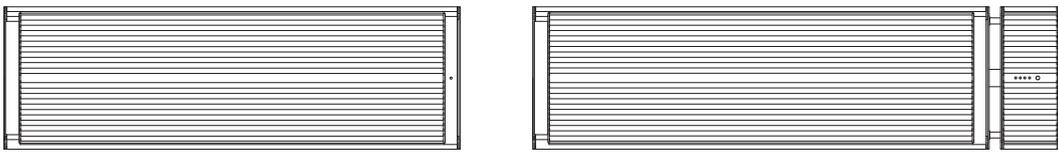


HEATION

HEATBAR



OWNER'S MANUAL

READ AND SAVE THESE INSTRUCTIONS

- Read all instructions carefully before setting up and operating this unit.
- This manual is designed to provide you with important information needed to setup, operate, maintain for your radiant heaters.
- Failure to follow these instructions may damage and/or impair its operation and void the warranty.



In cooperation with



1. FOREWORD

Thank you for your trust and support in choosing the Infrared Heater, please read the instructions carefully before operating product.

2. INFRARED HEATER THEORY

Far-infrared radiant heaters are produced by unique design and manufacturing technique.

Using a specially coated aluminum panel, the heat generated by the heating element is transferred radiantly to people and objects with maximum efficiency.

The heat radiated from the panel surface, is absorbed by people, walls, floors, and furniture etc, like sunshine.

Infrared heating will not lead to air movement, making the air cleaner, as dust and particles are not disturbed and circulated. Traditional convection heating relies on air movement to distribute the heat.

The air remains less humid, and gives you a sense of fresh, comfortable, warmth-similar to the warmth felt from the sun.

3. PERFORMANCE FEATURES

Comfortable:

No wind, light or odor will be caused during the running of this product, so the indoor air is clean without floating dust.

Energy-saving:

High heat generation and excellent heat distribution, use less energy than traditional heating methods.

Reliable:

The indoor temperature can be adjusted freely, free of the limitation of heating season.

Physical therapy:

The heat radiant can change body microcirculation, cell organization under skin producing resonance, clearing the barrier of microcirculation, adjusting and balancing nervous system, promoting metabolism, increasing body physical power. It is very good for people's health.

4. WORKING CONDITION

Ambient temperature: $-30^{\circ}\text{C} \sim +30^{\circ}\text{C}$

Rated Voltage: 220-240V~

Rated frequency: 50Hz/60Hz

Relative humidity: less than 95%

5. INSTALLATION REQUIREMENTS

1. Qualified installer:

The installation must be carried out by trained personnel.

