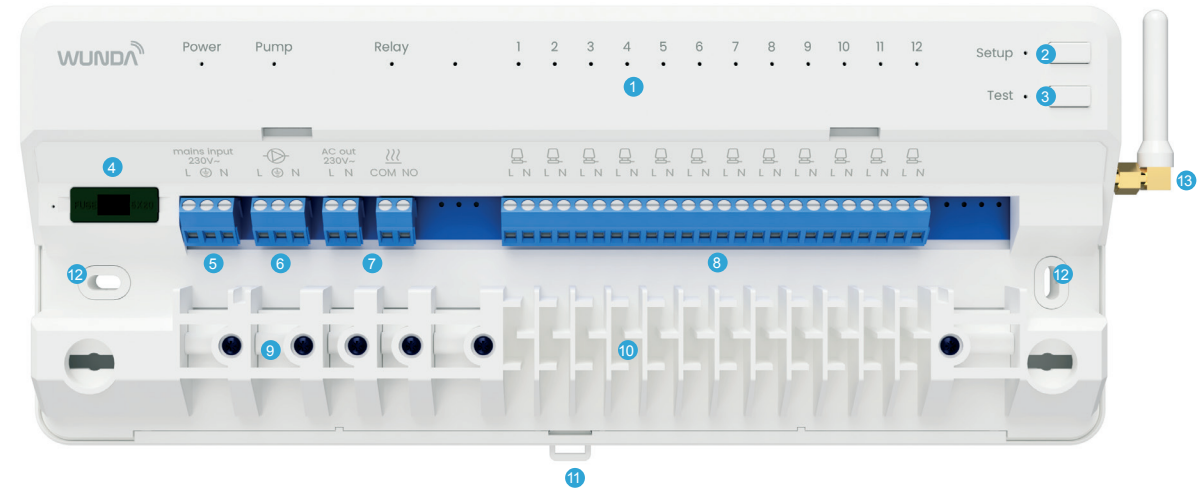


Welcome to WundaSmart

### Quick install guide

- A. First ensure your choice of Hub is set up and your Wunda Home App is installed.
- B. Mount the Connection Box near the manifold
- C. Connect the actuators to terminal 8
- D. Connect power 5, pump 6 and heat source 7
- E. Launch your App and choose **Devices**, then **Add device** and choose **Smart Connection Box**.
- F. Hold the Setup Button 2 and wait until it shows the device has been successfully paired.
- G. The Output Test Button is used to test the electrical output and the connection to the devices. Hold the Test Button 3 for 5 seconds or until the light begins to blink rapidly. Press the Test Button 3 again to move right along the outputs and press the Setup Button 2 to move left. To finish the test hold the Test Button 3 for 5 seconds.
- H. Configure Your installation in App

- 1 Status Lights
- 2 Setup/Pairing Button
- 3 Output Test Button
- 4 5A Fuse
- 5 Mains Input 230V~
- 6 Pump
- 7 Heat Source / 2 Port Valve
- 8 Actuators 1-12
- 9 Wire Clamping Area
- 10 Actuator Cable Channel
- 11 DIN Mounting Rail Clamp
- 12 Wall Fixing Holes
- 13 Antenna



For more information please visit:  
[support.wundahome.com](https://support.wundahome.com)



### Need our help?

Our designated support staff  
are on hand to answer all your  
questions



[help@wundasmart.com](mailto:help@wundasmart.com)






0800 083 2677

Technical Specification

Dimension	326 × 133 × 32 mm
Weight	490 g
Power Supply	230V~ 50Hz
Mounting:	DIN rail 35mm
Wiring:	Fixed wiring only
Fuse:	5A
Switch Rating	2(1)A 230V~
Pump circuit load:	2(1)A 230V~
Thermoelectric actuair circuit load:	12x 230V~ 50Hz/20W max
Ingress Protection:	IP20
Operating Temperature	0°C to 45°C
Storage Temperature	-10°C to 55°C
Ambient Humidity	Operating 25% to 90%, Storage 15% to 95% (non-condensing)
Software Class	A
Rated Impulse Voltage	2.5kV
Radio SRD Frequency	869.85 MHz
Radio SRD Bandwidth	125 kHz
Radio SRD Maximum Power	<5 dBm

The WEEE symbol means that a device must be disposed of separately from general household waste. When a device reaches the end of its life-span, it must be taken to a designated waste collection point for safe disposal or recycling.

