

HY06-RF-BW/WW/WE Thermostat User Manual

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

In the box you will find

Thermostat	1pc	Screws	2pc
User Guide	1pc	Floor Sensor(3m)	1pc(Optional)

About Your Thermostats

The HY06 Series range has been developed to control electric underfloor,water heating or water/gas boiler systems,all design have backlight function

Features

1. Standard total Size is 86*86mm
2. Display size is 64*64mm
3. Touch buttons to make simple operation
4. Color: white、black、champagne golden
5. The visible thickness above the wall is only 13mm
6. 86mm hidden box and about 60mm of box is suitable for Europe
7. Flat mounting ,it is easy to install
8. Inclusive inner sensor and external sensor
9. 0.5°C Accuracy keeps temperature within the level you set.
10. Children lock ,to prevent misoperation by children
11. Data memory when power is off.
12. 5+2 days programmable ,meanwhile support DIY programmable
13. Holiday mode, give your more choose in holiday
14. There is a query function for external sensor temperature

Product Specifications

Power: two AA* 1.5V alkaline batteries

Display accuracy: 0.5°C

Probe sensor: NTC(10k)1%

Contact capacity: 5A/230V

Working environment temperature: 0~50°C

Range of temperature adjustment: 5~35°C

Range of temperature display: 0~40°C

Output: Switch relay

Insulating condition: Normal environment

Running program: Set per 1 week as a cycle

Installation: Wall mounted or on battery seat

Size(mm): 86*86*23

BEFORE WIRING AND INSTALLING

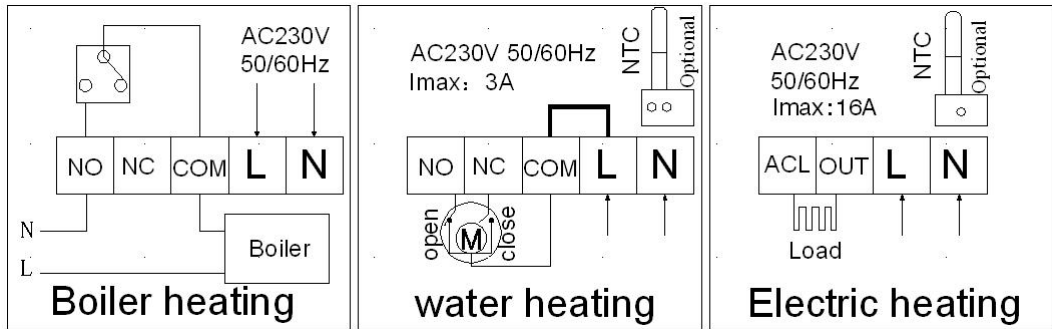
- 1. Read these instructions carefully. Failure to follow them could damage the product or cause a hazardous condition.
- 2. Check the ratings given in the instructions and on the product to make sure the produce is suitable for your application.
- 3. Installer must be a trained experienced service technician.
- 4. After installation is complete.check out produce operation as provided in these instructions



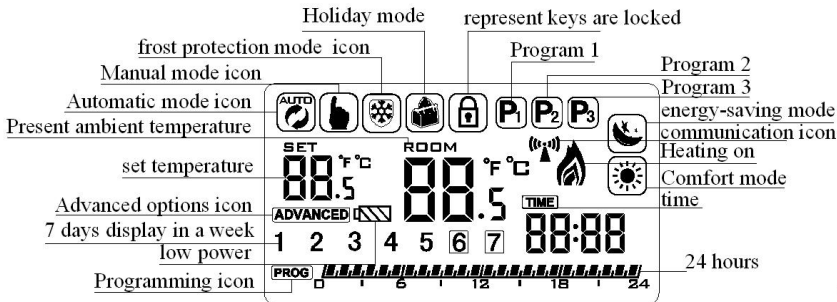
CAUTION

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











WIRING




Displays




Description of icon

-  Auto mode
-  Manual mode
-  Temporary manual mode
-  Holiday mode
-  On heating
-  Clock
-  Temperature for external sensor
-  Saving energy mode
-  Comfortable mode
-  Run programmable mode




- ◆ P1 Run DIY 7 days 6 sections program;
- ◆ P2 Run 7 days 2 sections program;
- ◆ P3 Run 5+2 days 4 section program;
- ◆ P1、P2、P3 can be choose on setting interface;

-  Press power key about 3~5S to lock/unlock



-  Advanced options

-  programmable mode

Operation Key

- In the status of power off,short press button to switch  and 
- In the status of power on, press button about 3S, to enter setting interface and choose icon,then press button to confirm
- Increasing key, clockwise
- Decreasing key, anticlockwise
-  power key : on the right side of bottom


Quick Operation

- Press  to power on/power off
- In power on state, press button to enter setting interface .you can rotate button to choose icon ,and press button to confirm.
- Setting time :  flashing ,then you can orderly set minute ,hour and week. Adjust range by rotating button ,press button to confirm and enter to next setting

Programmable

There are 3 kind of procedure (P1,P2 ,P3) for choose .Here below is default for P1 ,P2 and P3

P1 procedure is DIY setting

Rotate button to choose , and press button to enter setting interface.then you can orderly week,temperature and time. By rotate button to adjust range and press button to confirm and enter next setting

Time and temperature can't be adjusted for P2 ,P3 procedure

P1 manual programmable(default):

week	period	Default period	Default temperature
7 days per days	1	0:00-6:00	15℃
	2	6:00-9:00	21℃
	3	9:00—12:00	15℃
	4	12:00—14:00	21℃
	5	14:00—17:30	15℃
	6	17:30—23:59	21℃



P2setting ,default is 7 days programmable

week	period	Default period	Default temperature
7 days per week	1	6:00-22:00	21℃
	2	22:00-6:00	17℃


P3setting ,default is 5+2 days programmable

week	period	Default period	Default temperature
Working days	1	22:00—6:00	17℃
	2	6:00—8:00	21℃
	3	8: 00—16:00	17℃
	4	16:00—22:00	21℃
weekend	1	6:00-22:00	21℃
	2	22:00-6:00	17℃


Holiday mode

Rotate button to choose  ,press button to enter Holiday mode.then you orderly set days and temperature.Rotate button to adjust range ,and press button to confirm.when finish,press button to exit . Set temperature range is 5~15° C for holiday mode.In the interface of holiday mode ,it can be canceled by press 

Saving energy mode

Rotate button to choose  , press button to enter saving energy mode.then you can set the temperature .

Comfortable mode

Rotate button to choose  , press button to enter saving energy mode.then you can set the temperature

Query temperature


It will appear  if thermostat detect external sensor.then you can choose  by rotating button ,and press button to query floor temperature .

This function is suitable for electric /water floor heating

Setting IP code

In power off state ,press button to enter setting interface

- IP high Setting Rotate button to adjust IP high position (1 ~ F F), press button to IP low setting
- IP low setting Rotate button to adjust IP low position (1 ~ F F), press button to next interface,
- Write transceiver IP address .appear high and low IP position was adjusted Within 10 seconds after transceiver power on, press button to send IP address
- Appear “55” mean that matched successfully




 Communication instruction,be long bright display in normal communication and blinking display in abnormal communication

Transceiver tips

Transceiver LED display instruction:

- Power light (green light):it's bright when power on
- Signal light(orange light):it's long bright within 10s after power on (match IP),signal light off when it receive match,signal light is blinking within 10s when power off.
- Load light/fault light (red light):
 - A、 When no fault:light on when load output,light off when no load output
 - B、 When fault: light is blinking and indication when fault
- IP is fault(IP:FFFF),light blink 2 times (light on 0.25 seconds light off 0.25 seconds), spacing out the light for 2 seconds
- Light blink 3 times when it does not receive wireless signal for 1 hour (light on 0.25 seconds light off 0.25 seconds),spacing out the light for 2 seconds
- Light blink 4 times when built-out sensor is fault (light on 0.25 seconds light off 0.25 seconds), spacing out the light for 2 seconds

External sensor temperature Alarm for electric/ water floor heating

- ① Detected temperature by external sensor is above setting temperature of A5(Advanced options). then trigger high temperature protection. and  will flash,
- ② Detected temperature by external sensor is below setting temperature of A6(Advanced option). then trigger low temperature protection.,and appear , will auto open relay to heat, will appear 

Advanced options

Rotate button to choose **ADVANCED**, and press button to enter advanced options

Symbol	Setting item	Setting parameter	Default
A1	Measure temperature calibration	-9-+9℃	Accuracy is 0.5℃
A2	Open temperature different	0.5-5℃	0.5
A3	Children lock	0: half lock 1: full lock	0
A4	Choose for programmable	-, -: non programmable 01: programmable	01
A5	Limit value of high temperature for external sensor	-, -:cancel high temperature protection 35℃-70℃	-, -
A6	Limit value of low temperature for external sensor	-, - : cancel low temperature protection 5℃-10℃	5℃
A7	Set min temperature limit	1-10℃	5℃
A8	Set max temperature limit	20-70℃	35℃
A9	Descaling function	0: Closed 1: open (thermostat will auto run 3min if have not be used over 100 hours)	0:
AA	Reste	Display A o, press wind ENTER key whole show	