2. Installation conditions:

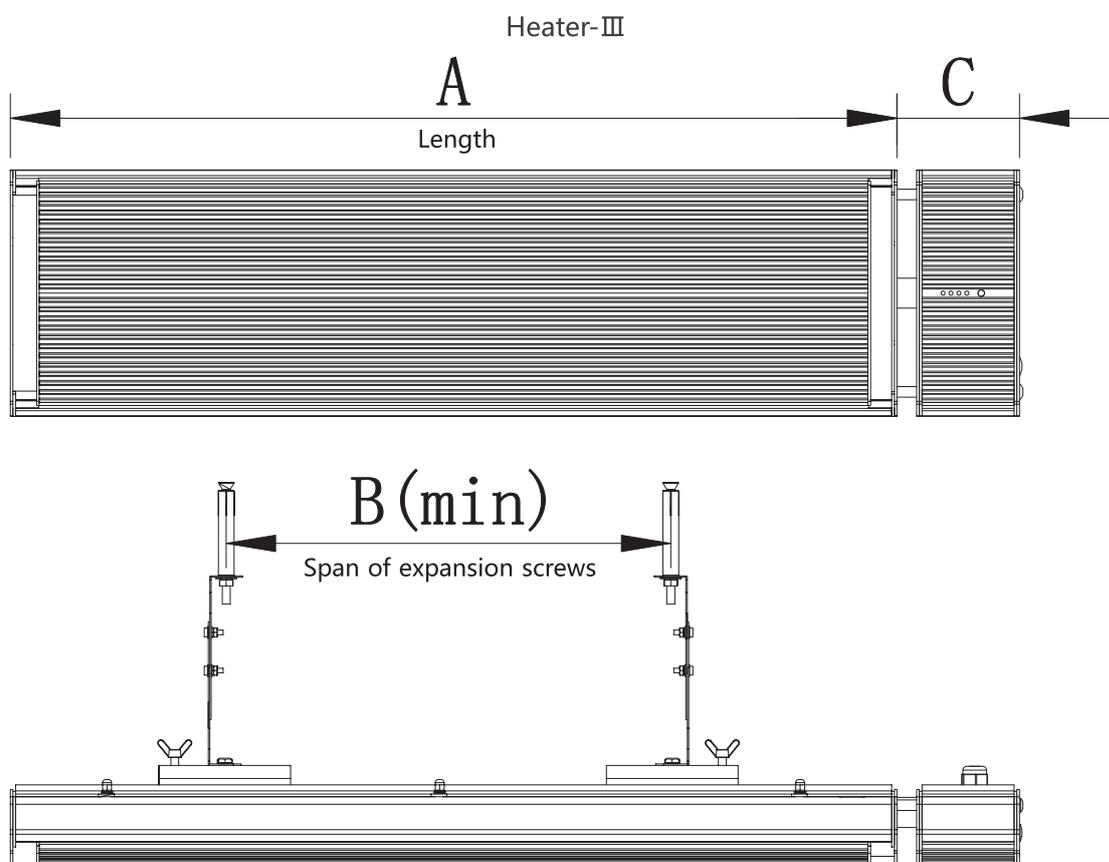
- (1) Supply voltage fluctuation range should be within $\pm 10\%$, If not, please revise before installation.
- (2) If there is a serious security risk in users' electricity environment, the installation should be refused, until eliminate the security risks.
- (3) Electricity lines should be equipped with earth leakage protection devices and master switch.
- (4) Ground wire should be connected to the grounding device on the building, if not, please consult to professional installer, please do not put ground wire to gas pipe, water pipe, lightning rod or telephone grounding wire.

Electrical Parameters

Heater-III

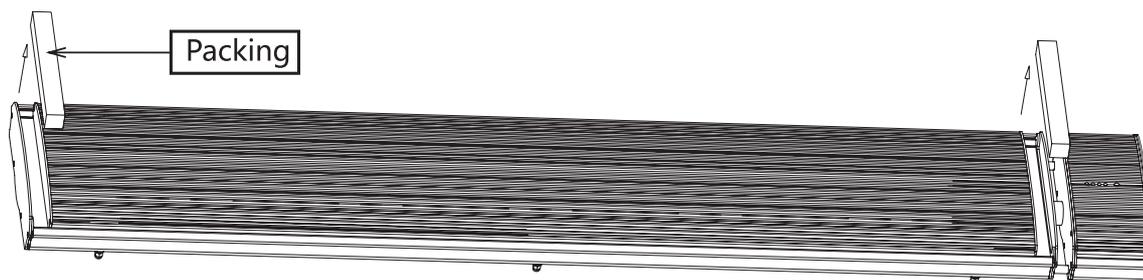
Model No.	Power(W)	Rated Current(A)	Voltage(V)	Cable length(mm)
JH-NR10-13A/B	1000	4.3	220-240	2000
JH-NR18-13A/B	1800	7.8	220-240	2000
JH-NR24-13A/B	2400	10.4	220-240	2000

