

HY08 series WiFi Touch Screen Heating Thermostat User

Manual

Many thanks for your selection of our products and services, and also for your trust

Android also can search TUYA App ” at Google Play, iPhone also can search “heating smart ” at App Store

Turn on thermostat, long press “SET” and “OK” key together to enter to Wifi repairing mode to pair thermostat and cellphone
App advanced options password is 123456

and support to us.

Product Specifications

- ☆ Power: 230Vac 50/60HZ
- ☆ Display accuracy: 0.5°C
- ☆ Probe sensor: NTC(10k)1%
- ☆ Contact capacity: 5A/250V(WW);16A/250V(WE)
- ☆ Working environment temperature: 0~90°C
- ☆ Range of temperature adjustment: 5~35°C
- ☆ Range of temperature display: 0~40°C
- ☆ Insulating condition: Normal environment
- ☆ Running program: Set per 1 week as a cycle
- ☆ Output: Switch relay
- ☆ Installation: Wall mounted or on battery seat
- ☆ Size(mm): 86*86*27

Displays & Buttons Fig.1



Operation Key

NO	symbols	represent
A		Turn ON/OFF:Short press to turn on/ turn off
B		1 Short press SET to switch automatic mode and manual mode

		2 Turn on thermostat, long press SET for 3-5 seconds to enter into programmable setting 3. Turn off thermostat, long press SET for 3-5 seconds to enter into advanced setting
C		1 Confirm key: use it with SET key 2 Only short press it to set time 3 Turn on thermostat, long press it for 3-5 seconds to holiday mode setting
B		1 Decrease key 2 Long press to lock /unlock
D		1 Increase key : 2 Long press to inquire external sensor temperature

Operation Instruction

Mode	Description
Automatic Mode	Short press SET, to switch automatic mode or manual mode Under unlock state, set the temperature by ▲, ▼. Getting actual temperature via NTC sensor of thermostat, by comparing with actual temperature and setting temperature, when actual temperature lower than setting temperature, it will close heating contact and open cooling contact (🔥 display), when actual temperature is higher than setting temperature, it will close cooling contact and open heating contact (❄️ disappear).
Holiday mode	Long press OK to access setting window, and choose 🏠 icon (it will flashing when choose). Press OK, enter into holiday mode setting, and change “OFF” to “ON” by ▲ or ▼. Press OK to confirm working as holiday mode. Press OK to set the days of holiday mode by ▲ or ▼. Set from 1 to 30 days (countdown from holiday beginning, after holiday ending will return to work automatic mode), for example, set as 15 days. After holiday ending will return to work automatic mode), for example, set as 15 days. After press OK to setting temperature window, press ▲ or ▼ to adjust setting temperature, press OK again to confirm to work.
Temporary manual mode	Under automatic mode and unlock state, press ▲, ▼ to set and adjust temperature. It will access temporary manual mode, you can set required temperature. If it return to automatic mode or manual mode, short press SET to switch. Or work to next period, it will return to automatic mode automatically

Time Setting

Short press OK, choose the setting data: Minute, hour and week, data chose flashing	Minutes flashing, set the data by ▲, ▼. Press OK to confirm and enter into hour setting
Hours flashing, set the data by ▲, ▼	Press OK to confirm and enter into week setting, week flashing, set the data by ▲, ▼, press OK to confirm and window flash for 3 seconds then back to main window.
Children Lock	Long press ▼ for 5 seconds to lock screen, long press ▲ for 5 seconds to unlock

Advanced options

Under turn off state, long press SET for 3-5 seconds to access advanced setting. From A1 to AD, short press SET to choose the option, and adjust data by ▲, ▼, short press SET to switch next option. Remain about 5 seconds after finish setting will quit setting.