This conserves natural resources, protects human health and helps the environment.



Manufacturer

WundaGroup PLC  
Caldicot, NP26 5AD  
United Kingdom  
www.wundasmart.com



Precautions

1. Installation and connection should be carried out by technical service or authorised and qualified persons according to applicable regulations and standards.
  2. Always disconnect the power supply when connecting or disconnecting the devices powered from the main device.
  3. Before the installation, read the terms and conditions of the warranty and these instructions. Improper installation or use against these instructions will void the warranty.
  4. All repairs to the device should be carried out by a competent electrician. Otherwise, it will void the warranty.
  5. This device should not be installed or worked on by minors, people with reduced physical or mental abilities or with lack of experience or knowledge of the
- equipment, except if supervision and instruction for the safe use of the equipment is provided in such a manner that all the associated hazards are understood.

  6. If a power cord is damaged, it should be replaced by a qualified person in order to avoid a hazard.
  7. Do not install the device with mechanically damaged casing or damaged/broken cables.
  8. The device must not be exposed to water or excessive humidity resulting in steam condensation (e.g. caused by rapid changes of the ambient temperature).

UKCA Declaration of Conformity

This device is in compliance with essential requirements and other relevant provisions of the following UKCA Directives:

- Radio Equipment Regulations 2017
- Electrical and Electronic Equipment Regulations 2012

A copy of the UKCA Declaration of Conformity is available at: [www.wundasmart.com/conformity](http://www.wundasmart.com/conformity)

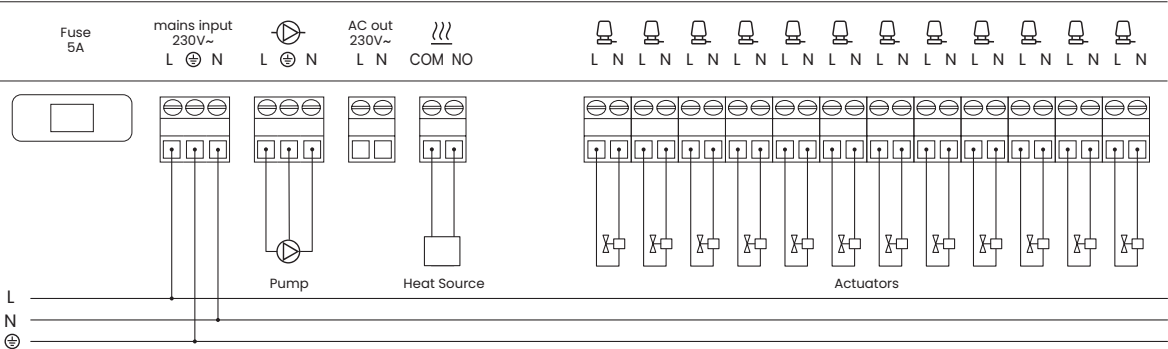
EU Declaration of Conformity

This device is in compliance with essential requirements and other relevant provisions of the following EU Directives:

