

BEOK 2025 CATALOG

Wired Hub controller



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About BEOK

CE RoHS RED EAC

Shanghai Beok Controls Co., Ltd, founded in 2010, has over 10 years experience to integrate the research, development and production of HVAC control system products. We adhere to the strict and practical product requirements, and take a serious and responsible attitude to provide every customer with better products and better services.



BEOK Service



Customize
Program



Customize
App



Design/
Printing



Customize
Product Color



Customize
Package



ODM
Service

Wired

Hub Controller

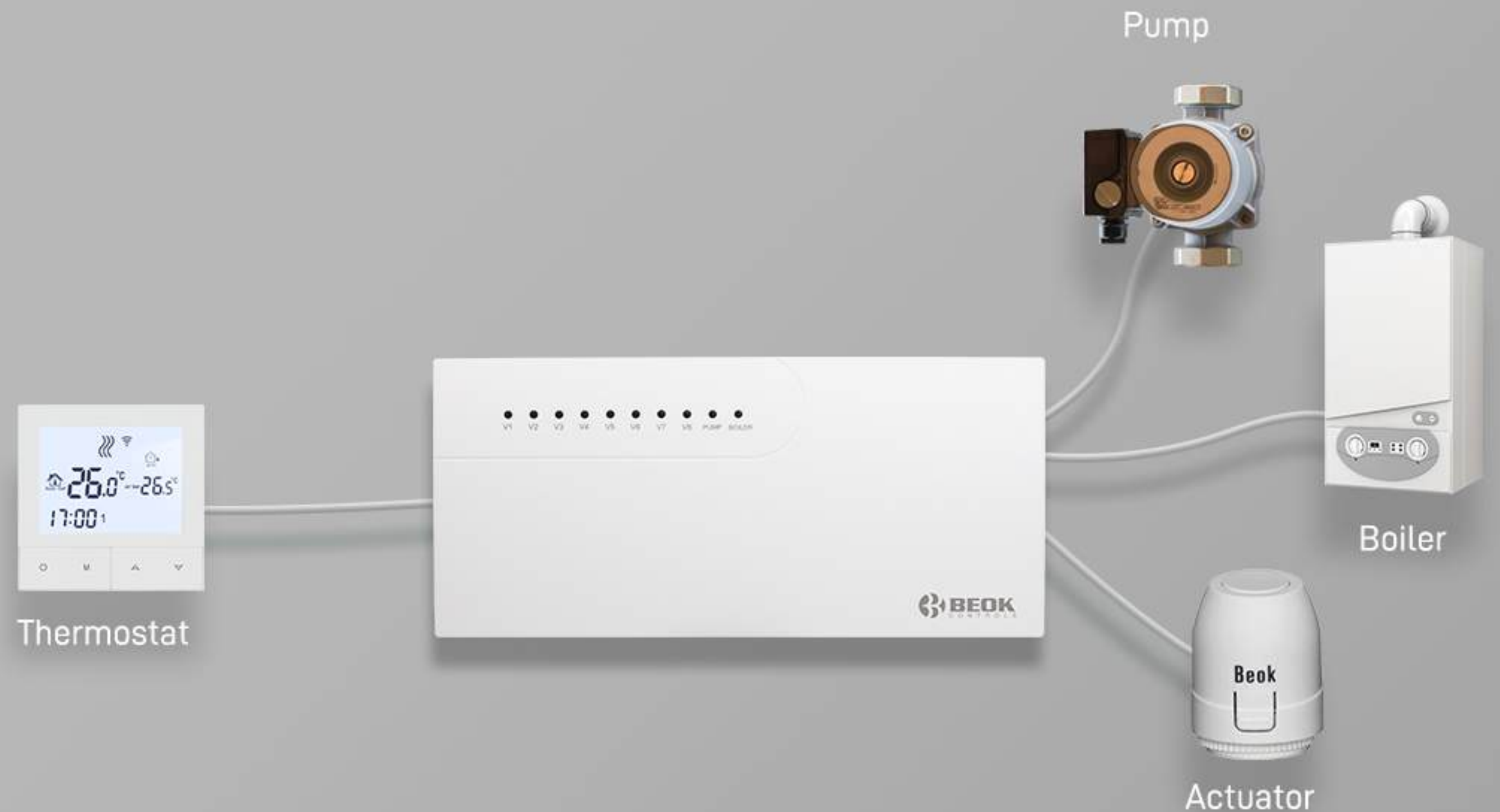
The thermostats is connected to the control center by cables.

Hub Controller



Wired Hub Controller

BEOK underfloor heating control centre is used in water underfloor heating system. It is connected to the thermostat via cable. It also can control zone valves, boiler, thermal actuators and circulating pump.



ATTENTION

- 1** Before installation, removal, cleaning or maintenance of controller, you must cut off the main power, unplug the fuse or turn off the switch circuit breaker;
- 2** You must read the instruction in detail before installing the controller, and strictly operate thermostat accordance to instruction;
- 3** Controller should be installed by professional engineering company with appropriate safety knowledge;
- 4** All wires connections should meet local and national standard;
Controller should be used strictly according to this instruction!