NO	Setting Options	Data Setting Function	Factory Default
A1	Measure Temperature Calibration	-9~+9°C	0.5°C Accuracy Calibration

A2	Temperature control return difference setting	0.5-5℃	1℃
A3	External sensors limit temperature control return difference	1-9℃	2℃
A4	Options of sensor control	N1:Built-in sensor (high temperature protection close) N2:External sensor (high temperature protection close) N3:Built-in sensor control temperature ,external sensor limit temperature (external sensor detect the temperature is higher than highest temperature of external sensor, thermostat will disconnect relay,turn off load)	NI
A5	Children lock setting	0:half lock 1:full lock	0
A6	Limit value of high temperature for external sensor	1. 35℃-70℃ 2. Under 35℃, screen display【--】, high temperature protection was cancelled	45℃
A7	Limit value of low temperature for external sensor(anti-freeze protection)	1. 1-10℃ 2. Exceed 10℃, screen display 【--】 , Low temperature protection was cancelled.	5℃
A8	Setting temperature lowest limit	1-10℃	5℃
A9	Setting temperature highest Limit	20-90℃	35℃
AA	Descaling function	0:Close descaling function 1:Open descaling function (valve is continuously closed over 100 hours, it will be opened for 3 minutes automatically) 0 close, 1 open	0:Close descaling function
AB	Power on memory function	0:Power on memory function 1:No power on memory function	0:Power on memory function
AC	Weekly programming selection	0: 5+2 1: 6+1 2: 7	0: 5+2
AD	Restore factory defaults	Display A o, press OK key whole show	

Return difference : limit valve of external sensor is 45℃ for factory default (A6),value of external sensor control return difference (A3) is 2. when temperature rise to 45℃,then relay stop working and will remind high temperature production alarm. If temperature decline to 43℃relay continue to work and heating alarm will be relieved. (it can be operated ,only when indoor temperature is lower than setting temperature)

Sensor fault display:please choose correct working way of built-in and external sensor, if choose wrongly or sensor fault (breakdown), “E1” or “E2” will be displayed on the screen. Thermostat will stop

heating until the fault is eliminated.

Programmable Mode Setting

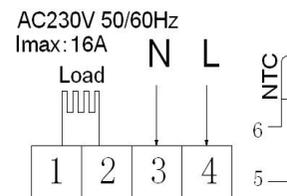
Programming 6 times period setting

At power on state, long press “SET” enter into first time period (hour setting), press “▲” and “▼” to adjust value, short press “SET” enter into minute setting, press “▲” and “▼” to adjust value, then short press “SET” enter into temperature setting, press “▲” and “▼” to adjust value, successively short press “SET” to set second time period, thirdly time period

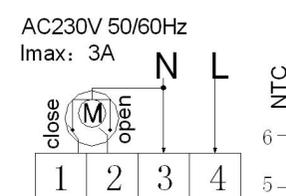
Period	Time	Default of temperature
1	06:00—08:00	20℃
2	08:00—11:30	15℃
3	11: 30—13:30	15℃
4	13:30—17:00	17℃
5	17:00—22:00	15℃
6	22:00—06: 00	15℃

Weekly programming setting: under power-off state, long press “SET” enter into advanced options, then short press “SET” switch to AC option can choose 5+2,6+1,7 modes, default mode is 5+2

Wiring Diagram

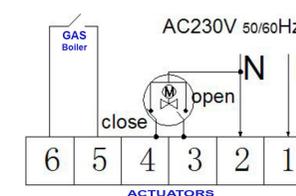


Electric heating wiring diagram



Water heating wiring diagram

(do not connect terminal "close 4" of electric valve)



ACTUATORS or Pumps

Cautions on Installation and Use

- To prevent the thermostat display from a high fluctuation, special treatment has been made to the program. Therefore, it is normal that the thermostat cannot immediately display the sudden change of temperature.
- The thermostat installed on 1.5m above the ground.
- For the thermostat installed, please take care not to install it to the wall corner, door / window side or behind the door or in such unheated area as exterior wall. Avoid hot / cold air duct, radiator, flue or thermal pipe.
- If you have any problem for the installed ,please contact our company hysen, we will make a demonstration for you
- Only the professional technicians are permitted to open the transmitting and receiving box of the thermostat for installation. When install the power supply, make sure that the power cable is well insulated.
- The thermostat is unrepairable product. The user shall not open the internal circuit board.
- Before installing the thermostat, make sure that the system is disconnected. The maximum voltage of the system shall meet the requirements specified in the Instruction Manual (Max. AC Voltage: 240V).

