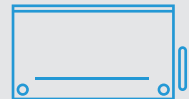


wunda

Smart Connection Box

Installation Guide



General information

The **Smart Connection Box** controls Electronic Actuators, circulating pump and heat source or zone valve.

The **Smart Connection Box** is a part of the heat management system for your home.

One **Smart Hub** supports up to **4 Smart Connection Boxes**.

The **Smart Connection Box** has a range of functions:

- Control **Electronic Actuators**
- Supports up to **12 heating zones**;
- Controls the **circulating pump manifold**;
- Is equipped with a **potential-free contact (relay)** for controlling an external heating source/ zone valve.

Manufacturer

Wunda Group PLC

Unit 10

Kingsway Buildings, Kingsway
Bridgend Industrial Estate,
Bridgend,
Glamorgan,
CF31 3YH

If for any reason you need to return your Wunda Smart products, simply return the product in its original box to us at the above address. Any return is subject to our refund policy so please don't forget to check the terms and conditions.

By using Wunda Smart and other Wunda Smart products you agree to our terms and conditions, which can be found on our website www.wundasmart.com

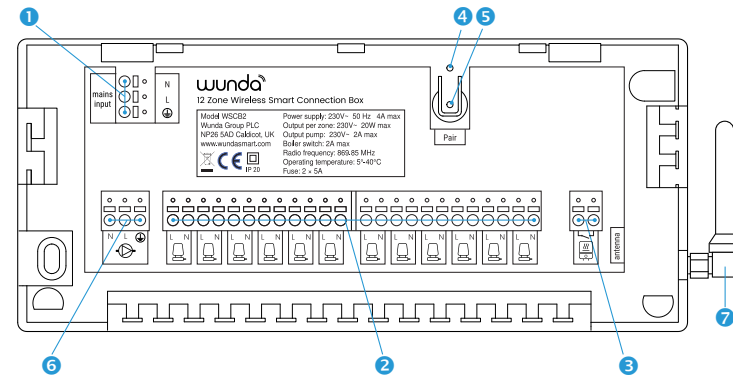
⚠ Note: large metal objects located in the vicinity of or between the **Smart Hub** and the **Smart Connection Box** may have a negative effect on the quality of radio transmission between the devices. External antenna should be placed vertically. The device should be connected to a single-phase power system according to the standards in place. The connection method is described in this manual. Dismounting of the housing, incorrect assembly or use, and operation contrary to the guidelines set forth in this manual will result in the loss of product warranty and cause the risk of electric shock.

⚠ Before starting the installation process make sure that there is no voltage on the connection cables. Installation should be performed with a flat screwdriver (up to 3mm in diameter). To ensure correct operation of the device, make sure that it is transported, stored and used appropriately.

⚠ **WARNING!** Don't mount device above 2 m over the floor level.

Device appearance

- 1 230V~ power mains input
- 2 12 outputs for electronic actuators
- 3 heating source switch max 2A
- 4 status LED
- 5 pairing button
- 6 output for 230V~ the circulating pump, max 2A
- 7 antenna



Installation

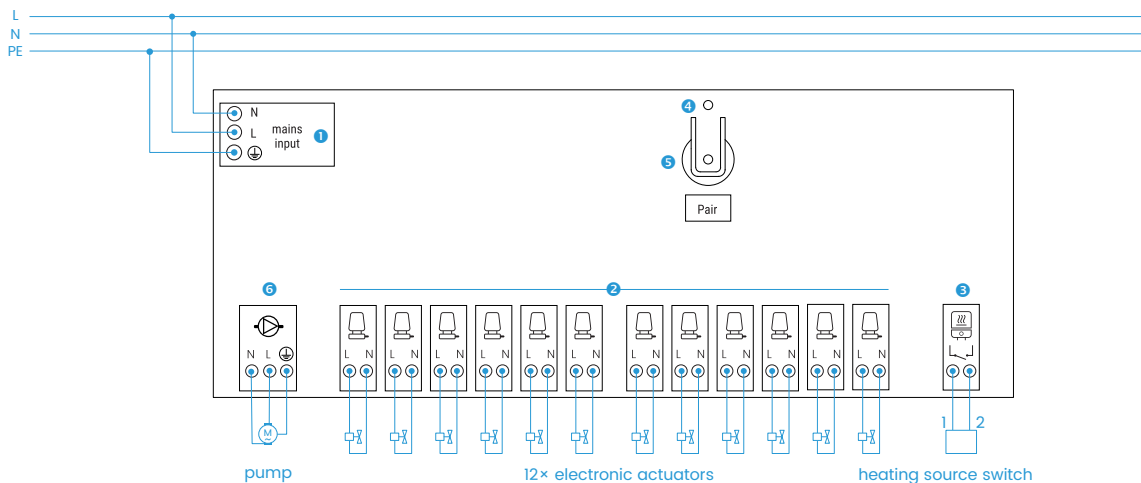
The **Smart Connection Box** must be installed in a suitable location above the manifold within reach of the actuator power cables. All installation and connection steps should be performed by appropriately qualified and authorized persons in accordance with applicable regulations and standards.

1. Installation of the **Smart Connection Box** should be installed via **fused spur**.
2. Isolate and turn off spur from mains

power and connect the **Smart Connection Box** to the spur **1**

3. Connect to electronic actuators installed on the manifold in correct order to relevant contacts **2**
4. Connect **manifold pump** to contact no **6**
5. **Heat source/ zone valve** can be connected to relay output **3**
6. **Turn on the power** for your Smart Connection Box

Wiring diagram:



Registering the device

Ensure that your **Smart Hub** is correctly installed and registered.

Open the **WundaSmart application** and log in to your **Smart Hub**, select the **Devices** from main menu and choose **Smart Connection Box**.

You have **30 seconds** to pair the **Smart Connection Box**. Press and hold button **5** and wait for the LED light **4** to turn green. The installed **Smart Connection Box** will appear on the device list. Configure heating zones (rooms) in your application.

Precautions

- Installation and connection should be carried out by technical service or authorized and qualified persons according to applicable regulations and standards.
- Always disconnect the power supply when connecting or disconnecting the devices powered from the main device.
- 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.
- All repairs to the device should be carried out by a competent electrician. Otherwise, it will void the warranty.
- 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.
- If a power cord is damaged, it should be replaced by a qualified person in order to avoid a hazard.
- Do not install the device with mechanically damaged casing or damaged/broken cables.
- 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).

Technical data

Power supply	230V~ 50Hz 4A max
Output per zone	230V~ 20W max
Output pump	230V~ 2A max
Heat Source Switch	2A max
IP rating	IP20
IEC protection class	II
Permissible range of ambient temperatures	from 5–40°C, without condensation
Internal Fuses	2×5A
Radio communications:	869.85MHz, two-way
Maximum transmitter power	< 5 dBm e.r.p.
Antenna:	yes (supplied)