Contents

CCT-10

☞ P08



NO



NC

CCT-25 CCT-28

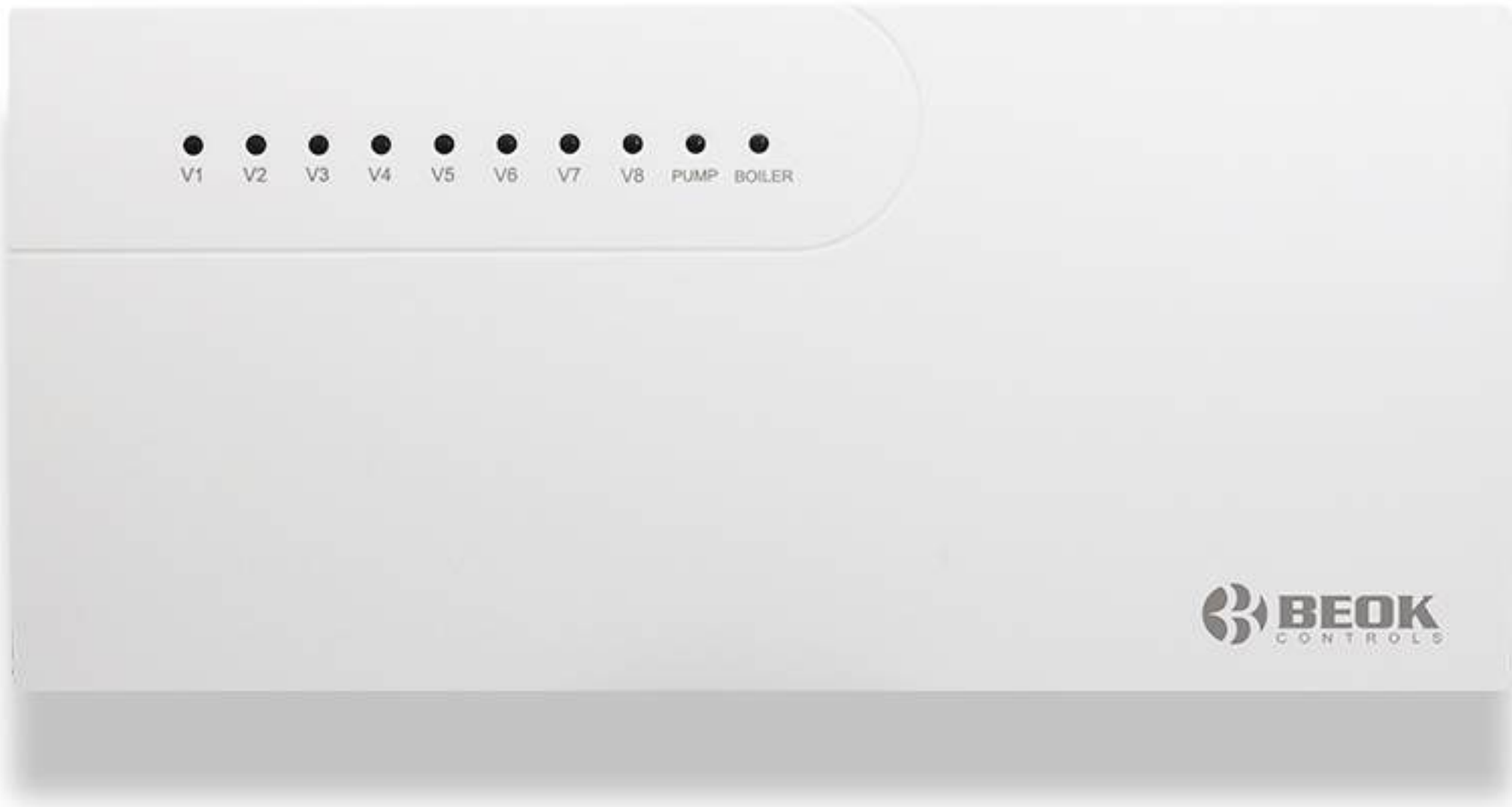
☞ P11



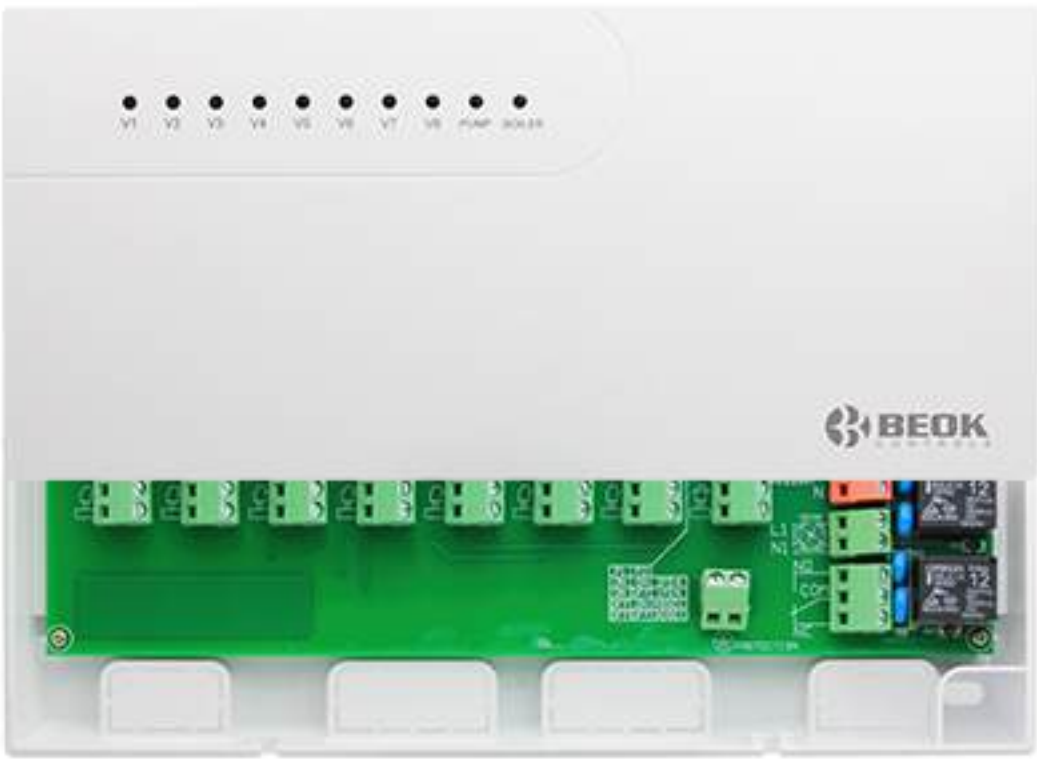
5-Way



8-Way



CCT-10-NO



CCT-10-NC

Model No.

