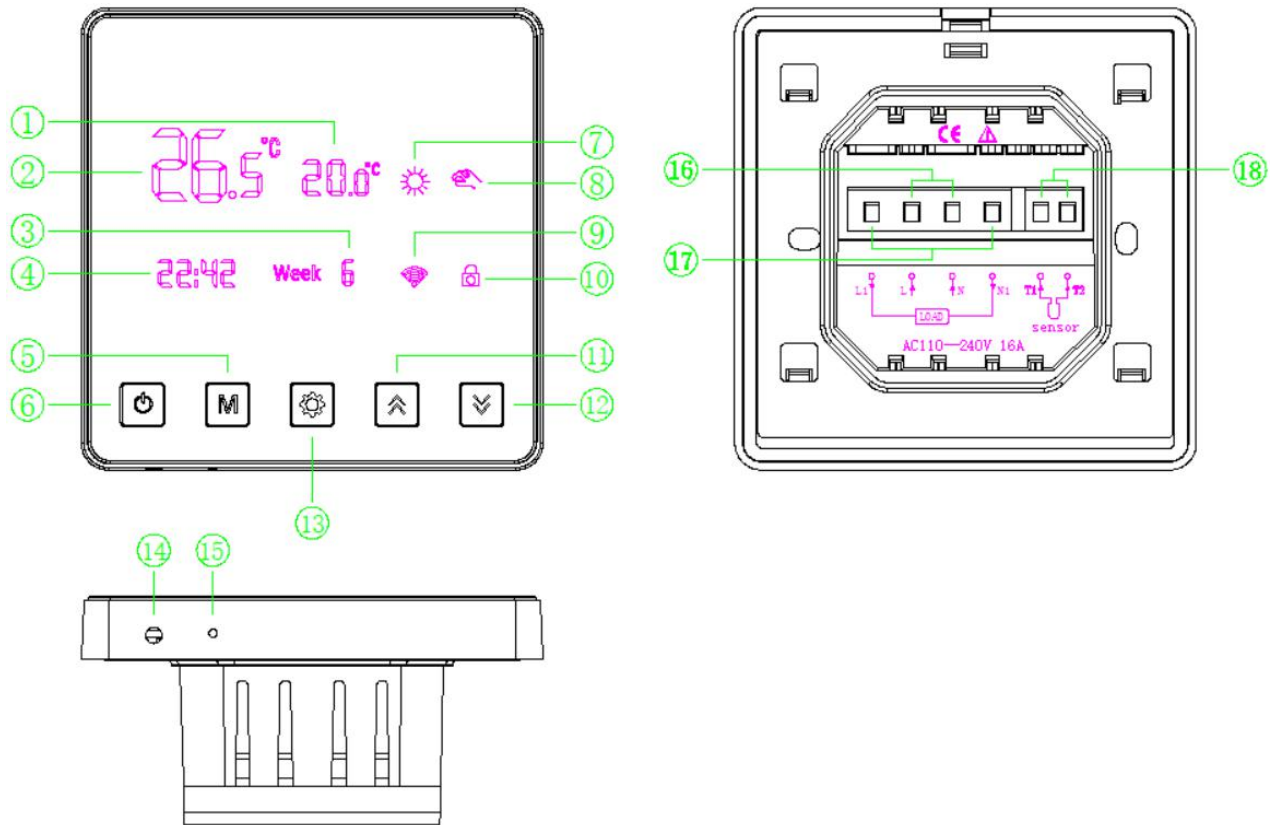


The operating manual of the ck-002 thermostat

The invention adopts the latest microcontroller control technology, and its application is electric heating equipment or driver control. The temperature controller will start and stop the controlled object (valve, floor heating, heating wall, electric heater, etc.) automatically according to the preset temperature.



number	Name	operating instructions
1	set temperature	Displays the current set temperature
2	indoor temperature	Displays the actual indoor temperature
3	Week	Show what day it is today
4	time	Dynamic Display Current Time
5	Mode button	Short press to switch to manual and automatic mode, automatic mode is 24 degrees
6	power button	Short press to switch on and OFF. The shutdown state shows the current indoor temperature and OFF. Long press the power supply to shut OFF completely
7	Heating logo	When this icon is displayed, it is in a heated state; if it is not displayed, it is not heated
8	mode identifier	Display this icon in manual mode, not displayed in automatic mode
9	Wifi logo	When this icon is displayed, it is a normal wifi connection; if it is not displayed, it is not connected

