XH-W3001 Manual

Welcome to the XH-W3001 Temperature Controller manual. This guide will help you understand and use your XH-W3001 controller with ease.

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W3001 Temperature Controller Digital Display AC 220V 1500W

Specifications:

Model: XH-W3001
Series: XH
Operating Voltage: 110~220 V
Power Supply: AC 220V
Max Power: 1500W
Temperature Measurement Range: -50°C to 110°C
Temperature Control Range: -50°C to 110°C
Control Accuracy: ±0.1°C
Display Type: Digital LED Display
Sensor Type: Temperature sensor
Relay Output: 10A
Cable Length: 1 meter
Operating Temperature: -20°C to 70°C
Storage Temperature: -30°C to 75°C
Dimensions: 60 x 45 x 31 (LxWxH) mm
Weight: 45g

Package Includes:

1 x W3001 Temperature Controller Digital Display AC 220V 1500W

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Description

The **W3001 Temperature Controller** is a reliable and easy-to-use device designed to help you manage and maintain the temperature of your projects. This controller features a digital display and ensures precise readings, making it an ideal choice for various applications.

The W3001 Temperature Controller has a digital display showing accurate temperature readings, allowing you to quickly monitor and adjust the temperature. Whether you are working on a DIY project or a professional setup, this controller provides consistent performance. It is compatible with AC 220V power and devices up to 1500W, offering versatility for different tasks.

This XH-W3001 temperature controller includes a temperature sensor that accurately detects temperature changes. The sensor ensures your setup remains at the desired temperature, making it perfect for projects that require precise temperature control. Furthermore, with the temperature detector sensor, you can trust that your environment will stay within the set range, ensuring safety and efficiency.

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XH-3001 Operating instruction

Measuring temperature range:-50~110°C
Controlling temperature range:-50~110°C
Controlling accuracy:0.1°C
Measuring input：NTC10K
Output type: output directly
Output capacity:MAX10A
Size:60*45*31MM

" ▲ " Press the button once to see the startup temperature. Hold the button down to set the startup temperature.

" ▼ " Press the button once to display the stop temperature. Press and hold to set the stop temperature.

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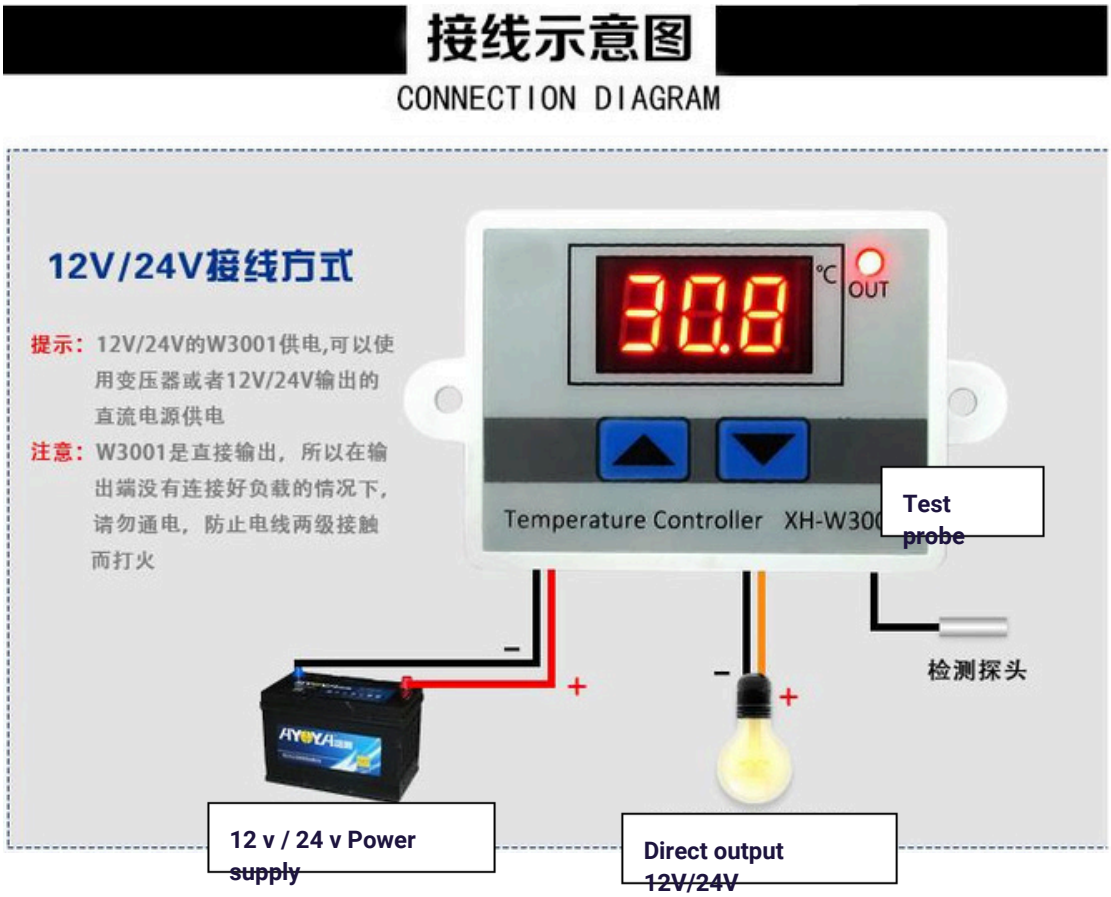
Connection Diagram of W3001 Temperature Controller