CCT-10

240x110x42mm

Technical Data

Power supply
AC170~240V; 50/60Hz

Load current
3A

Working environment
-20~60°C

Storage temperature
-20~70°C



Product Advantage

- 1 Easy to connect with power:**
user only needs to reserve main supply in the place of manifold before installation, and directly connect one three-wires cable to thermostats. So user do not need professional wiring workers;
- 2 Easy to connect wires:**
user only needs to connect wires according to wire colors;
- 3 Easy maintenance after installation:**
all wires are very clear and neat;
- 4 To protect boiler or pump:**
because hub controller has time delay function, it opens boiler and pump only when water valve is totally opened, and closes boiler when temperature reaches requirements. Time delay to open boiler and pump when heating can realize the purpose of energy-saving;
- 5 To extend boiler and pump life:**
hub controller only start boiler and pump in appropriate temperature, in this way, it will reduce boiler and pump running time, to extend their working life.

Device Overview

- 1

Connect to thmerostat and actuators. Each hub controller can control up to 8 thermostats and thermal actuators.
- 2

AC 220V
- 3

Connect to pump
- 4

Connect to gas boiler
- 5

Earth
- 6

Control delay time
- 7

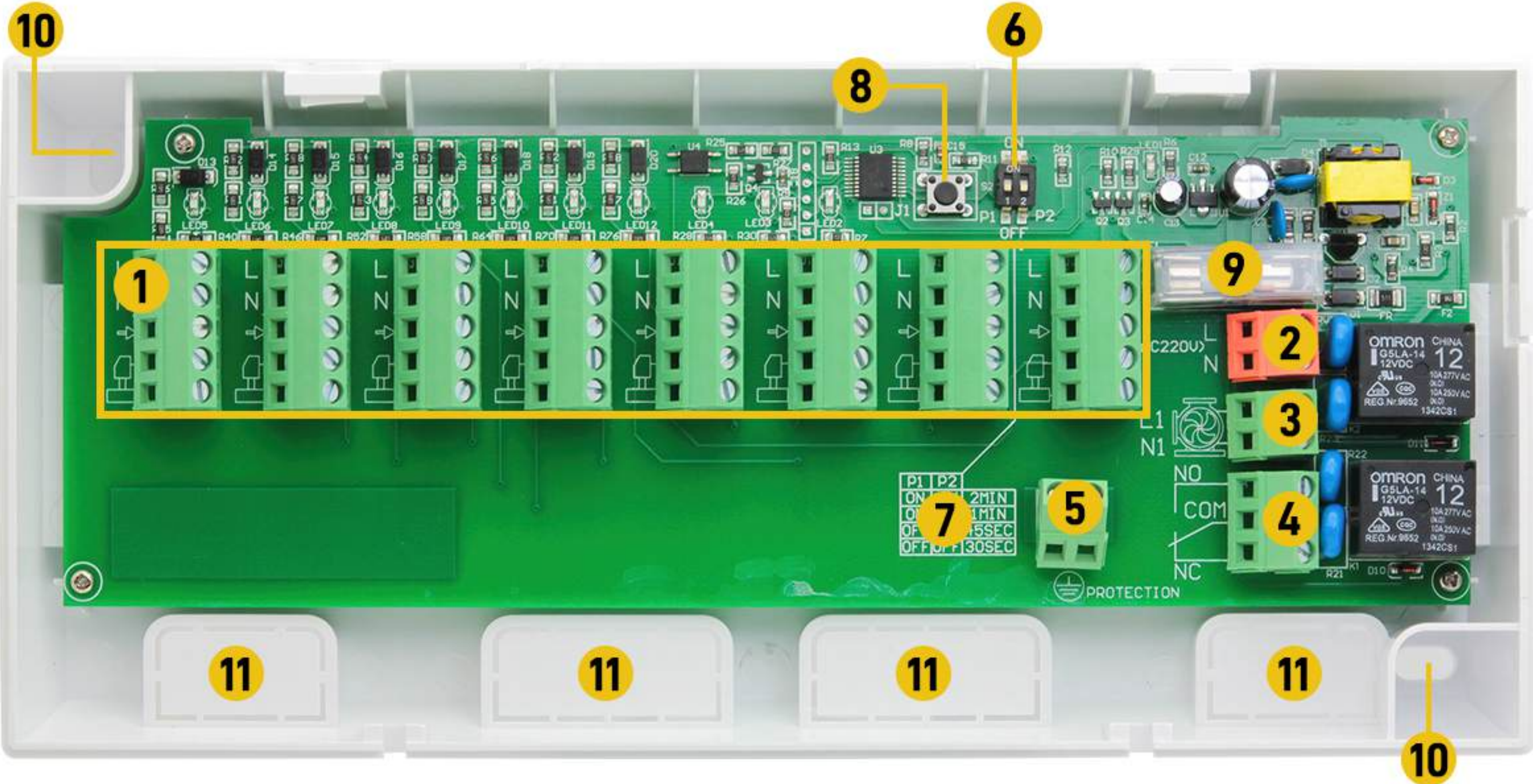
Delay time
- 8

Power on debug key
- 9

15A fuse
- 10

Fixed screw position
- 11

Threading hole



Input Indication

- When LED1 is constant light, it indicates that there is a power input;
- LED2 is flashing, it is a status indication (if breakdown occurs, light will be off or always on);
- When LED3-10 light is constant light, it indicates that motorized NC valve open. When light is off, valve is closed(NO valve is opposite);
- LED11 is pump working indication light; LED12 is boiler working indication light.



