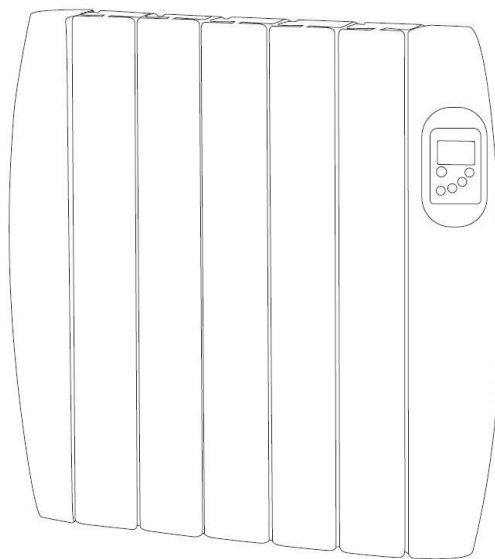




# User Manual

**Aluminum Electric Radiator with  
Kaolin Ceramic Heat Plates**

**JT6r, JT9r, JT12r, JT15r, JT20r**



**Please read this manual carefully before use**

## **IMPORTANT SAFEGUARDS**

When using an electrical appliance, basic safety precautions should always be observed, including the following:

### **READ ALL INSTRUCTIONS BEFORE USING**

**WARNING: To reduce the risk of fire, electrical shock, or injury to person:**

1. Connect the appliance to single-phase AC supply of the voltage specified on the rating plate 230V +/- 10%
2. In order to avoid overheating do not cover the heater.
3. Extreme caution is necessary when any heater is used by or near children, disabled persons or elderly persons as the surface area is hot
4. The heater must not be located immediately below an electrical Socket-outlet.
5. Do not run power cord under carpeting and do not cover cord with throw rugs, runners or the like. Arrange cord away from traffic area and where it will not be a trip hazard.
6. Do not operate the heater with a damaged cord or plug; always

inspect the power cord before installation.

7. If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or a similarly qualified person in order to avoid a hazard.
8. Never use an extension cord as this may overheat and may cause a fire.
9. Use the heater in a well-ventilated area. Use the heater on flat, dry surfaces only.
10. Do not place this heater near flammable materials, surfaces or substances, as there may be a risk of fire. Keep the above flammable materials, surfaces or substances at least 300mm from the front of the product and keep them away from the sides and rear.
11. Do not use the heater in any areas where petrol, paint or other flammable liquids are stored e.g. Garages or workshops.
12. Don't use this heater in the immediate surroundings of a bath, a shower or a swimming pool. Always seek advice in locating a suitable position for such areas. The heater should be installed so that cannot be touched by a person using a bath or shower.
13. This heater is hot when in use. To avoid burns and personal injury, avoid contact for long periods with the heater.
14. Before moving the heater, unplug it and let it cool down for 45 minutes. If provided, use handles when moving the product.
15. Be sure that no other appliances are in use on the same electrical circuit as your product as an overload can occur. Seek professional advice from an electrician before installing the product
16. This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance

by a person responsible for their safety.

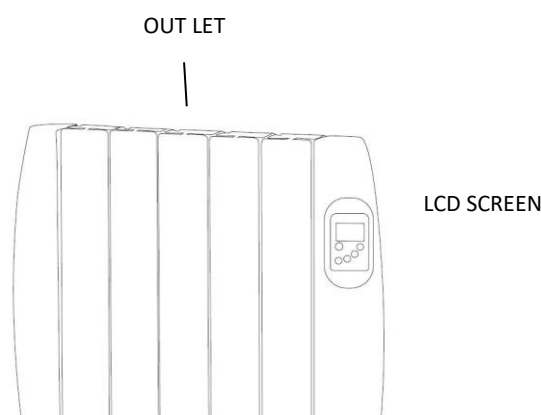
17. Children should be supervised to ensure that they do not play with the appliance.
18. This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.
19. Children of less than 3 years should be kept away unless continuously supervised.