10	Child Lock	The icon is locked when it is displayed, but not displayed when it is not locked
11	Add button	Adjust the temperature and adjust in the setting mode
12	Minus buttons	Adjust temperature, adjust in the setting mode, minute, week, long press to switch children lock and unlock
13	Set the key	Press the setting button to enter the setting time, week, and long press the button to enter wifi pairing
14	Internal sensor	The sensor that detects indoor temperature
15	reset button	Press this button to shut down and restart the machine to restore the factory Settings
16	The power entry	Ac port
17	The power export	Load side exit interface
18	external sensors	External sensor interface

Pairing mode: long press the setting button when the device is on, the wifi icon flashes and stops flashing for about 60 seconds. The pairing is successful, the wifi icon on the server is always on, and the clock will update the network time.

Manual mode: when the indoor temperature is 3 degrees below the set temperature, turn on the heating immediately, and the heating icon is displayed. To set the temperature value (manually set the temperature value), stop heating and the heating icon is not displayed.

Automatic mode: when the indoor temperature is below 21 degrees, turn on the heating immediately, and the heating icon is displayed. When the temperature is set (from Monday to Sunday, 6 times per day), stop heating and the heating icon is not displayed. The default 24 degrees.

Alarm mode: when the local plate temperature is above the temperature limit, stop heating. The default is 55 degrees.

Backlight function: backlight, power-on highlights; Turn off low. When the backlight is turned off and turned off, press other keys/receive WIFI data and the backlight will be turned on for 10 seconds.

Heating function: when the indoor temperature is 3 degrees below the set temperature, start heating; when it is higher than the set temperature, stop heating.

Automatic upload function: upload all data to APP without any action for 10 seconds. So the APP updates the temperature every 10 seconds.

Features and functions:

1. After connecting with the WiFi router in your home, you can set the thermostat

- working mode (remote control system) on the mobile terminal through the APP. Set the temperature controller working mode through the touch screen;
2. The thermostat working mode can be set through the touch screen;
 3. Time display and temperature display;
 4. Automatic adjustment of room temperature;
 5. Memory function of power failure
 6. A white backlit square LCD screen.
 7. Multiple time modes: 5+2/6+1/7 days, 6 stages per day.
 8. Free choice of manual or automatic modes for different purposes.
 9. Keyboard locking function to prevent child abuse.

- **Technical parameters:**

1. Operating voltage: ac110-240v, 50/60 HZ
2. Maximum switch current: 16A
3. The internal sensor: NTCB = 3380 10 k @ 25 °C, the sensor measurement range: 0 to 40 °C, accuracy: + / 0.1 °C
4. External sensors: NTCB = 3380 = 10 k @ 25 °C length 3 meters, measuring range: 0-99 °C, accuracy: + / - 1 °C, set range: 5-90 °C (factory setting: overtemperature protection 50 °C)
5. A 3-meter external sensor cable is provided

Note:

1. Please read the instruction before use
2. The thermostat can only be used for the purposes specified by the company. Unauthorized modification and use of parts not sold or recommended by the company may cause the system to fail or even fail.
3. Avoid using this thermostat in the atmosphere containing carbon dioxide, hydrogen sulfide or other corrosive gases; otherwise, the relay will be electrocuted.
4. After the whole machine is installed, connect the relevant leads, and the power can be sent to run under the condition that there is no error.
5. Do not grill the sensor probe with a lighter.
6. Do not apply the maximum rated voltage and current on the relay output contact.

FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

To assure continued compliance, any changes or modifications not expressly approved by the party.

Responsible for compliance could void the user's authority to operate this equipment. (Example- use only shielded interface cables when connecting to computer or peripheral devices).

This equipment complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

FCC Radiation Exposure Statement:

The equipment complies with FCC Radiation exposure limits set forth for uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.