

Intelligent Temperature Controller Manual

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■ application

Intelligent thermostat is a temperature controller suitable for gas wall mounted boiler water underfloor heating systems. By comparing the ambient temperature with the set temperature, the working status of the wall mounted boiler in the underfloor heating system is controlled to achieve the goals of regulating the ambient temperature, comfort, and energy saving.

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■ Electrical specifications

Equipment power supply	3X1.5V alkaline AAA batteries
protection grade	IP20
temperature sensor	NTC
Temperature Accuracy	±0.5°C (adjustable)
Self consumption power	≤170uA
LOAD	3A(Resistive)

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■ Operating instructions

Power on/off: Press and hold the key to turn off the device and close all valves at the same time. Short press the key to turn on the device.

Mode conversion key: In the power on state, short press to switch the working mode

The LCD display shows for manual mode and for automatic mode.

√ ∆ Adjustment key: In the power on state, press the √ or ∆ key to adjust the set temperature and other parameters.

Child lock function: Press and hold the √ and ∆ keys for 5 seconds when the device is turned on, and the panel will enter the lock key state. If a lock icon appears on the right side of the display screen, it indicates that the lock key has been successfully pressed.

Unlock: Press and hold the √ and ∆ keys for 5 seconds to unlock the child lock on the panel

Temporary mode: Clicking ∆ and √ in the power on state can directly adjust the set temperature. If in automatic mode, it will switch to temporary mode.

The default temperature for home mode is 16°C

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■ Device network connection settings

When the temperature controller transmitter panel is turned on, long press the ∆ key for 5 seconds until the Wi-Fi icon flashes on the temperature controller display screen, and the temperature controller enters the connected state

Find the temperature controller product (Bluetooth+WiFi model) in the (small household appliances) device list. Under the designated distribution mode, click the confirmation button on the page, select the WiFi that can connect to the Internet in the device work area and enter the WiFi password. Click Next, click "Connect" according to the page prompts, find the prompt content as instructed, click "Prompt content", and then return to the graffiti APP to enter the distribution process

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■ Wiring diagram

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■ Equipment icon description

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■ Advanced Device Options Settings

Press and hold the key for 5 seconds while the device is turned off to enter advanced parameter settings. Press to switch, and press √ ∆ to adjust.

display	Parameter	default	Parameter function
1	Temperature compensation	0.0	Temperature compensation range-9.9 ~ 9.9
2	Temperature difference startup	1	When the starting range for temperature difference is 1-19
3	Equipment	ON	For control of the device anti-freeze function
4	Set the upper temperature limit value	35°C	Adjustable range1°C ~ 40°C
5	Key sound	ON	Turn on/off device button sound
6	Cooling/heating		Cooling/heating
7	Restore device factory settings		Set to restore factory settings default display ~ Press the M key to adjust the display ~ Press the confirm key to restore factory settings

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■ Programming mode operation

The network programming mode needs to be operated on the APP, and it works in a six time cycle every day (the standalone version does not have programming function)

option	icon	time	adjust time	Default value	Adjust temperature
1		08:00	▲	16°C	▲
2		08:00	▲	16°C	▲
3		11:30	▲	16°C	▲
4		12:30	▲	16°C	▲
5		17:00	▼	22°C	▼
6		22:00	▼	16°C	▼

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■ Installation steps

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■ Inspection steps

The intelligent touch screen thermostat is installed in a location where users can easily view the screen and adjust the temperature setting point. And position the thermostat in a location that represents the overall ambient temperature of the room. Avoid installing temperature controllers near cold and heat sources, such as ventilation openings, heaters, outdoors, or places exposed to sunlight.

phenomenon	processing method
Not turning on	1: Check if the battery is installed backwards 2: Check if the power button is valid
LCD display garbled characters	Is the installation of the rear shell deformed? It can be loosened and reinstalled.
Normal display without output	1. Check if the wiring between the main control board and the power board is damaged. 2. Check if the output is wired incorrectly
Temperature display error	Calibrate panel temperature display through the first option of advanced options

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