6. INSTALLATION INSTRUCTION

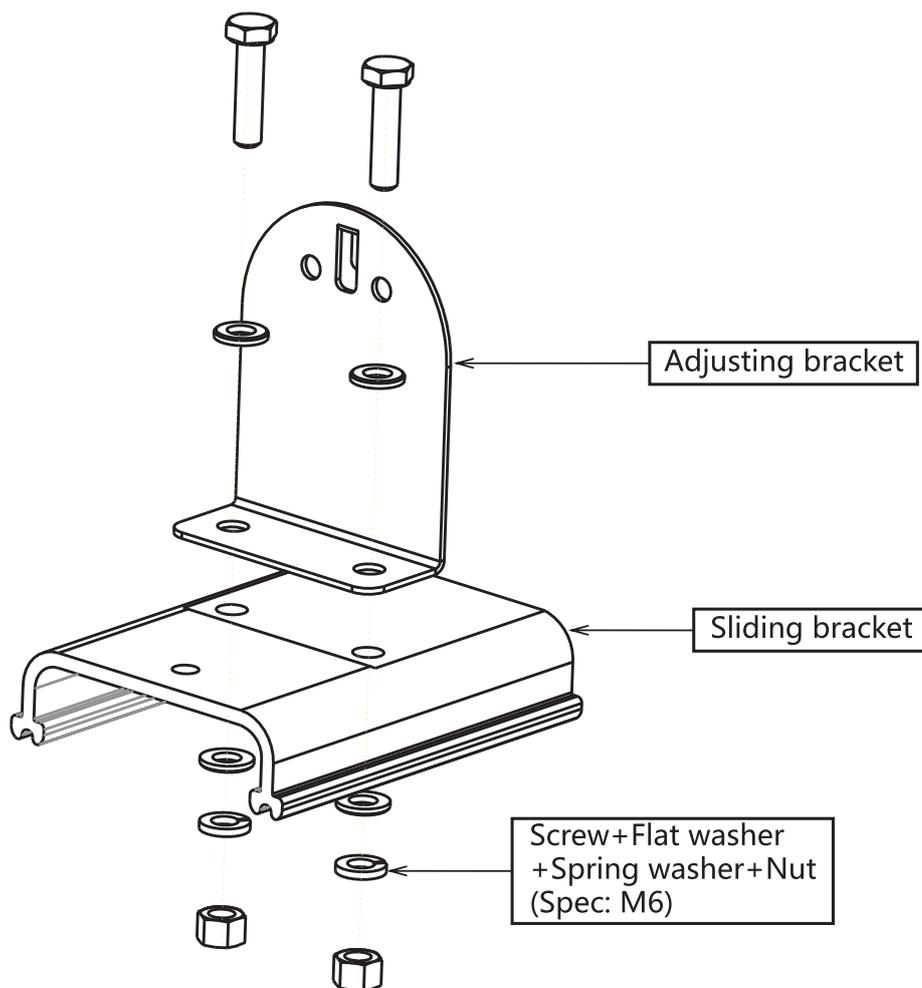


Model No.	Dimension A	Dimension B	Dimension C
JH-NR10-13A/B	600mm	200mm	95mm
JH-NR18-13A/B	1000mm	700mm	95mm
JH-NR24-13A/B	1500mm	1200mm	95mm

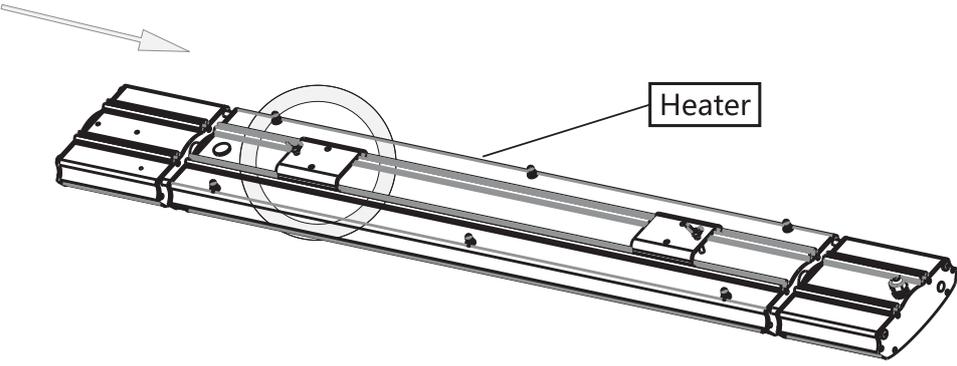
Step 1 : Remove packing of both ends of heater.