Warranty:

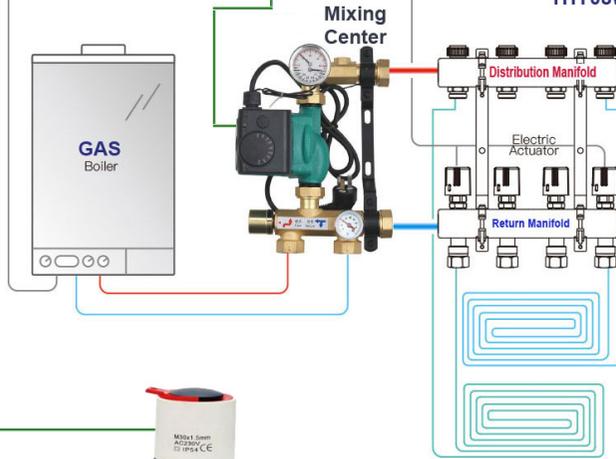
We offer the warranty of 18 months, from the sales day. The products of our company can have lifetime warranty ,if it is not the quality problems, or beyond the warranty period, we will charge for the after-sale service.



THY02TP-WIFI



THY08WW-WIFI



Actuator for room temperature regulation



1" & 3/4" Thermal Zone Valve



THY08BE-WIFI



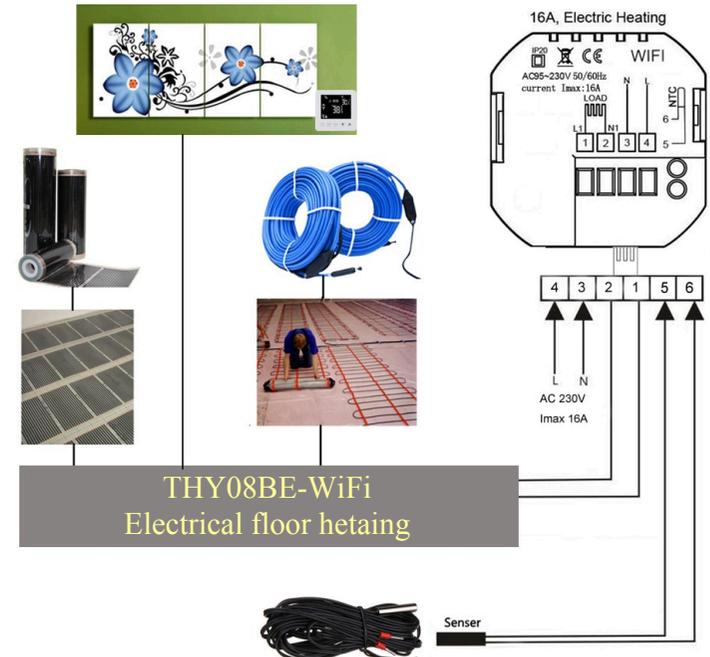
THY08WW-WiFi Wiring diagram



WiFi control: Please connect L and N to 220 voltage power, 5 and 6 to your gas boiler. 1 and 2 are for thermal actuators, please do not connect them to your gas boiler.

Please kindly note:

1. If your actuator is 2 wires mode and normally colse model, please connect 2(open) and 3(N), normally open model, please connect 1(colse) and 3(N).
2. If your actuator is 3 wires model, pls connect 1(colse), 2(open) and 3 (N) .
3. please read wiring diagram carefully before connecting. If you connect it wrongly, there will be a short circuit. Your gas boiler board will be damaged!!!



THY02TP-WiFi

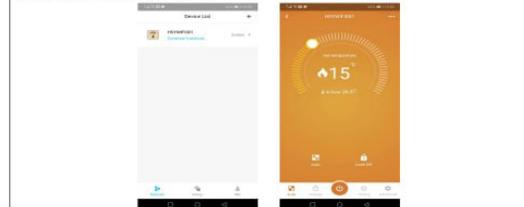


Application

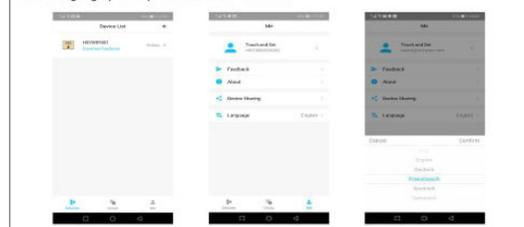


APP Operation Instructions

8. It will display in device list after finish WIFI pairing, please click current device enter into device control main interface.