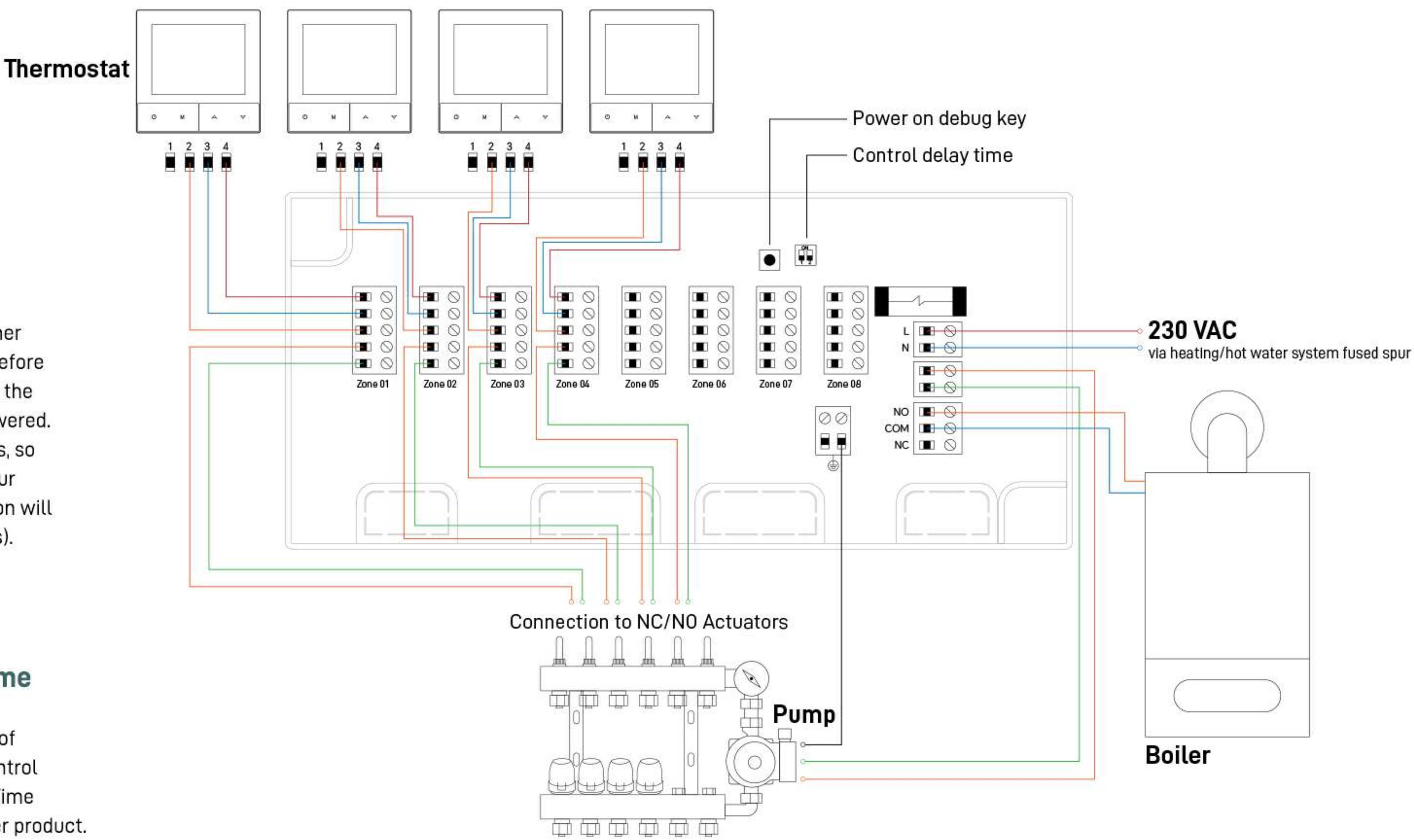
Wiring Diagram

About Debug

If you'd like to debug or check whether hub controller is working properly, before power on, you can press and hold on the debug key, then make controller powered. At this time, time delay function fails, so you can quickly check and debug your required function (debugging function will fail without operation for 20 minutes).

Change working delay time

You can change working delay time of pump/boiler through Delay Time Control Switch changes. See signed Delay Time Explanation printed on hub controller product.



Model No.