## SAVE THESE INSTRUCTIONS

### SPECIFICATIONS

MODEL NO	FINS	NET SIZE	RATED VOLTAGE	RATED POWER
JT6r	4	500x80x580mm	~230V/50Hz	600W
JT9r	5	580x80x580mm	~230V/50Hz	900W
JT12r	8	820x80x580mm	~230V/50Hz	1200W
JT15r	10	980x80x580mm	~230V/50Hz	1500W
JT20r	12	1140x80x580mm	~230V/50Hz	2000W

### STRUCTURE AND PARTS



FINS

POWER SWITCH

TEMPERATURE SENSOR

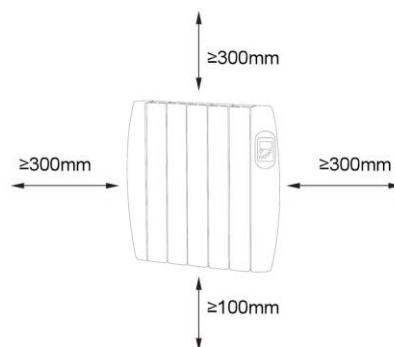
## CHARACTERISTIC

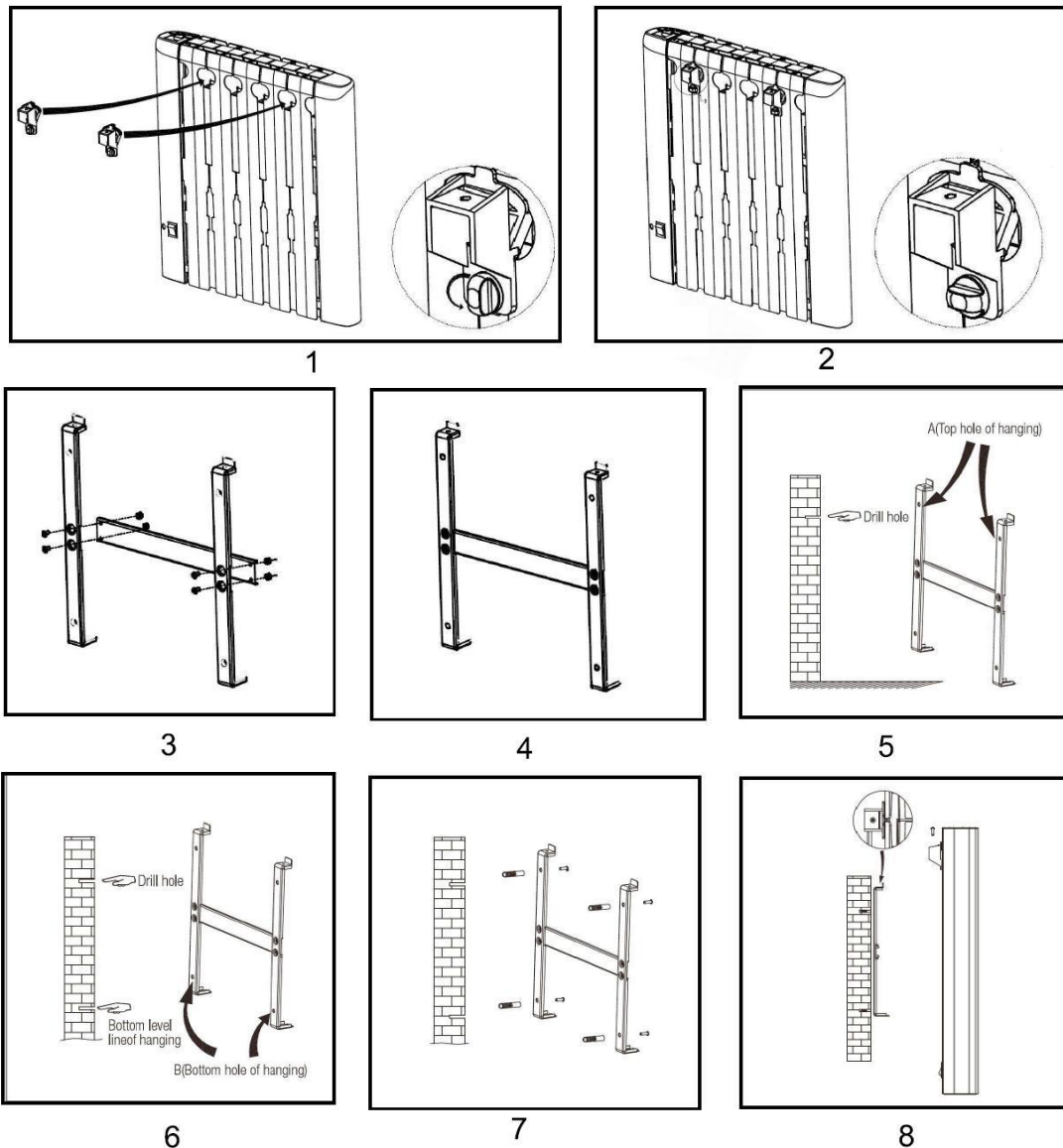
1. 1 heat setting
2. Over heating protection
3. With digital LCD
4. Room temperature setting
5. Room temperature sensor
6. Digital clock, digital week calendar
7. Multi-running mode: daily program mode, weekly program mode, free use mode, pilot system function
8. Anti-frost function
9. Wall-mount use
10. Built in RF Communication. 868Mhz