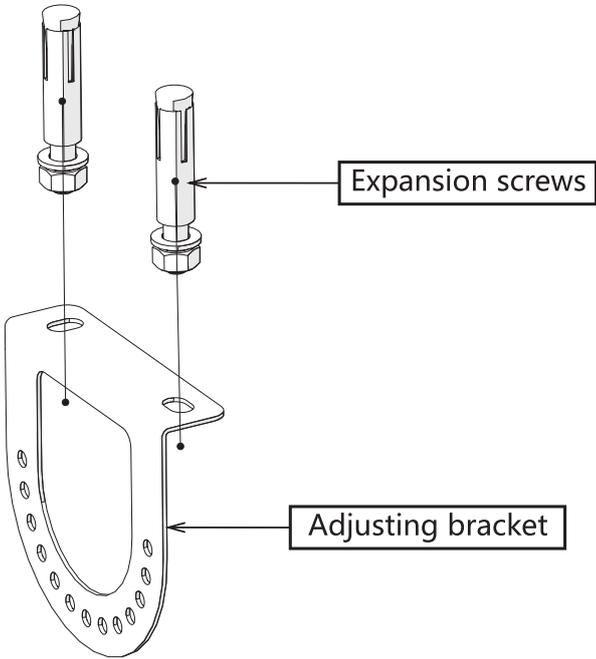
Step 2 : Connect adjusting bracket to sliding bracket.



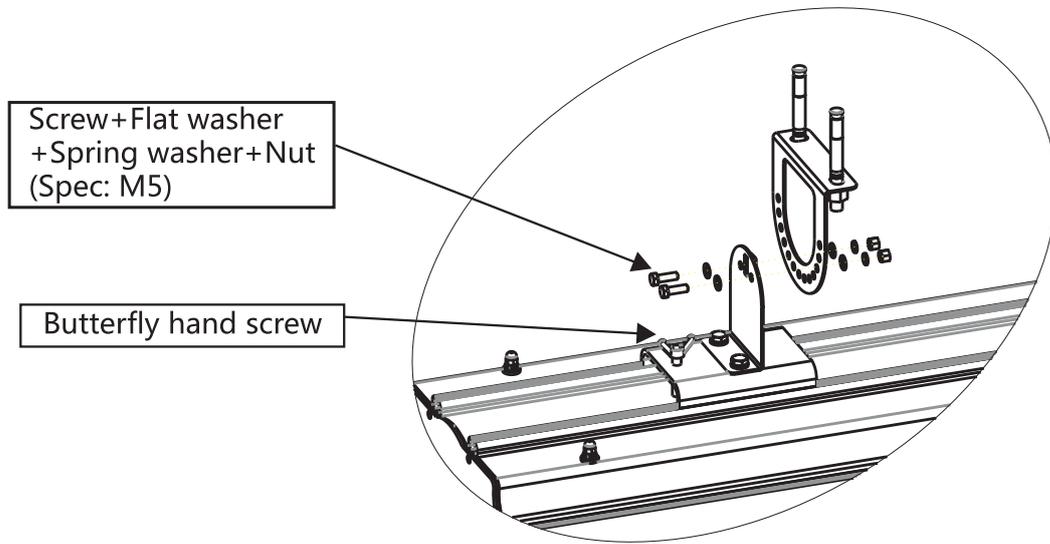
Step 3 : Installation of sliding bracket & heater, as arrow points.



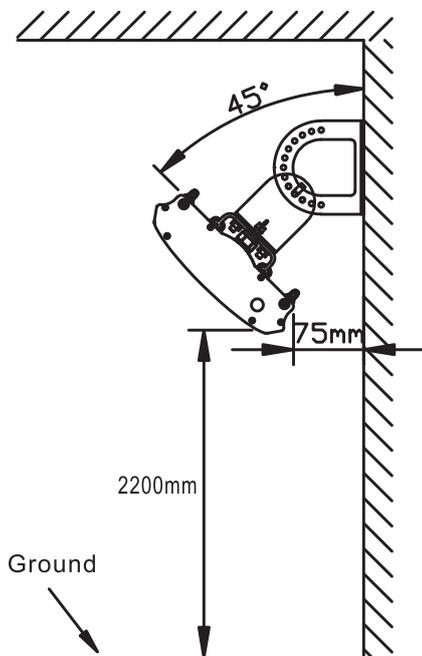
Step 4 : Fix adjusting bracket into the wall by expansion screws.



