

# 901Y Hub User Manual

**Thank you for purchasing our product. Please read the following instructions carefully before installation and use:**

- \* Ensure this product is compatible with your heating system before installation.
- \* Disconnect power before installation or maintenance.
- \* Follow the wiring diagram strictly to connect the wiring.
- \* Avoid pulling or forcing the wires to prevent product damage.
- \* Adhere to the specified technical requirements; do not exceed the interface load limits.
- \* When using rigid plastic wires, pre-bend them to the appropriate angle.
- \* Installation should be performed by a qualified professional.
- \* If the device malfunctions, contact customer service; do not attempt self-repair.
- \* After installation, refer to this manual for final checks to ensure safe operation and proper retention of the manual.

## 1. Overview

**1.1** Supports simultaneous control of electric valves, passive linkage control of heat pump units and boilers, as well as active linkage control of external water pumps (mixing centers) or two-wire valves.

**1.2** Provides dip switch control for 30~60~120~180 seconds delay linkage.

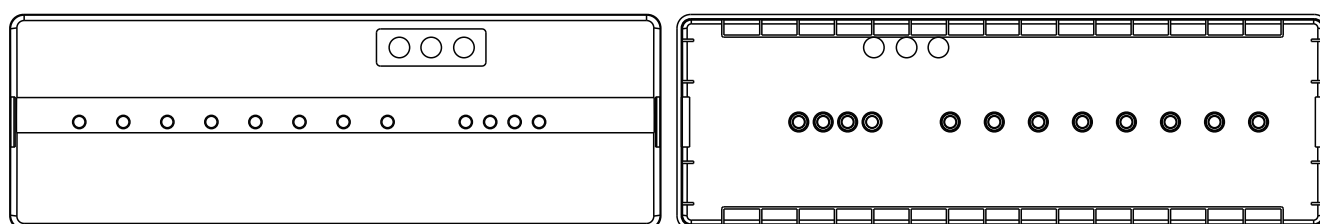
**1.3** Supports power supply for up to 8 underfloor heating thermostats (220V), ensuring safe and convenient wiring.

**1.4** Features zoning control indicator lights for clear and convenient operational status checks.

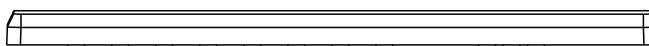
## 2. Troubleshooting

| Technical Specifications               |                   |                             |                           |
|----------------------------------------|-------------------|-----------------------------|---------------------------|
| <b>Operating Voltage:</b>              | 95~230V , 50/60Hz | <b>Pump Output Current:</b> | 95~230V, Max. 10A         |
| <b>Thermal Actuator Output Current</b> | 95~230V, Max. 5A  | <b>Operating Humidity</b>   | 5~95% RH (non-condensing) |
| <b>Boiler Output Current</b>           | 95~230V, Max. 10A | <b>Housing Material</b>     | PC+ABS                    |