## INSTALLATION

### WALL-MOUNTED USE

Make sure that the the correct distance (indicated on the right) from walls and objects is respected.





A. Refer picture (1) & (2), fix the plastic hooks on the back of radiator by contra rotating knob.

B. Refer picture (3) & (4), use screw to fix the hanging rack.

C. Refer picture (5) & (6), make sure side A is up & side B is down position for the hanging rack. Do not make hanging rack in wrong direction.

D. Refer picture (5) & (6), put the hanging rack on the wall as a guide ruler(please make sure the holes at parallel level), use a pen to mark the hole position, and drill holes on the wall with  $\phi$  8mm drill bit.

**Warning:** be sure to maintain a distance of at least 30cm between the heater, floor, walls, etc. When drilling holes, always check to make sure that there is no wiring, pipework, etc.

E. Refer picture (7), insert the plastic wall plug and fasten the hanging rack on the wall with

screws.

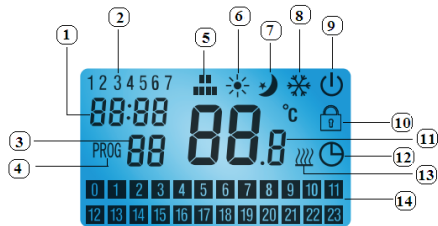
F. Refer picture (8), gently insert the heater body of the bottom to the hanging rack first, then push the heater body to be hooked on the whole hanging rack and fasten the hanging rack with hanging sheathing by screw.

## INSTRUCTIONS FOR USE

**Warning:** Before using the heater make sure that it is mounted tightly on the wall. Damage may occur if it is not secured in place.

Take some time to read and understand the display and buttons before attempting to program.

### Display & Buttons



1	Time Display	8	Frost Protection
2	Weekday	9	Standby Mode
3	Program Name	10	Lock Icon
4	PROG	11	Room/SET TEMP. Display
5	PROG Mode	12	Clock
6	Comfort Mode	13	Heating Icon
7	Economy Mode	14	Programmable Time Display

### LCD Lock Explanation

If any of the buttons are not pressed within 40s, the keypad will lock (🔒) automatically. To unlock the

keypad, press (+) and (-) until the (🔒) disappears.

## Set Temperature

Normally, the LCD displays room temperature. If you want to change the set temperature, press  $\oplus$  or  $\ominus$  buttons, the set temperature will flash. Using  $\oplus$  and  $\ominus$  button again to increase or decrease the set temperature to the desired one. After 10s of non – use of the keypad the display will revert back to the selected one.

Temperature Setting Range:  $5^{\circ}\text{C} \sim 60^{\circ}\text{C}$

## Mode Temperature. Pre-set



A



B

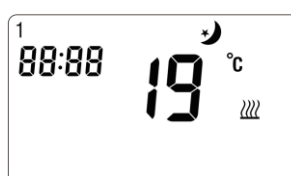
To set the mode temperature, use the following steps:

- (1) Press and hold  $\textcircled{\text{M}}$  button for 5 seconds. The COMFORT mode icon display (A) will be shown. Using  $\oplus$  and  $\ominus$  buttons to change the temp.
- (2) Press  $\textcircled{\text{M}}$  button. The ECONOMY mode icon display (B) will be shown. Using  $\oplus$  and  $\ominus$  buttons to change the temp.
- (3) Press  $\textcircled{\text{P}}$  to save the settings.

