

Wireless floor heating junction box multi-function controller

- ✓ High-quality injection molding technology
- ✓ Simple and generous appearance design
- ✓ Simple installation and flexible operation
- ✓ Relying on stable RF wireless technology, the thermostat is paired with the receiver, the signal is stable, and the pairing speed is fast

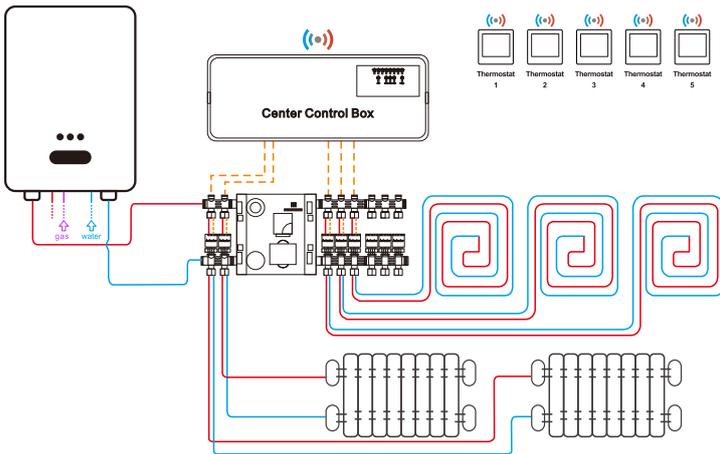
Parameter

Supply voltage	AC100~240V; 50/60Hz
Max load	10A
Storage temperature	-20~70°C
Environment humidity	-20~60°C
Dimensions	280mm x 110mm x 40mm
Shell material	Anti-Flammable PC

Version:WBG833 1.0(05/2023)

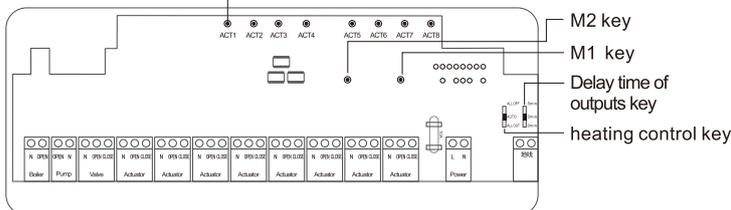
System Introduction

Underfloor heating centre control box can receive the heating signals of the underfloor heating thermostats in each room to achieve the goal of safety, comfort and energy saving of the heating system. After receiving the heating signal, the centre control box will first open the valve on the manifold. After a delay of 3 minutes, the boiler, circulating pump, and water valve are opened.

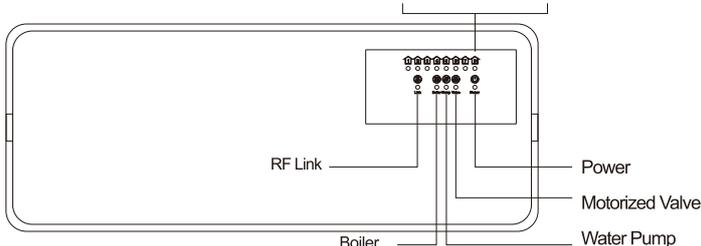


Key Description

When a room/area of ATC1 to ATC8 needs to be paired, select the corresponding ATC key to pair.



The red indicator lights up when room/zone control indications 1 to 8 are output.



User Operation

Delay time of outputs : Toggle the " Delay time of outputs key " to adjust the delay time for 5min/3min/0min;

Heating Control: Toggle the " heating control key " to adjust the mode ALL OFF/AUTO/ALL ON;

Reset: Press and hold the " M2 " key for 3 seconds, and the buzzer will beep for 1 second, then the device will be reset;

Pairing the RF Thermostat with the Junction Box:

- ① Toggle the "heating control key" to "AUTO";;
- ② Press one of the "ACT" key for 3 seconds. Then the corresponding ACT light on, the LINK light starts to flash. Now the junction box enters the pairing state;
- ③ Adjust the RF thermostat to the pairing state;
- ④ When the buzzer of the junction box beeps, and the LINK light and the ACT light keep on for 2 seconds and then turn off, then the pairing is successful.

*** Note: If pairing is successful, the corresponding ACT indicator will be always on when it is heating.**

Clear the Paired RF Thermostat:

- ① Selecting the corresponding " ACT " key of the room or area you want to clear, press and hold the "ACT" key for 3 seconds, and the LINK light will flash;
- ② At this time, double-click the " ACT " key, when the LINK light stops flashing, the corresponding RF thermostat is cleared;

Pairing the RF Receiver with the Junction Box:

- ① Toggle the "heating control key" to "AUTO";;
- ② Press and hold the " M1 " key for 3 seconds, then the LINK light starts to flash, and the junction box enters the pairing state;
- ③ Adjust the RF receiver to the pairing state;
- ④ When the buzzer of the Junction Box beeps and the LINK light of the Receiver is always on, then the pairing is successful.