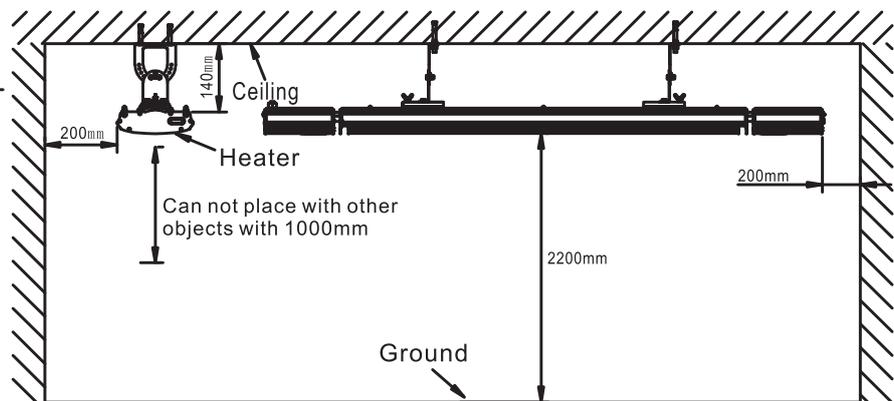
Step 5 : Installation of two adjusting brackets; make sure lock brackets tight by butterfly hand screw.