CCT-25

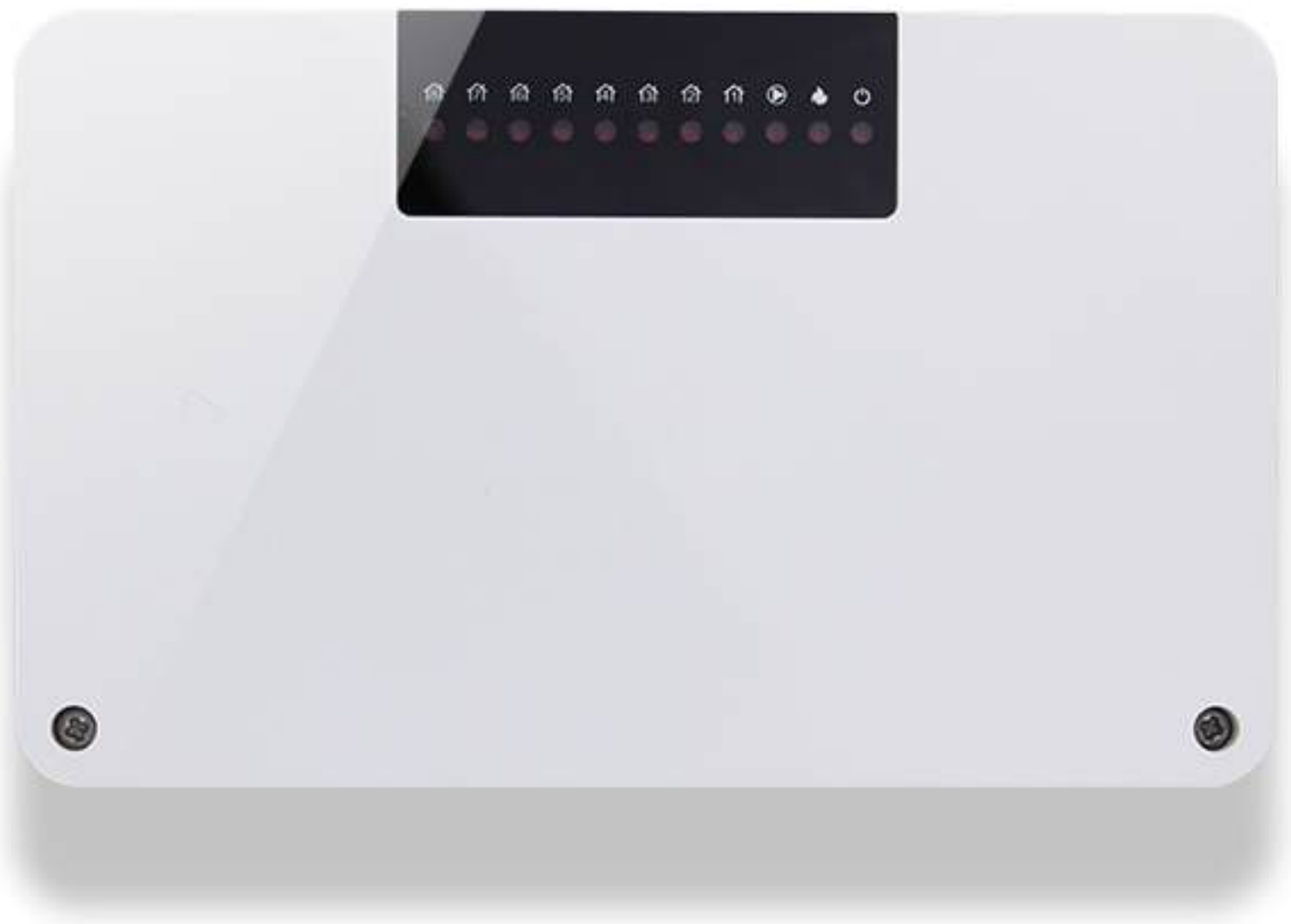
110x177x35mm



Model No.

