

Intelligent Thermostat

(For Model HE004 HE005 HE006)

Operation Instruction



SHARNDY Bathroom Fittings CO., LTD

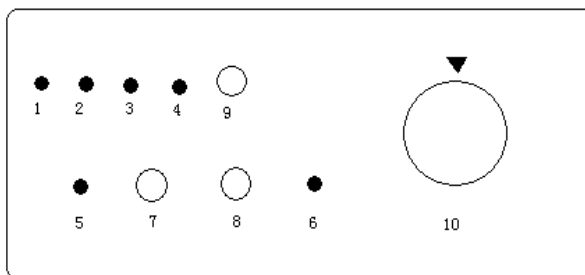
I SUMMARISE

This thermostat is an intelligent automatic temperature controller with imported single-chip at the core. This product is featured with high-quality, well-appointed controlling pattern, easy-to-operate and reliable-quality. It can be applied directly with an electric-heater. The models of the products are HE004, HE005 and HE006.

II Structural sketch map

This product is a type of electronic product. The structural sketch map and introductions are as follows:

- 1: green indicator light [power indication]
- 2: green indicator light [comfortable mode indication]
- 3: green indicator light [energy saving mode indication]
- 4: green indicator light [free of frost mode indication]
- 5: red indicator light [two hour-heating indication]
- 6: red indicator light [heating state indication]
- 7: [two hour-heating] button
- 8: [on or off] button
- 9: [working mode] button
- 10: [set of temperature] adjusting knob



III Principal Functions

1. The auto-temperature control in comfortable mode

According to the temperature set by the user, the temperature controller controls the process of electric heating automatically. It will keep the room at a comfortable temperature degree ranging from 7°C to 35°C.

2. The auto-temperature control in energy saving mode

According to the temperature set by the user, the temperature controller controls the process of electric heating automatically. The operations are the same as that in the comfortable mode, but the room temperature will always be 3.5°C lower than that in the comfortable mode. We suggest our user to run the temperature controller in this mode at night for energy saving purpose.

3. The auto-temperature control in free from frost mode

When in this mode, the room temperature stays at about 7°C. We suggest our users to run the temperature controller in this mode when you are away from house. It will keep the heater free from frost

4. 2 hours heating mode

When in this mode, the electric heater will keep on heating in two hours, during this period the room

temperature will keep on rising. The temperature controller will turn to auto-temperature control mode automatically after two hours. During the two hours, the heating process can be stopped at any time by users and turned into auto-temperature control with highest temperature at 35°C

5. external control mode

When in this mode, the temperature controller receive external signal and will be under control of external instructions.

IV Major technological index

1. The mode of temperature setting

According to the comfort of indoor, turn the knob of potentiometer correspond to the linear mark (one to nine) from low temperature to high

2. Load of the thermostat (electric-heating equipment) power source

230V±15%.AC.

3. Capacity

200W-2000 W

4. Conversion of working pattern

Touch the switch to cyclic change(one-two-three-four-one...).When pressing the sensitive switch, the step-take transforms one figure. The green indicator light displays the corresponding working state.

5. Power

230V±15%.AC.

6. The size of outward appearance

130×60×50mm

7. mounting means

Screwing

8. degree of protection

IP44

9. short circuit and circuit break protection

The temperature controller shuts off automatically when there is short circuit or circuit break

10. temperature limit protection

The temperature controller shuts off automatically when the environmental temperature gets above 35°C

11. The periodic auto-action times

100000 times

12. PTI value of insulating material

PTI > 700V

13. action and reposition

Action: style 2

reposition: automatically

Operation

tolerance

Working temperature range 7°C-35°C

±2K

Disconnection or turning off

±2K

Other temperature

-3K~5K

2 hours heating

±2K

14. Pollution control degree: clean

V Installation and connection

1. Connect the two brown output line of temperature controller to the
2. Power supply terminal of the electric heater.
3. Insert the temperature controller in the install position of electric heater and screw it tight.
4. Connect the two input line of temperature controller to the 220V electric socket. Connect the brown line to

the leg L, and blue line to zero line N.

5. Connect the black input line to the external control signal in the external control mode.
6. The inner connecting wire should only be removed by manufacturer or its designated maintenance point.

VI Direction for use

First of all, press power switch (key 8), when the green indicator lights on, the temperature controller has run into operation.

1. comfortable mode

switch the working mode key to comfortable mode, and turn the temperature setting knob to level 9(the highest point), then the red indicator lights on, the electric heater begin to heating and the room temperature begin to rise. When the room temperature reached a comfortable degree, then turn the temperature setting knob reversely, until the red indicator shut off, then hold on the knob in this place, and the room will keep at a comfortable temperature degree.

2. energy saving mode

Switch the working mode key to energy saving mode, the room temperature will always be 3.5°C lower than that in comfortable mode.

3. free of frost mode

Switch the working mode key to free of frost mode, the room temperature will stay at 7°C.

4. 2 hours heating

Press 2 hours heating key, the indicator lights on and the electric heater will keep on heating in 2 hours. when the 2 hours heating finished, the electric heater will switch to auto-temperature control mode automatically. During the two hours, the heating process can be stopped at any time when pressing the 2 hours heating key and turned into the auto-temperature control mode.

5. external control mode

The temperature controller will be under control of exterior signal when in external control mode.

6. time for warm up

It will take the temperature controller about 8 minutes to warm up; the room temperature will rise gradually during this period until it reached an idea temperature degree.

VII warranty

We follow strict quality checking standard, our products are guaranteed for one year, if you find any quality problem, we're prepared to accept return or change within a year.

VIII Notice

1. Controller should not be connected under power socket.
2. A disconnecting gear should be attached between the fixed equipment and fixed circuit. And it must be an all-pole one of excessive voltage style III.