7. INSTALLATION DIAGRAM

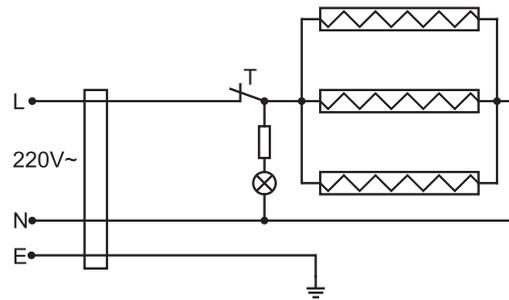


Install vertically in front



Ceiling installation

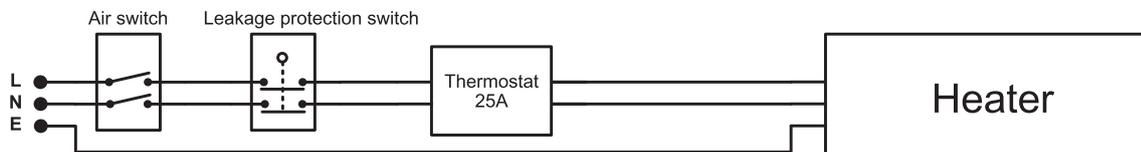
8. INTERNAL WIRE DIAGRAM



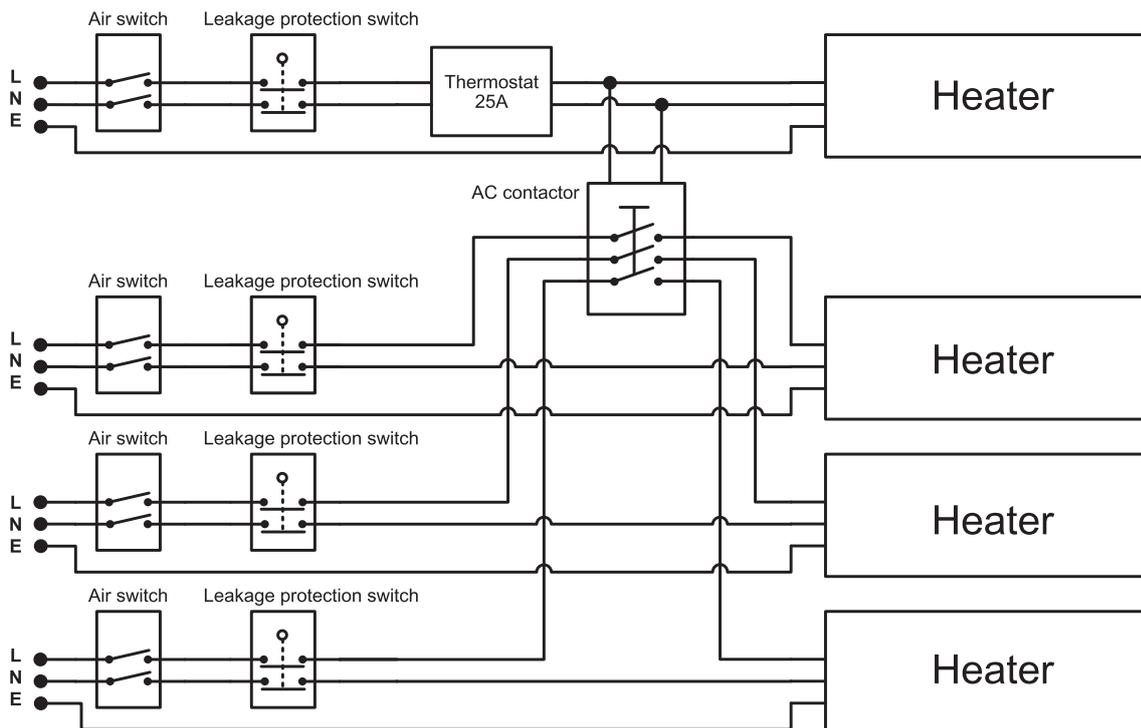
9. WIRE DIAGRAM

Follow wiring instruction as follows:

1. One unit control

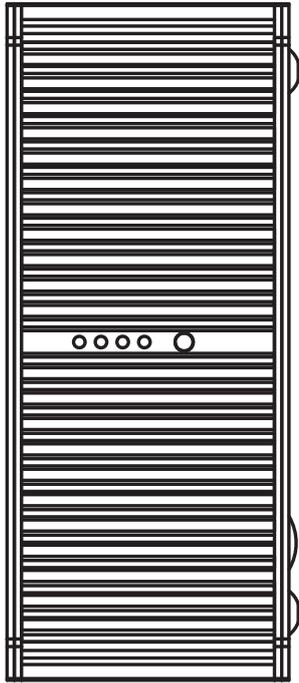


2. Several units control

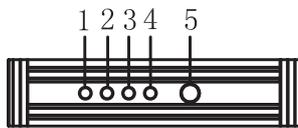


Wire diameter(mm ²)	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240
Current(A)	13	18	24	32	45	61	85	105	124	160	201	235	275	323	381
Air switch(A)	16	20	25	32	50	63	100	125	125	160	250	250	400	400	400

10. MANUAL FOR REMOTE



Temperature controller parts (Heater-III)



LED

1-4:Indicator light

Heater LED indicate manual

AS aboved pic shows: There are 4 indicate lights on the temperature controller parts, these 4 indicate lights are used to indicate machine's running level. No.5 is far infrared receiver;

Attention: The No. 1 indicate light has two color state, red and green.

1. After connected with electricity but keep heater turn off, the indicate lights will not shine. Press (ON/OFF button) to turn on the heater.

Please note: Heater default setting runs in 100% power.

2. Press (Level button) to adjust heater power.

3. Press (CLOCK button) to turn off the heater on setting times.

Power levels

No. 1 indicate light has two color state, red and green.

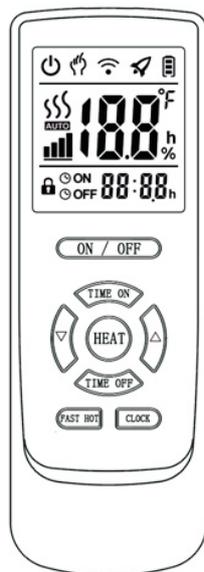
Shines red: No.2 to No 4 lights shows in power setting;

Shines green: No.2 to No.4 lights shows in clock setting (time setting).

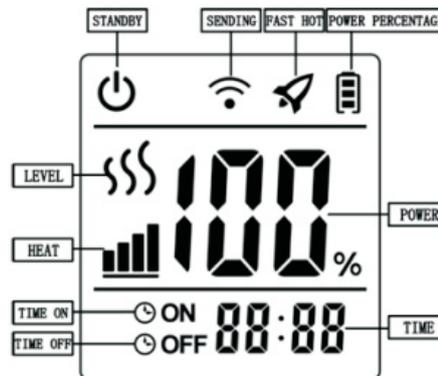
- ○ ○ ○ power level 25%
- ● ○ ○ power level 50%
- ● ● ○ power level 75%
- ● ● ● power level 100%



- ○ ○ ○ No in clock function(without time setting)
- ● ○ ○ heater will auto close after 2 hours
- ● ● ○ heater will auto close after 4 hours
- ● ● ● heater will auto close after 8 hours



Remote appearance



Remote LED display

1. ON/OFF button

Press ON/OFF button to turn on/off heater.