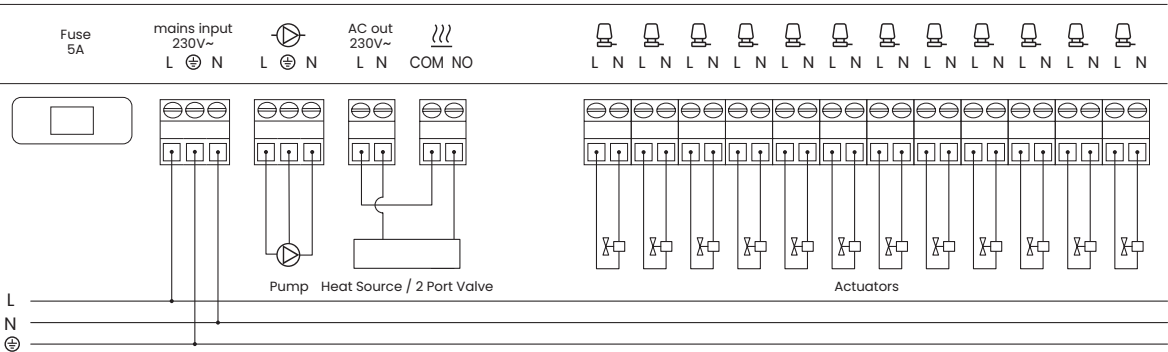
- RED Directive 2014/53/EU
- RoHS Directive 2011/65/EU

A copy of the EU Declaration of Conformity is available at: [www.wundasmart.com/conformity](http://www.wundasmart.com/conformity)

Heating Source - Volt Free/ Low Voltage Heat Source (wiring example)



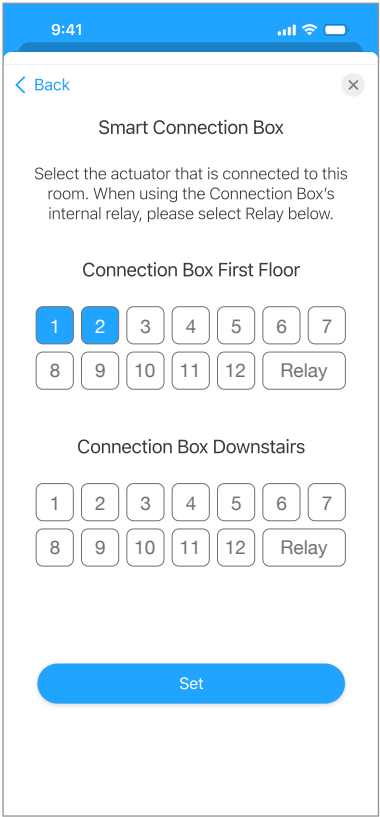
Heating Source - 230V~ Output (wiring example)



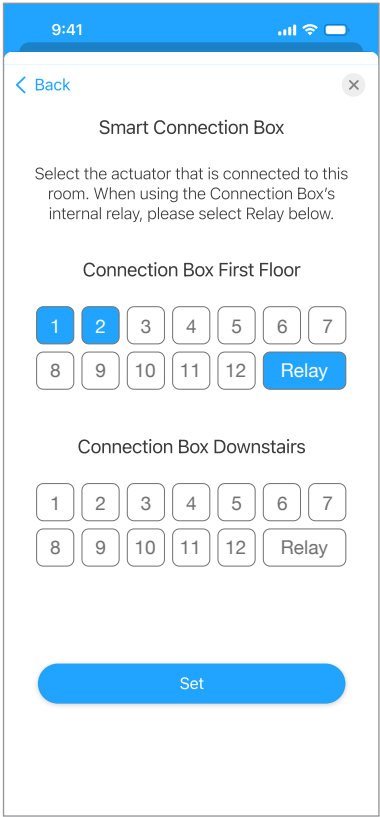
# Configuring Relay and Loops in the Wunda Home Application

- A. With the hub setup and rooms created. Open the **Room** where you want to configure multizone floor heating outputs..
- B. Tap the **"Settings"** tab on the bottom right of the screen, and scroll down to **"Advanced Parameters"**.
- C. Tap **"Connection Box Configuration"**.
- D. Highlight each actuator that is connected to this room by tapping on them. If there are multiple connection boxes ensure you are highlighting outputs on the correct one.
- E. If you have used the connection box relay for your two port valve, or directly to the heat source, ensure that you have also selected the **Relay** in the connection box configuration (as shown at picture B).
- F. Save these settings by tapping the **"Set"** button. Repeat this process for all rooms that need configuring for multizone floor heating.

Picture A



Picture B



## Installers Notepad

Output	Connected to Loop	Room Name
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		

This Smart Connection Box is Connected to:

Notes: