HY06RF-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.

Packing

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

About Your Thermostats

HY06RF 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 60mm European box
7．Flat mounting,it is easy to install
8．Including built-in 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 and it can be DIY programmable;2 preset programmable modes for your choice,it is most convenient for your use.
13．Holiday mode make you enjoy more comfortable temperature in holiday
14．The temperature of external sensor can be checked

Product Specifications

Power: two AA* 1.5V alkaline batteries
Display accuracy：0.5℃
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.
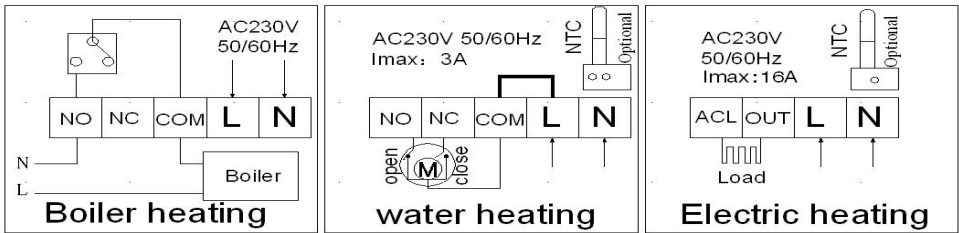4．After installation is complete.check out produce operation as provided in these instructions
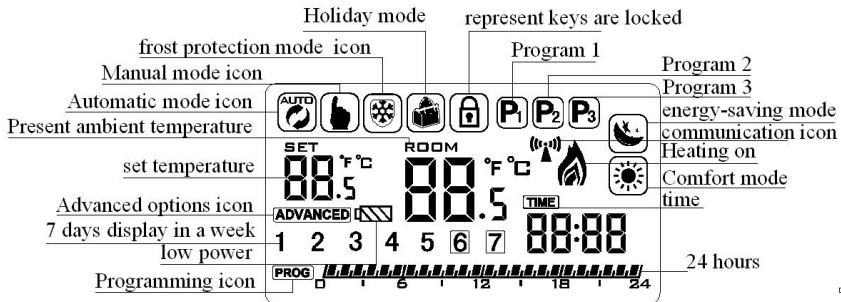
⚠**CAUTION**

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

Wiring

| Boiler heating | water heating | Electric heating |

Displays

- Holiday mode
- represent keys are locked
- frost protection mode icon
- Program 1
- Manual mode icon
- Program 2
- Automatic mode icon
- Program 3
- Present ambient temperature
- energy-saving mode
- communication icon
- Heating on
- set temperature
- Comfort mode
- Advanced options icon
- time
- 7 days display in a week
- low power
- 24 hours
- Programming icon

Description of icon

1. Auto mode;run preset program
2. MANUAL   Manual mode
3. Temporary manual mode
4. Holiday mode
5. Heating,disappears to stop heating
6. TIME   Clock
7. NTC   Temperature for external sensor
8. Energy-saving mode
9. Comfortable mode

10. P1 P2 P3   Run programmable mode
    P1:Run DIY 7 days 6 periods programmable
    P2:Run preset 7 days 2 periods program
    P3:Run preset 5+2 days 4 periods program
    P1,P2,P3 can be chosen on setting interface
11. Press power key about 3~5S to lock/unlock
12. ADVANCED   Advanced options
13. [programmable bar icon]
    programmable mode

Operation key

- Power off state,short press rotary button to switch and
- Power on state,long press button for 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
- Power on state,long press rotary button for 3 seconds to enter setting interface.you can rotate button to choose icon,press rotary button to enter into it and set value,and press rotary button to confirm.
- Setting time: TIME   flashing ,then you can orderly set minute,hour and week.,adjust value by rotating button,press button to confirm and enter to next setting

Programmable

HY06RF wireless thermostat has 3 kinds of programmable modes (P1,P2 ,P3) for choice.Here below is default for P1 ,P2 and P3

P1 programmable mode is DIY setting

Long press rotary button for 3s,rotate button to choose ⓅⅠ, 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 programmable mode.

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℃

P2 setting ,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℃

P3 setting ,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

Long press rotary button for 3s,rotate button to choose"🖐HOLIDAY",press button to enter into 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℃(default temperature is 10℃)for holiday mode.In the interface of holiday mode ,it can be canceled by press ⓞ

Evening-saving mode

Long press rotary button for 3s,rotate button to choose🌙,press button to enter into evening-saving mode,rotate button to set the temperature(default temperature 17℃),press rotary button to confirm and return to last interface,it will skip to next setting icon ❄ automatically.

Comfortable mode

Rotate button to choose☀,press button to enter into comfortable mode.then you can set the temperature(default temperature 17℃),press rotary button to confirm and return to last interface,it will skip to next setting icon TIME automatically.

Query temperature

It will appear 🌡NTC when thermostat detects external sensor.then you can choose 🌡NTC by rotating button ,and press button to query floor temperature(temperature of receiver's external sensor) .

This function is only suitable for electric /water floor heating,boiler heating no this function.

Setting IP code

Power off state,long press button for 3s to enter into setting interface

■ IP high Setting:rotate button to adjust IP high address (1 ~ F F),press button to IP low address setting
■ IP low setting:rotate button to adjust IP low address (1 ~ F F),press button to next interface
■ Write transceiver IP address:show adjusted IP high address and IP low address,within 10 seconds after transceiver power on,press button to send IP address
■ Display "55" means 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❄,it will auto open relay to heat and appears 🔥

Advanced options

Long press rotary button for 3s to enter into advanced options setting,rotate button to choose ADVANCED ,and press button to choose options value(from A1 to AA),rotate button to set value,press button to enter into next option setting,after finished,no any operation for 5s to exit.

Symbol	Setting item	Setting parameter	Default
A1	Measuring temperature calibration	-9-+9℃	Accuracy is 0.5°C
A2	Temperature control return difference setting	0.5-5℃	0.5
A3	Children lock	0:half lock 1:full lock	0
A4	Programmable choice	--:non programmable 01:programmable	01
A5	Limit value of high temperature for external sensor	--:cancel high temperature protection 35°C-70℃	--
A6	Limit value of low temperature for external sensor	--:cancel low temperature protection 5℃-10℃	5℃
A7	Lowest temperature limit setting	1-10℃	5℃
A8	Highest temperature limit setting	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	Restore factory defaults	Display A o, press rotary button, whole show	