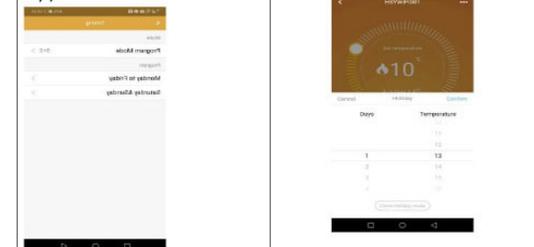
9. Select APP language, please click "Me" enter into Me interface, click "Language" to select language you required and click "confirm".



10. Enter into advanced setting at bottom right corner, please fill in password 123456 and enter into advanced setting, click [***] at top right corner enter into share device or delete device.



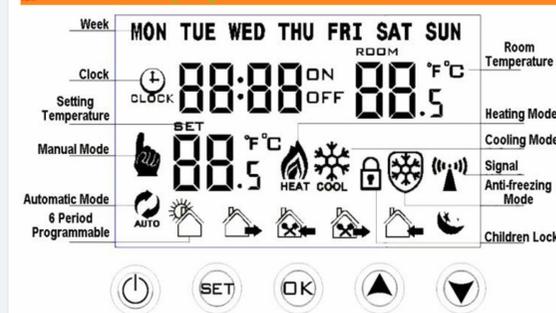
11. Click "Timing" at bottom, enter into weekly programmable setting (5+2,6+1,7 days)



Technical Data

Temperature Control Range	5 ~ 35°C
Temperature Control Precision	±1°C
Connection	230 V ~ 50/60Hz
Load (Max)	16A 3000W – Resistive load
Sensor	Internal sensor and external sensor (3meters)
Features	LCD display Heating/cooling function °C display
Weekly Programmable	7 days weekly programmable Electric floor heating
Application	Far infrared heater panel Electric Oil Heater
Socket Type	Socket type can be customized, different country different socket
Packing	(1pc thermostat/plastic bag+1pc user manual)/white inner box

Screen Display





THY08E-WiFi

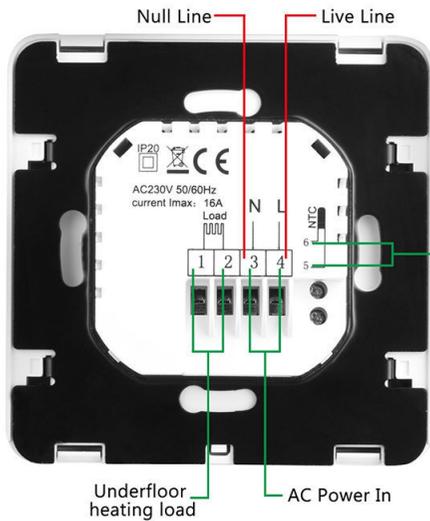


Features

1. Use for electric floor heating
2. 3 kinds of backlight for choice:white,blue,green
3. 2 appearance colors for choice:white,black
4. Load current: 16A (electric heating) . 3A(water heating)
5. Large LCD touch screen
6. Programmable: Weekly programmable
7. Size:86*86*30mm
8. Memory function:when power cut accidentally,the setting data is kepted
9. Low temperature protect function

Technical Data

Power Supply	AC220V 50/60Hz
Rated current	16A
Set Point Range	5-35°C
Ambient temperature	0°C~50°C
Size	86*86*30mm
Storage temperature	-10°C~60°C
Installation	Wall mounted
Accuracy	±0.5°C
Sensor	NTC
Protection Class	IP30
Housing:	ABS plastic
Application	use for electric floor heating
Weekly programmable	Available
Lock	Key lock function(children lock)
Type	Touch screen,digital with timer
Certificate	CE,RoHS



Sensor cable (optional)

Included



Programmable Setting	7 days
Advance setting	
Floor temperature	Setting temperature
Room Temperature	
Antifreeze mode	Comfortable temperature
Clock	Energy-saving temperature
Manual mode	Low battery
Mode choose	Lock
Automatic mode	Heating state
Holiday mode	24 hours

Turn on/off Setting OK Decrease Increase