2. clock button

Remote is powered on(as show in picture 2-1), present time is 00:00, time setting as follow:

- 1)Press clock button, the hour will flash(as show in picture 2-2), press up or down button to change hour setting.
- 2)Press clock button, the minute will flash(as show in pictures 2-3), press up or down button to change hour setting.
- 3)Press clock button, the second will flash(as show in picture 2-4), press up or down button to change hour setting.
- 4)Press clock button again, the second stop flashing and the setting is finished.



2-1



2-2



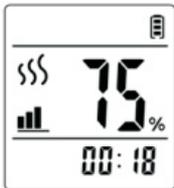
2-3



2-4

3. Level button

Press level button to adjust the power when the heater is on(as show in picture 3-1).



3-1

4. fast hot button

Press fast hot button to turn on/off fast hot function.

Fast hot function is to let the heater run at full power for a certain time, to achieve the purpose of rapid heating.



5. Timer on button

1) Press timer on button, it will show ON---(as show in picture 5-1).

2) Press up or down to change hour(as show in picture 5-2).

3) Press time on button again, hour stop shining and minute begin to shine, press up or down to change minute(as show in picture 5-3).

4) Press time on button again, timer on function finished. It will show the present time 16:30 and on. Time on setting finished(as show in picture 5-4).



5-1



5-2



5-3



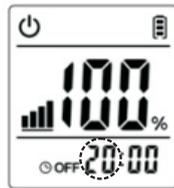
5-4

6. Timer off

- 1) Press timer off button, it will show off:--(as show in picture 6-1).
- 2) Press up or down to change hour(as show in picture 6-2).
- 3) Press time off button again, hour stop shining and minute begin to shine, press up or down to change minute(as show in picture 6-3).
- 4) Press time off button again, timer off function finished. It will show the present time 16:30 and off. Timer off setting finished(as show in picture 6-4).



6-1



6-2



6-3



6-4

1 1. INSPECTION ITEMS AFTER INSTALLATION

Items to be checked	Situation caused by improperly installation
Is installation stable?	The equipment may fall off or shake.
Is heat insulation adequate?	Damage objects close to equipment.
Does power voltage same as voltage shown on product nameplate?	Equipment failure.
Does wire connection correct?	Equipment failure.
Does electricity ground connected safely?	There is electricity leakage risk.
Does wiring conform to standard?	Equipment failure or circuit damage.

1 2. ATTENTION

Due to thermal expansion and contraction, the heater would make noise when turning on or off. It's a normal phenomenon, and won't make bad affection.

1 3. INSPECTION ITEMS FOR COMMISSIONING

1. Do not connect power until installation is complete.
2. All wires connection are correct and firm.
3. All scattered objects must be removed from radiant heater body.
4. Connect power and check heater is operating correctly.

14. SAFETY PRECAUTIONS

1. DO NOT use the same plug socket as other appliances, in case of overload.
2. Disconnect from power supply when not in use.
3. If wires are damaged, or heater appears not to be operation correctly, DISCONNECT FROM POWER IMMEDIATELY. Contact an authorized service engineer for repair.
4. DO NOT place directly below power outlet.
5. Unit must be installed at least 2.2m above ground level as the heating panel is extremely hot during operation and MUST NOT BE TOUCH.
6. DO NOT cover the heating panel at any time, and do not hang objects from the heater.
7. A distance of 150mm is required between the rear of the heater and the ceiling.
Allow 200mm from the sides of the heater. and do not place any object within 1000mm directly in front of the heater.
8. When cleaning, ensure the power is disconnected, and do not submerge in liquid.
9. DO NOT install or use radiant heaters any area where any flammable, explosive, or easily ignited materials are present.
10. DO NOT insert metal or any foreign objects into the heater.
11. DO NOT use when wet.

15. PACKING LIST

No.	Name	QTY
1	Heater	1 pc
2	Adjusting bracket	1 set
3	Sliding bracket	2 pc
4	Fastener	1 set
5	Owner manual	1 copy

16. SPECIFICATIONS

Model No.	Dimension(mm)	Package size(mm)	Net weight(kg)	Gross weight(kg)
JH-NR10-13A	600*189*67	695*250*145	3.7	4.8
JH-NR18-13A	1000*189*67	1095*250*145	6.2	7.4
JH-NR24-13A	1500*189*67	1595*250*145	8.8	10.6