CCT-28

110x177x35mm



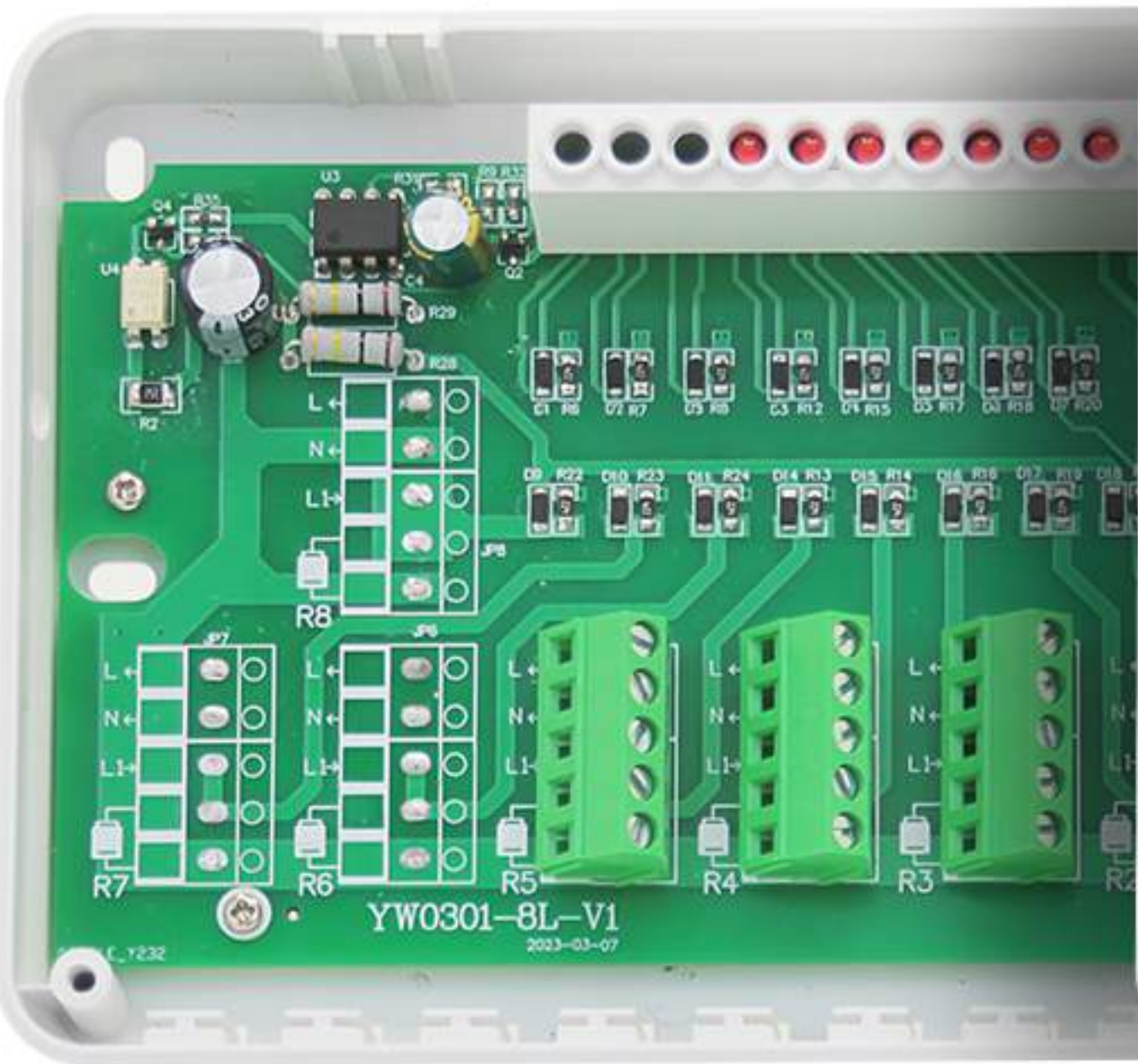
Technical Data

Power supply AC100~240V; 50/60Hz	Circulating pump output250VAC, 8 (5)A	The max number of actuators 3pcs each terminal
Load current 10A	Number of circuits 8 loops or 5 loops	Output delay 200s
Passive output (Boiler) 8A		

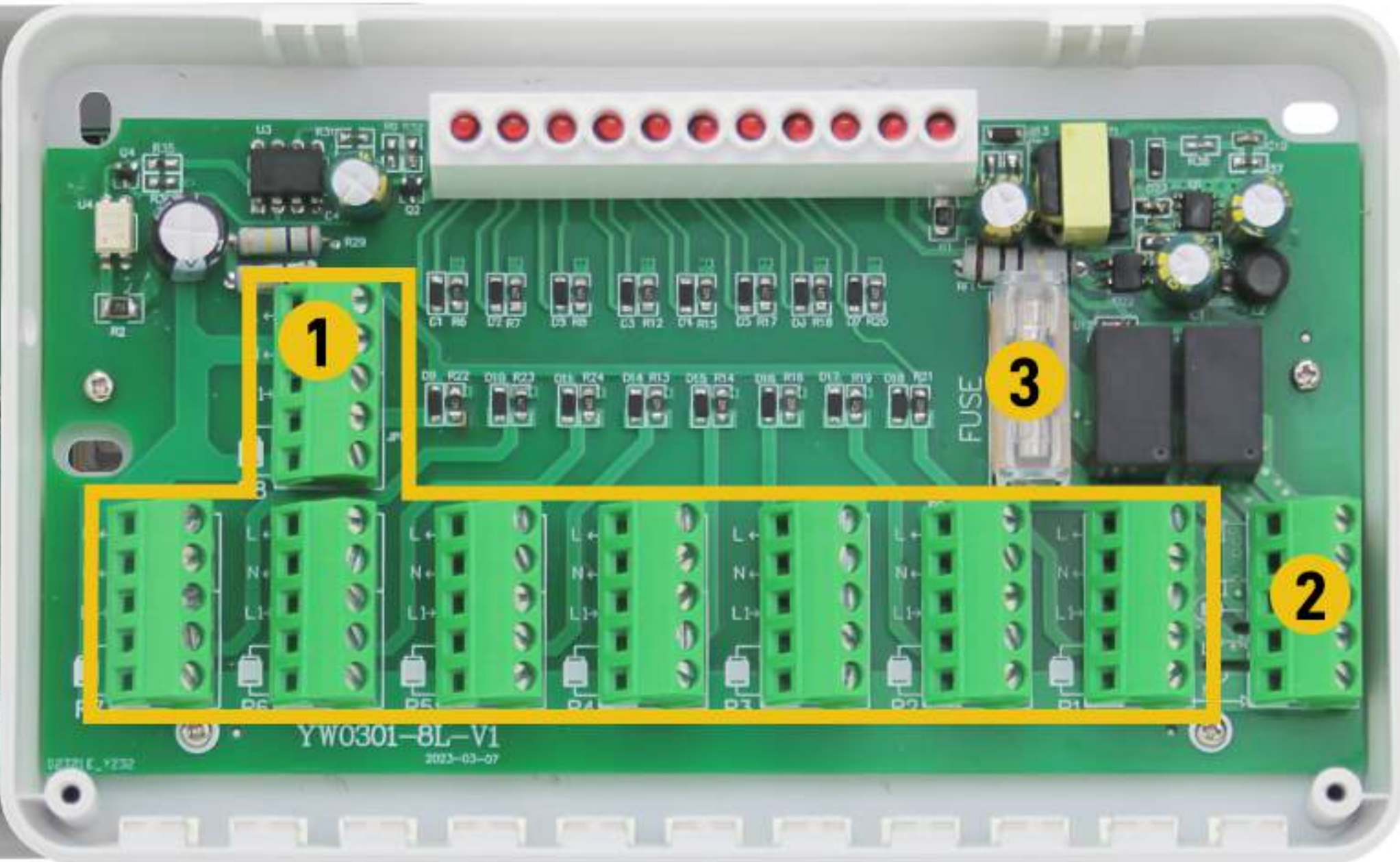
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CCT-25 internal (5-way hub)



CCT-28 internal (8-way hub)

