

# HY609WIFI-WE/WW User Manual

Many thanks for your selection of our products and services, and also for your trust and support to us.

HY Series Thermostats used for underfloor Electric Heating System, Water Floor Heating System, Wall-Hung Boiler Heating System.

Search for "Smart RM" or "Smart Life" Download the Wifi App with the following icon



Turn on Power , Open Thermostat, long press

“   ” and “  ” Activate WIFI

distribution network icon  

## Functions

WW: Watwer Heater 3A

WE: Underfloor Heating 16A

WW-LD: Wall-Hung Boiler Heating and Water Heating

## Products Features

- ◇ Standard total Size is 86\*86\*11 mm, Used for Manifold, European box
- ◇
- ◇ Color:White, Black and others
- ◇ Installation: Wall mounted make it more simple
- ◇ Including built-in sensor and external sensor
- ◇ Accuracy:±0.5°C
- ◇ Children lock to prevent misoperation by children
- ◇ Data memory when power is off.
- ◇ Weekly Programming: 5+2, 6+1,7 days and also Support DIY programming.
- ◇ Holiday mode make you enjoy more comfortable
- ◇ The temperature of external sensor can be checked
- ◇ Temporary Manuel Mode: On the programmable mode, the thermostat will run to the next time period according to the temporarily set temperature, and then return to the programming mode.

## Products Specifications

- ◇ Power Supply: 90-240VAC 50/60Hz
- ◇ Sensor: NTC(10K)1%
- ◇ Contact capacity: 3A(WW);

16A(WE)

Range of temperature display:

- ◇ Range of Temperature Limited: 1~70°C
- ◇ Set Point Temperature: 5~35°C

### Display



- Programmer

### Description of icon



- ◇ Turn ON/OFF: Short press to turn on/turn off



- ◇ 1 Short press to switch automatic mode and manual mode
- 2 Turn on thermostat, long press for 3-5 seconds to enter into programmable setting
- 3. Turn off thermostat, long press for 3-5 seconds to enter into advanced A setting

- ◇ Accuracy: ±0.5°C
- ◇ External Sensor: Optional (NTC)
- ◇ Size: 86\*86\*11mm (Exposed wall)



Manual mode



Temporary manual mode



Holiday mode



On heating



Child lock



Open window



Temperature



Temperature Setting






External NTC sensor





- ◇ 1. Increase Key
- 2. long press to check temperature of external sensor (Only used for senior NTC N3)

On the programmer Mode or , enter to temporary manual mode













- ✧ Confirm key: short press it to set time Turn off Thermostat, Long press 3-5s enter set interface
- ✧ Turn on, Long press 3-5s enter holiday mode 
- ✧ On OFF, press  or  will change
- ✧ Decrease key
- ✧ Long press to lock /unlock

to ON, Short press  , choose days and temperature, after finished,





press  enter holiday mode

## Programmable




5+2(Factory default) 6+1, 7days(Same)6 times period setting for user choose. under power on state, Long press  for 3-5 seconds enter into programming mode setting, Then, short press  to choose: hour,minute, time period, and press  or  to adjust data, finished setting, about 10 seconds will automatic save and exist


					
Wake up	Outdoor	Back Home	Outdoor	Back Home	Sleep
6: 00   20°C	8: 00   15°C	11: 30   15°C	13:30   15°C	17:00   15°C	22:00   15°C

## 1、Advanced options A







Under turn off start, long press  3-5 for 3-5 seconds to access advanced A setting., Short press  to switch next option, Press  or  to adjust data. After finished, .Remain about 10 seconds after finish setting will quit setting.

NO	Setting Optional	Data Setting Function	Factory Default
A1	Measure Temperature Calibration	-9~+9°C	-1
A2	Temperature control	0.5~2.5°C	1°C

	return difference setting		
A3	Children lock setting	0:half lock 1: full lock	0
A4	Power with memory function	0:Power with memory function 1:Shutdown power after power off 2:Shutdown power after power on	0
A5	Backlight sleep brightness	0: 0% of brightness 1: 50% of brightness 2: 100% of brightness	2
A6	Weekly programming selection	0: 5+2 1: 6+1 2: 7	0
A7	Setting temperature lowest limit	1~10°C	5
A8	Setting temperature highest Limit	20~70°C	35
A9	Protection of low temperature	1.1~10°C, 2.Exceed 10°C, press  screen display <b>【--】</b> , Low temperature protection was canceled.	5
AA	Protection of high temperature	1.20~70°C 2.Exceed 20°C, press“  ”Screen Display <b>【--】</b> , High temperature protection was canceled	45
AB	Return different for high temperature protection	1~9°C	2
AC	Running temperature of open window function	1.10~20°C 2.Exceed 10°C , Press“  ”Screen display <b>【--】</b> , Open window function was canceled	--
AD	Running time of open window function	10~20 Min	10

AE	Reset	Screen display Ao,Long press  until whole display	
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## Advanced options B

Under turn off state, long press  for 3-5 seconds to access advanced B setting, short press    to switch next option, Press  or  to adjust data, after finished, Remain about 10 seconds after finish setting will quit setting.

NO	Setting Options	Data Setting Function	Factory Default
BN	Choose Sensor	N1: only inner sensor N2: only external sensor N3: both sensor	N1
BC	Descaling function	0: Close 1: Open	0
Bo	System	Can not change	

### Remark of High Temperature Protection:

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

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

## Wiring And Installation

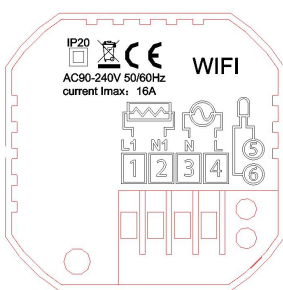
1. Read these instructions carefully. Failure to comply with these regulations may damage the product or cause dangerous situations.
2. Confirm the maximum load given in the manual and the product to ensure that the product is suitable for your application.
3. The installer must be a trained and experienced maintenance technician.
4. After the installation is complete, follow the instructions in these instructions.



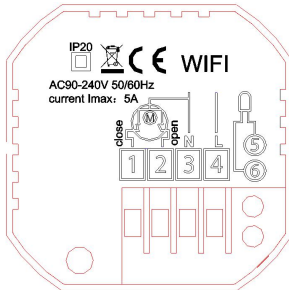
### CAUTION

Electrical shock or equipment Damage Hazard. or short equipment circuitry.  
Disconnect power supply before installation

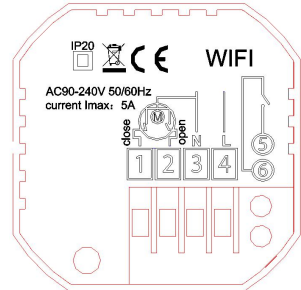
## Wiring



**WE:Electric Heating**



**WW:Water Heating**



**WW-LD : Wall- Hung Boiler Heating**

**NTC : Optional (WE/WW)**

注： This wiring diagram just for reference, please refer to the actual wiring diagram of the products specific wiring.

### Installation

