

# HT09 Heating Thermostat with Weekly Programmable

## General

- HT09 Heating Thermostat with weekly programming adopts the latest single-chip computer control technology. It has the high reliability and powerful anti-jamming. The application of electric heating of the electric heating equipment and Water heating system of electric heating re actuator control.
- The clock continues when power fail and it won't affect the period of time settings.
- The selection for manual control or automatic periods of time control.
- Setting daily 3 periods of time and the setting temperature.
- Kinds of periods of time modes. 5+2 / 6+1 / 7days
- Easy operation and utility, nice looking.
- Mini size junction box and suitable for the entire world.
- Flame retardant and safe and easy-cleaning.
- keypad lock function to prevent the misuse children
- Extra sensor: 3 meters (Optional)



## Operation Guide

- Press you can turn on or turn off the power.
- Press you can choose the user manual mode or automatic mode .
- Press or to adjust the setting temperature value and other setting item.
- Keep pressing for 5 seconds, it will enter into the current time adjustment. Choose the week / hour / minute to be modified, press or to modify the current item, after set minute if you press then exit the clock setting.
- Keep pressing the key for 5 seconds, it will enter into the period of time setting mode. Press to choose the one need to be modified; it will start the time and setting temperature. Press or to modify the value.
- Set the temperature and turns the clock display, temperature measurement read directly.
- At the same time key for 2 seconds, the controller keypad is locked. LCD will show ---, In the locked status, press the key for 2 seconds, keypad will be unlock. LCD will show temperature value.

## Advance function setting

- How into advance function setting: switch off the thermostat use Press , Display will show "OFF". press thermostat will turn on. It will show "byc", Press Key , it will into the advanced function setting.
- The screen will show AdJ and into temperature calibration program, Setting rang:-5.0->+5.0°C adjust or to modify, after 1 SEC. The display will show temperature value with modified. Default setting value: -2.5°C
- Press the key to select the period-time mode: The main display shows Pr the week area will be 1 2 3 4 5 the number will gleam when the same setting. Press or to choose the mode 5+2 / 6+1 / 7days.
- Press the key into Antifreeze feature set: LtP, You can use or to choose: ON: Enable OFF: Disable
- Press the key to select Sensor or temperature control mode, You can use or to choose: IN (internal control, room sensor) / OUT (external control, floor sensor) / ALL (double temperature double control, the internal room temperature sensor, external sensor overheating protecting, default setting value: IN)
- Press to Set the value of external temperature sensor limit, display: ToP ( setting range: 40 to 80 °C )
- Press to Set the value of internal sensor hysteresis, display: dt0 ( setting rang:0.5 to 4°C) (default setting:1°C )
- Press to Set the value of External sensor hysteresis, display: dt1 ( setting rang:0.5 to 5°C) (default setting:3°C )
- Press to Set the value of backlighting status, display: bL ( on: always on off: auto switch off after 5 sec. default setting: off )
- Press to set the system run status at re-power, display: Sat ( on:the same as previous status, off: off status at every time, default setting: off ).
- Press to Restore factory settings, display :deF, after finished, it will back to normal working status automatic.

## Technical parameters

- Power Supply: 230VAC  $\pm 10\%$  50/60 Hz ( 24VAC Optional )
- The maximum switch power is 16A 3600W / 30A 6600W.
- Internal sensor setting range: 5 - 35°C (programmable) (factory setting: 25°C)
- Internal sensor measurement range: 0 - 40°C
- External sensor measurement range: 0 - 90°C (factory setting: 50°C)
- Display Type: touch LCD screen, display area size: 65 x 59 mm
- Inside Sensor: NTC B=3380 10k @25degrees Celsius
- Extra Sensor: Length=3M NTC B=3380 10k @25degrees Celsius(Optional)
- Setting Unit: 0.5°C / step
- Indication Accuracy: 0.1°C
- Weight: 175 g/piece

**The output of thermostat:** 1. the output of power supply. 2. The relay contact output.

## The installation way:

- The thermostat should be set: about 1.4 meter height away from floor, and setting on the wall which can stand for the temperature in the room or outside. It should avoid the sun shining directly and avoid the heat appliance.
- The thermostat has three parts: the bottom skin, the face skin and the small box. You can open the thermostat with the screwdriver. According to the Wiring Diagram and connect the terminal and the wires of the small box. Lead to the flat able from square hole after fitting with bottom skin, then setting on the standard bottom box in the wall with M4 bolt.
- Connect the flat cable plug with the socket of face skin, and buckle the face skin after check over, and you can hear the sound of "CA", it means setting successfully.
- No setting and remove when it with electricity.

## Warranty service

The quality of the product warranty period of 18 months from the date of product sales.

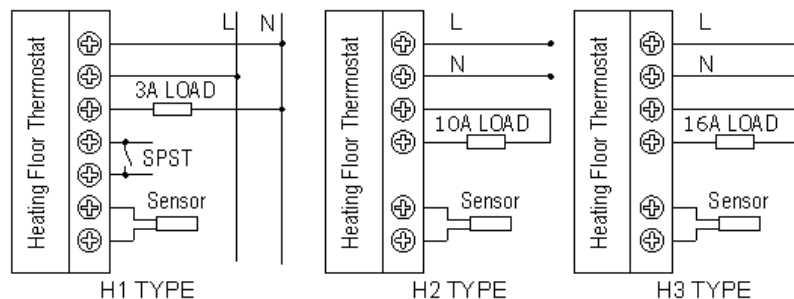
Note: LCD scratched, broken or cause disassembly improper cable shell, backplane, power board is damaged and so not covered under warranty.

## After-sales service

Where our products can be required to enjoy the life-long after-sales service, but more than warranty or product quality problems caused by the after-sales service, the Company will, as appropriate, charge a fixed fee.

**Packing accessories** User manual and two screw with 4mm diameter length of 25mm

## Wiring Diagram:



**Dimensions: unit: mm**

