

BD0206 Heating LCD Thermostat Manual

Product Induction

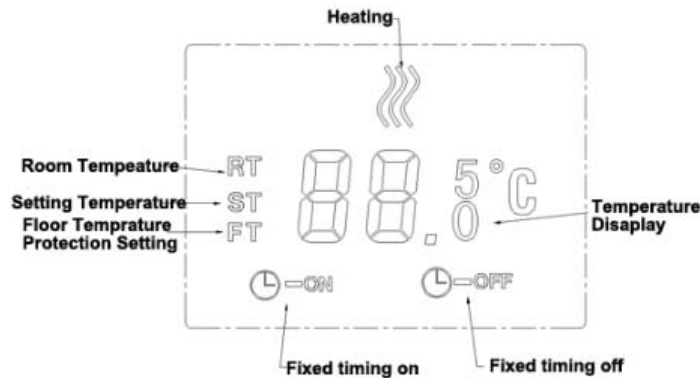


This digital thermostat with LCD display, through control internal NTC (Negative temperature coefficient) temperature sensor to detect room temperature and compare with user setting temperature, realize automatically control requirements of heating user. Easy to control, clear key and complete function. This thermostat is widely used to hotel, shopping central, villa, hospital etc. It can control: water heating electric ball valve (3 wire), 2 wire electric valve, electric heating valve, solenoid valve, large power load heater, electric heating film, electric carbon crystal heater etc.

Technical Data

Power Supply: AC24V or AC220V, 50/60HZ
Load Current:
3A (water heating); 16A (electric heating)
Accuracy: $\pm 1^{\circ}\text{C}$

Set-point Temperature Range: $10^{\circ}\text{C} - 40^{\circ}\text{C}$
Consumption: $< 1\text{W}$
Temperature Sensor: NTC
Size: $86*86*38\text{mm}$ (H*W*D)



1. Key Instruction

(1) "MENU" key

Power on state, press MENU key enter into floor heating setting \rightarrow fixed timing on/off

Power off state, press MENU key enter into fixed timing on/off setting. Long press MENU key for 7 seconds enter into room temperature error correction setting, then short press MENU key enter into room temperature difference value setting \rightarrow floor temperature difference value setting \rightarrow temperature control selection.

(2) "▲" increase; "▼" decrease: to adjust setting data value.

(3) "ON/OFF" key

2. Function Instruction

(1) Room temperature setting: power on state, press "▲" or "▼" to adjust, long press auto "▲" or "▼", the "ST" flashing.

(2) Floor temperature setting: power on state, press MENU enter into, "FT" flashing, press "▲" or "▼" to adjust, long press auto increase or decrease.

(3) Fixed timing turn off setting: power on state, press MENU enter into, "fixed timing turn off" sign flashing, press "▲" or "▼" to adjust time.

(4) Fixed timing turn on setting: power off state, press MENU enter into, "fixed timing turn on" sign flashing, press "▲" or "▼" to adjust time.

Advanced setting (press MENU key enter into)

(1) Room temperature error correction setting: power off state, long press MENU enter into, temperature value of the unit flashing, press "▲" or "▼" to adjust.

(2) Room temperature difference value setting: power off state, press MENU enter into, "RT" sign display and temperature flashing, press "▲" or "▼" to adjust.

(3) Floor temperature difference value setting: power off state, press MENU enter into, "FT" sign display and temperature flashing, press "▲" or "▼" to adjust.

(4) Temperature control selection: power off state, after press MENU enter into, only "RT", "FT" sign display, press "▲" or "▼" to process, if "RT" and "FT" display at the same time, it indicates room temperature and floor temperature control at the same time, if only display "RT", it indicates only room temperature control, if only display "FT", it indicates only floor temperature control.

(5) Anti-freezing function setting: power off state, long press MENU key enter into, then press MENU again, this time display "ON" or "OFF", press "▲" or "▼" to adjust. ON indicates open anti-freezing function, "OFF" indicates close anti-freezing function. After open anti-freezing function, when room temperature lower $5-7^{\circ}\text{C}$, open heating.

(6) Connect electricity if save the data before cut off electricity function or not: power off state, long press MENU enter into, then press MENU again, this time display "ON" or "OFF", press "▲" or "▼" to adjust. ON indicates before cut off electricity it is power on, connect electricity still is power on, before cut off electricity it is power off, connect electricity still is power off, OFF

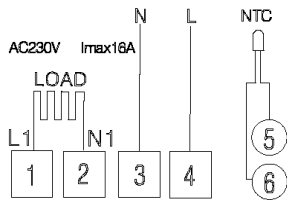
indicates before cut off electricity, no matter it is power on or off, after connect electricity both is power off. (at home suggest set **OF strongly**).

(7) Factory default: power off state, long press MENU enter into, press MENU again, when display “L8”, press “▼” adjust to “L0” all setting data as initial value by default. (initial value refer to 3.Data Instruction)

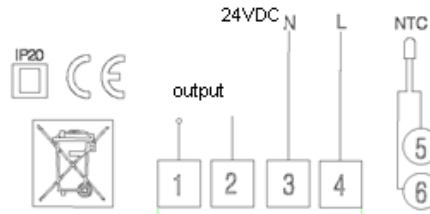
3.Data Specification

- (1) Temperature display range: 0~60°C, accuracy 0.5°C
- (2) Room temperature setting range: 5~50°C, initial value is 26°C
- (3) Floor temperature setting range: 10~50°C, initial value is 42°C
- (4) Room temperature error correction range: +/-5°C, initial value is 0
- (5) Room temperature difference value setting range: 1~5°C, initial value is 2°C
- (6) Floor temperature difference value setting range: 1~8°C, initial value is 2°C
- (7) Fixed timing on/off time setting range: 0-15 hours, initial value is 0
- (8) Anti-freezing function, initial OFF close
- (9) Memory function or not, initial OF close. **At home suggest close strongly.**

Special note: installation wire must use 1.5-2.5mm² hard wire



230V heating wiring diagram



24V Heating Wiring Diagram

Installation

Warning: please wiring right strictly according to the wiring diagram, do not make water, mud and other debris into the thermostat, otherwise it will cause thermostat damage!

<p>1, open main control panel, with 3.5mm slotted point screwdriver along the inclined plane until to card depths of 4mm, pry up slightly to open the card hook</p>	<p>2, connect back panel and power, wire as per wiring diagram, fasten back panel on cassette with M4 screw</p>	<p>3, connect winding displacement of back panel and upper panel</p>	<p>4, Hang up with 30° to 2 hooks, press on the 2 bottom corners, stuck on the upper shell, installation finished.</p>