*** Note: After pairing, you can short press the " M1 " key to exit the pairing state.**

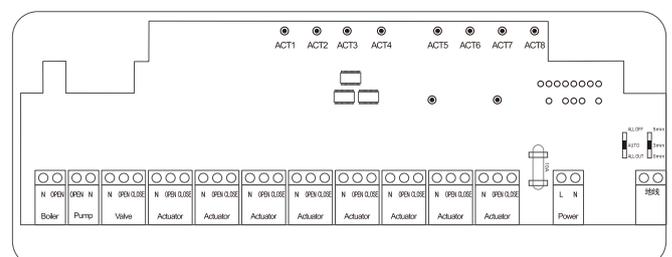
Clear the Paired RF Receiver:

- ① Press and hold the " M1 "key for 3 seconds, then the LINK light flashes;
- ② At this time, double-click the "M1"key to clear the device;

Notes

1. Maximum load of 10A for full load access to the control box.
2. When the thermal actuator has been in continuous operation for 3 minutes, the circulation pump, the water valve and the boiler open in linkage.

Interface Description

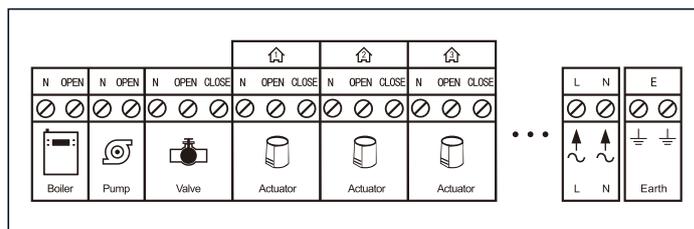


Indicator Status Description

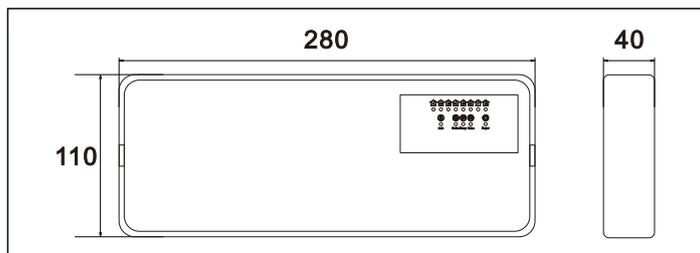
Indicator Light Name	Blinking situation	Illustration
Power indicator	Permanently on	Power is on
Valve 1 light	Permanently on	Valve 1 is ready
Valve 2 light	Permanently on	Valve 2 is ready
Valve 3...8 light	Permanently on	Valve 3...8 are ready
Boiler light	Permanently on	Boiler relay passive output
Water pump light	Permanently on	220V Output Interface
Motorized valve light	Permanently on	220V Output Interface

Wiring Diagram

The installation can be viewed with the corresponding terminal silk screen, the specific equipment terminal silkscreen is illustrated in the following diagram.

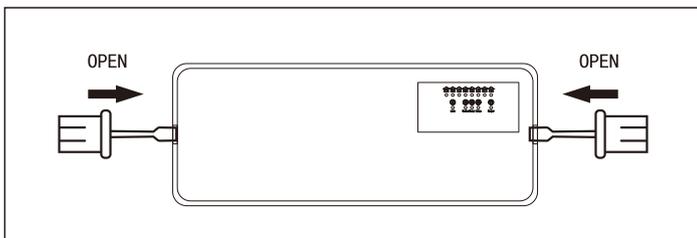


Dimensions (Unit: mm)

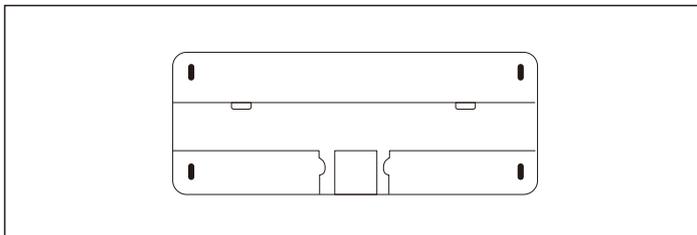


Mounting Steps

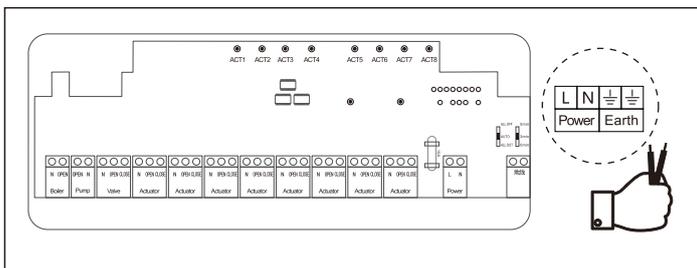
1) Insert a screwdriver into the recesses on the left and right sides of the collector and press down into the middle with the screw driver.



2) Fix to the wall with self-tapping screws or snap directly onto the rail.



3) Connect the power cable and follow the silkscreen on the circuit board to connect the control cable for the water valve.



4) After connecting the wiring, close the cover plate.