12V/ 24V Connection method

Tips: W3001 of 12V/24V power supply, can use transformer or 12V/24V output DC current to supply power.

Attention: W3001 outputs directly, in order to prevent the two level of cable contact to fire, so please don't power on when the output port doesn't connect well and under load.

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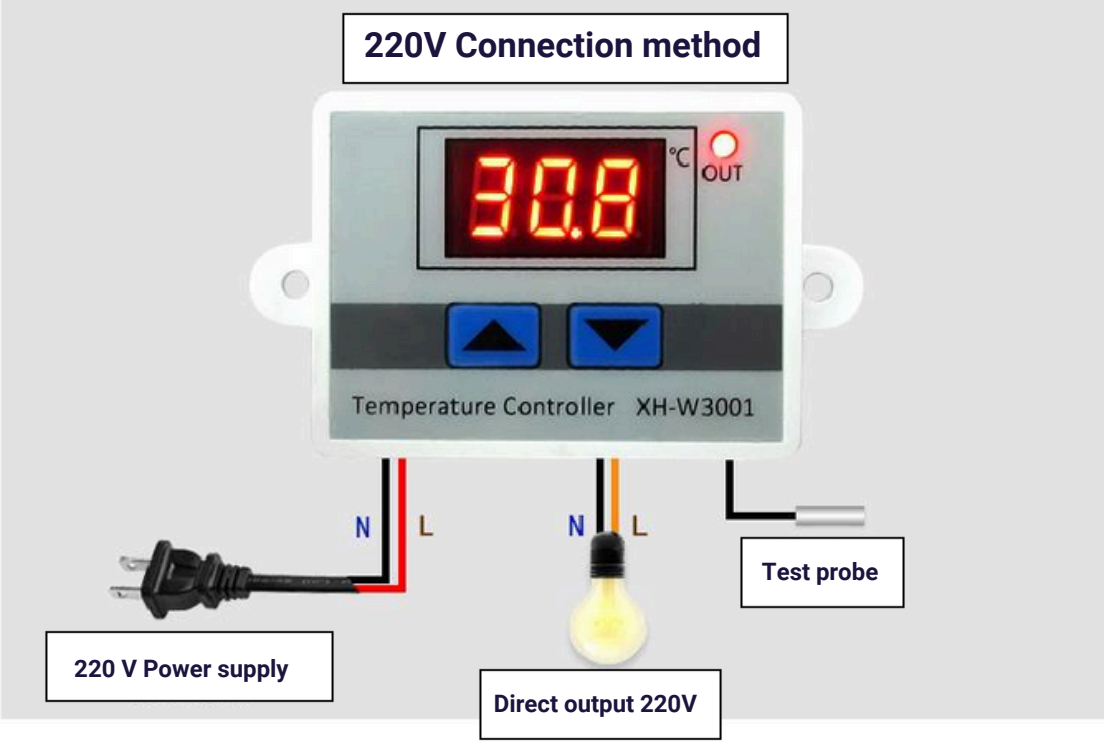