## 3. Device Dimensions



Device Dimensions :  
333X 110 X 34.5mm

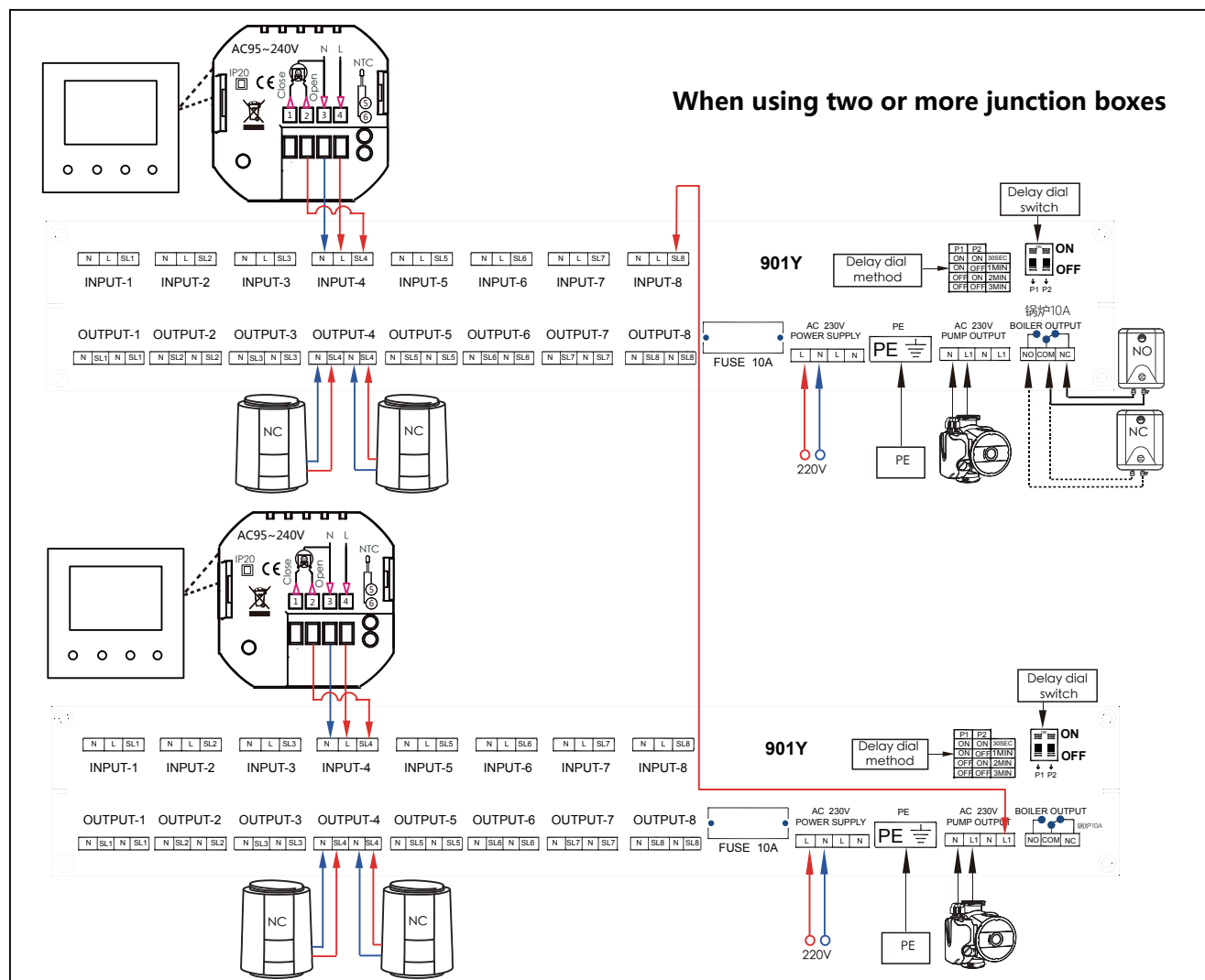
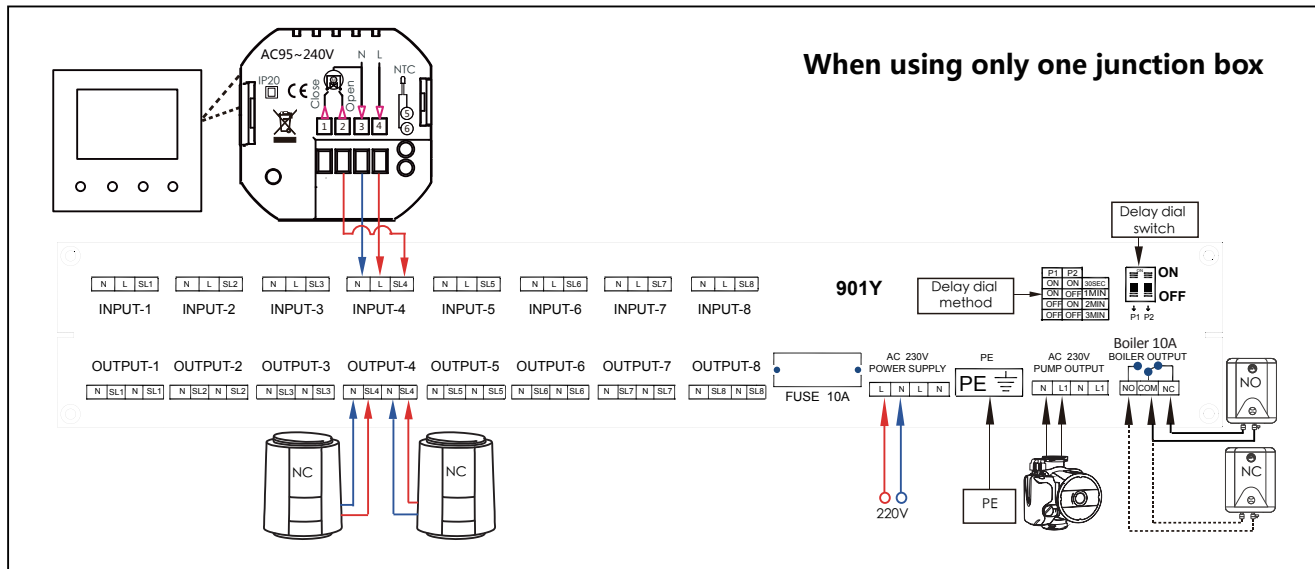


## 4. Delay Dip Switch Settings

When using a thermal actuator, the typical activation time is 80-160 seconds. To ensure proper operation of the pump and boiler, the system provides 30~60~120~180 seconds delay linkage settings via dip switch control

| P1  | P2  | Delay Time |
|-----|-----|------------|
| ON  | ON  | 30S        |
| ON  | OFF | 60S        |
| OFF | ON  | 120S       |
| OFF | OFF | 180S       |

## 5.Wiring Diagram



## Troubleshooting

| No.1 | Issue                           | Possible Cause                             |
|------|---------------------------------|--------------------------------------------|
| 1    | Power indicator is off          | Check wiring connections                   |
| 2    | Pump and boiler do not activate | Verify dip switch delay settings           |
| 3    | Indicator lights (1~8) are off  | Check if the thermostat is in heating mode |

### Serve

The thermostat is covered under a 24-month warranty from the date of purchase.  
Service fees may apply for repairs beyond the warranty period.  
details, please contact us directly.