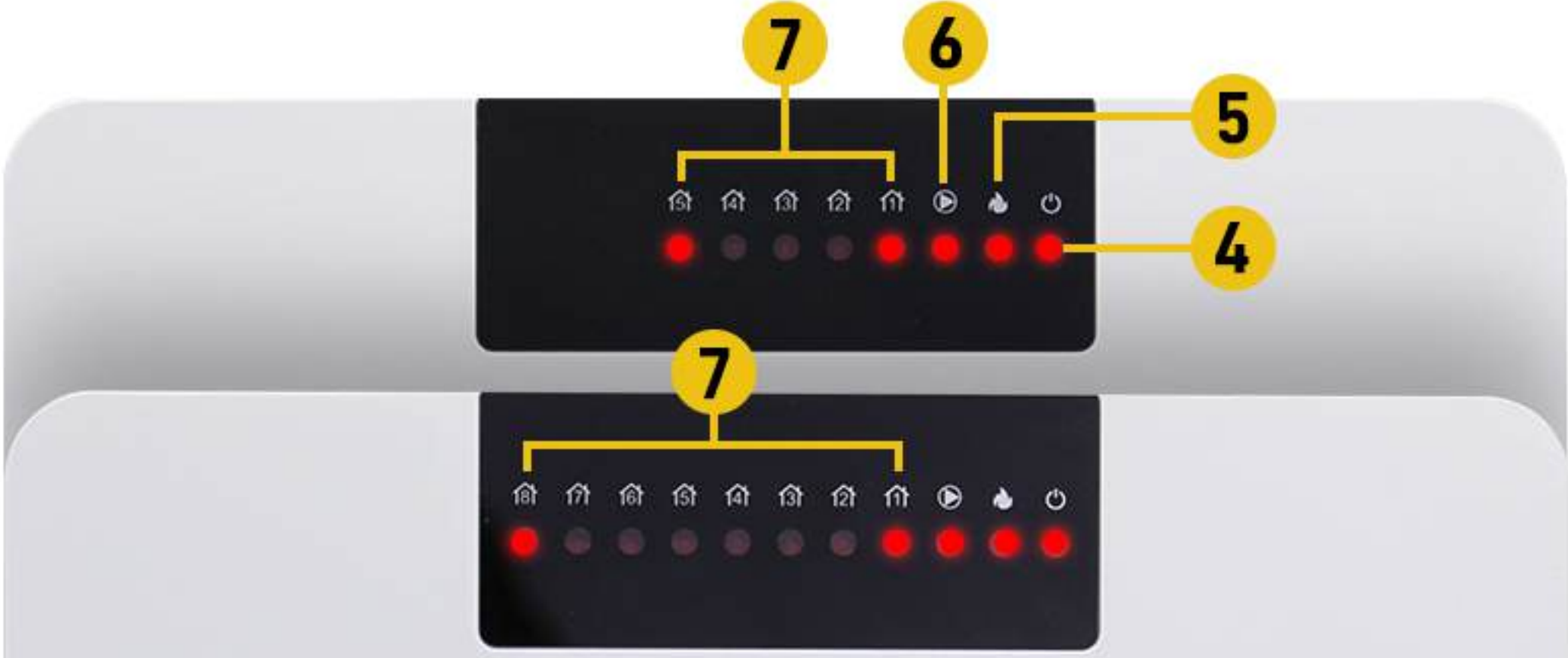


Device Overview

- 1 8 or 5 outputs/channels. Each hub can be connected:
Up to 1 thermostat
Up to 8 actuators
- 2 Be connected to gas boiler, pump, AC 220V
- 3 Fuse

CCT-25 indicator light (5-way hub)

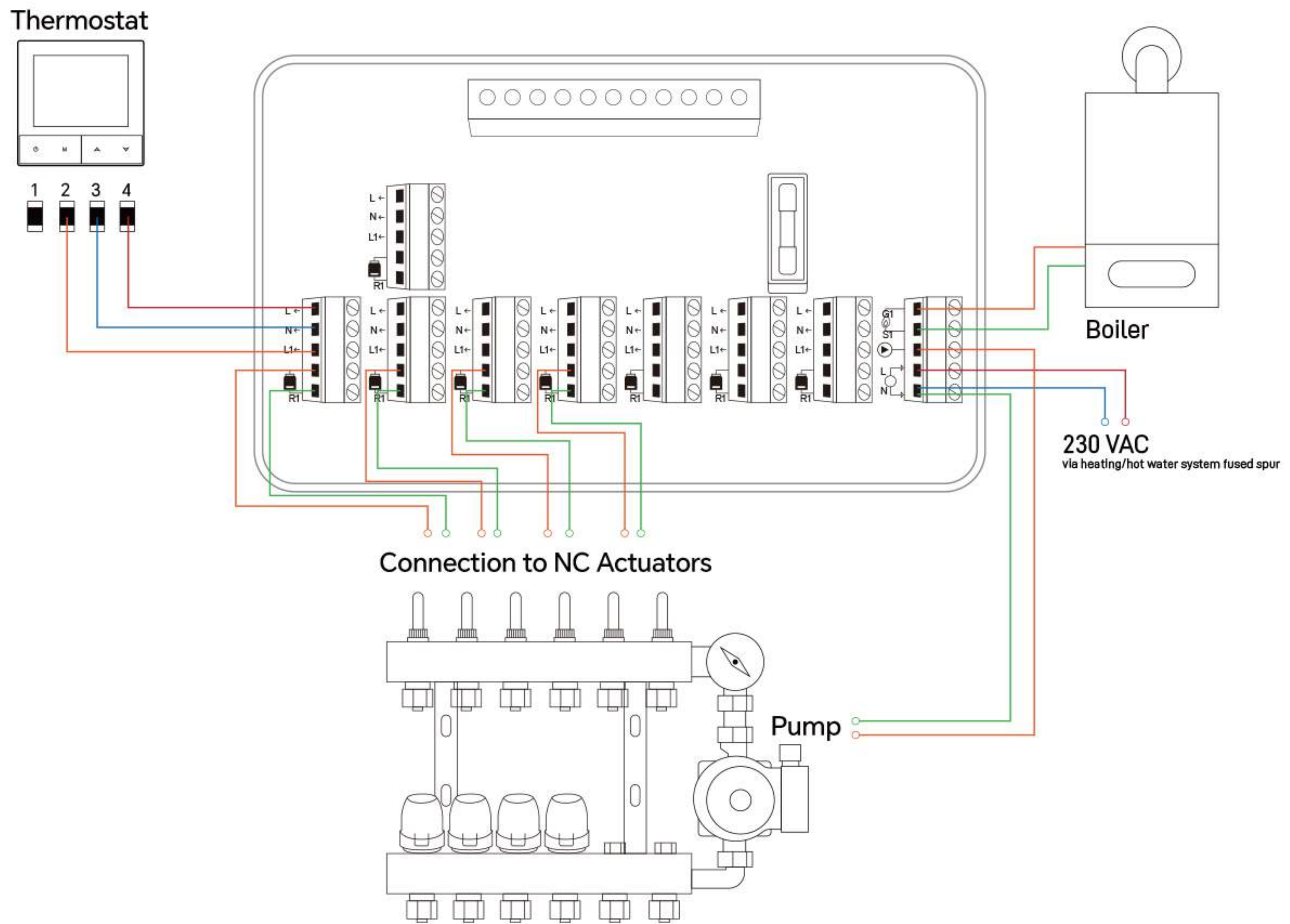
CCT-28 indicator light (8-way hub)