Operating Instruction

- Set startup temperature:

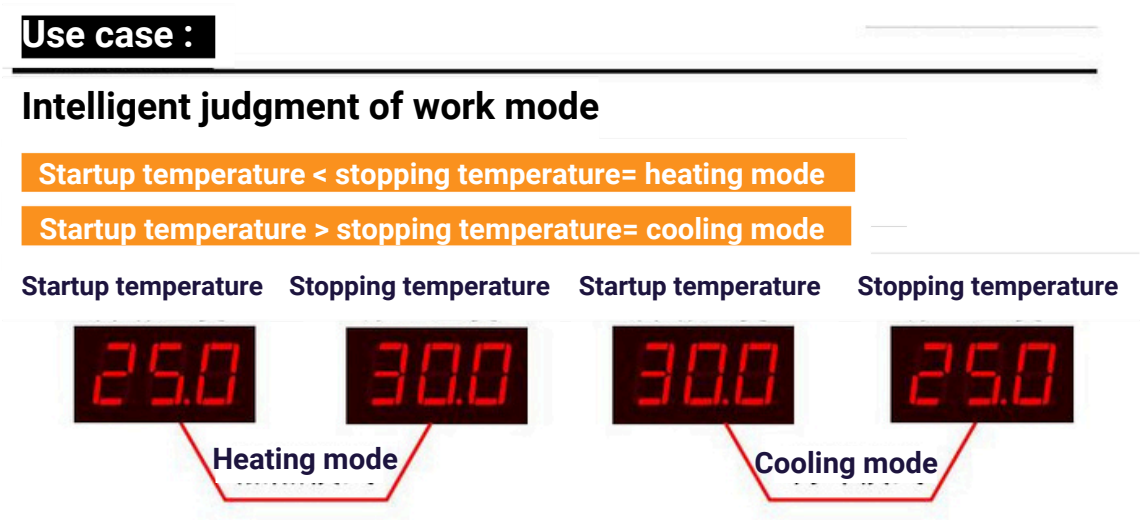
Press once the up button, display the startup temperature; long press about 3 seconds, startup temperature number will flash, you can use the up/down button to set the temperature you need.

- Set stopping temperature:

Press once the down button, display the stopping temperature; long press about 3 seconds, stopping temperature number will flash you can use the up/down button to set the temperature you need.

- How to recover the factory setting?

When power on, press the up and down button at the same time, after digital tube display "888" and turn to testing temperature, the factory can be recovered.



Heating mode setting method

Setting Point: Startup temperature< stopping temperature (The program judge the working mode is heating mode automatically)

Setting Method:

- Long press the up button until the startup temperature flashing, use up and down button to set the startup temperature.
- Long press the down button until the stopping temperature flashing, use up and down button to set the stopping temperature.

Use case:

Controlling water heater, stop heating when temperature is up to 65°C, start heating when temperature is down to 50°C, How to set?

- (Make sure the working mode is heating mode, startup temperature< stopping temperature.
- Long press the up button until the startup temperature flashing, use the up and down button to set the startup temperature is 50°C.
- Long press the up button until the stopping temperature flashing, use the up and down button to set the stopping temperature is 65°C, setting finish.

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Cooling Mode Setting Method

Setting point: Startup temperature> stopping temperature (The program judge the working mode is heating mode automatically)

Setting Method:

1. Long press the up button until the startup temperature flashing, use the up and down button to set the startup temperature.
2. Long press the down button until the stopping temperature flashing, use the up and down button to set the stopping temperature.

Use Case:

Controlling farm, stop ventilation when temperature is 26°C, start cooling again when temperature is up to 28°C, how to set?

- Make sure the working mode is heating mode, startup temperature>stopping temperature.
- Long press the up button until the startup temperature flashing, use the up and down button to set the startup temperature is 28°C.
- Long press the up button until the stopping temperature flashing, use the up and down button to set the stopping temperature is 26°C, setting finish!

Tip:

When set heating mode, if you set the temperature upside down carelessly, output indicate light doesn't bright, load doesn't work, after setting finish if appear above situation, you should check the setting temperature if upside down or not.