Input Indication

- 4 Power light
- 5 Boiler light
- 6 Pump light
- 7 Room lights

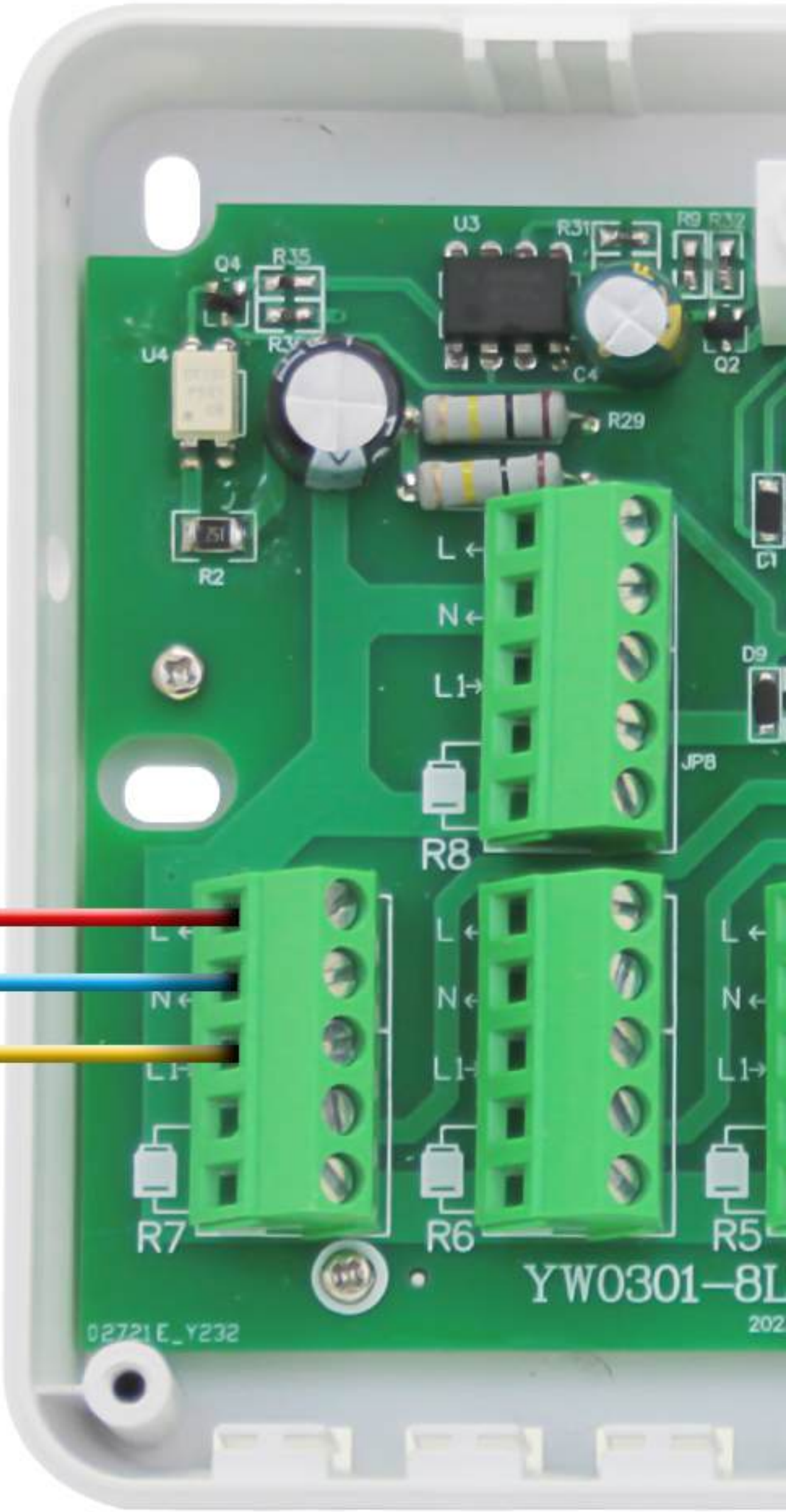
Wiring Diagram



CCT-10/CCT-25(8) Hub Controller Connected with Thermostats

We suggest use our wired hub controller with our Water Underfloor Heating Thermostats. Refer to the wiring diagram on the back of the thermostat on the right.

To get more information, please contact us to get our water underfloor heating thermostats catalogue.





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