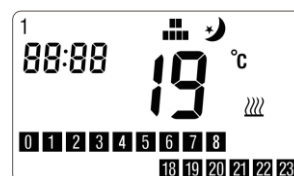
## Working Mode Selection



COMFORT



ECONOMY












PROG

To toggle between modes use  $\textcircled{\text{M}}$  button. After selection, the heater will work according to the selection.















## Adjusting the Time and Day Setting




To set the time and day with the following steps:


- (1) Press and hold  button for around 3 seconds. The minutes (top left of the display) flashes. Using  and  buttons to change the minutes.
- (2) Press the  button. The hour (top left in the display) flashes. Using  and  buttons to change the hours.
- (3) Press the  button. The day display (top left in the display) will flash as a number. Using  and  buttons to select weekday. Use 1 for Monday, 2 for Tuesday, 3 for Wednesday, 4 for Thursday, 5 for Friday, 6 for Saturday and 7 for Sunday.

## Program Settings

- (4) Press  button, the COMFORT mode () appears on the display, the figures  flashes. Press  and  to set the hour of COMFORT Mode.
- (5) Press  Button, change Mode from COMFORT to ECONOMY () Using the  and  buttons to set the hour to your desired time. Toggle between modes to select the desired program you want to suit your heating needs.
- (6) Press the  button after selecting the desired setting for this day, it will automatically skip to next day, you have the option of skipping to other day by pressing  button.
- (7) After all days setting, Press  to save the settings.

## Parameter Settings

Under off status, press  button and  button at the same time to enter into parameter setting... Each press of 

button toggles between item settings. After setting press  to log out.

No.	Item	Range	Default
01	Temp. Calibration	-8℃～+8℃	0℃
02	High Temp. Limit	5℃～ 60℃	35℃
03	Low Temp. Limit	5℃～ 60℃	5℃
04	Frost Protection	5℃～10℃ --: Frost Protection OFF	5℃
05	Buzzer Sound	0: OFF 1: ON	1: ON
06	Factory Reset	0; 1( Reset)	0;

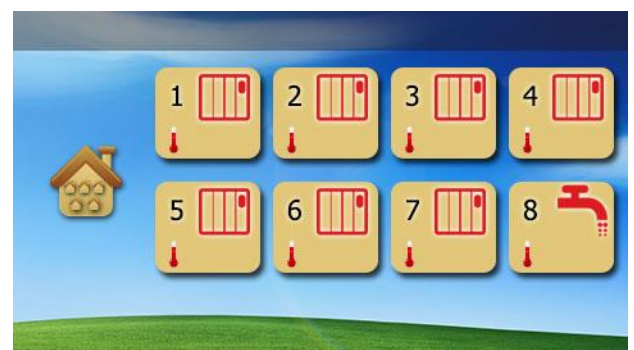
**Note:** If factory reset is required, long press PRG to activate it.

## JS10/2 Controller

This part of the manual only applies if your JOULETHERM heaters are being controlled by the JS10/2 controller.

JS10/2 is a central controller, it is 4.3inch TFT color touch screen, giving central control up to 40 zones or 40 heating devices.



### Home Page



**2-1**

Power on your JS10/2 touch screen controller, the main page will display as shown in figure (2-1).

There are five zones, select one of the zones and pair all heaters with the controller. (For ID Pairing method please see ID Pairing section in this manual)

Once pairing is complete, you can see the current temperature and working mode of each room as shown in figure (2-2). If you want change setting individually, you can press  as shown in figure (3-1), or press  for group control as shown in figure (4-1)

**2-2**

## Individual Control

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**3-1****3-2**

1. ON/OFF: switch on/off heater
2. MODE: Use to select the Comfort Mode, Economy Mode or Auto(PRG.)Mode, then selected heater will work according to pre-set temp.
3. MENU: Use to set Auto Mode Schedule, Mode Temperature Pre-set and Frost Protection Temp. Setting.

## Group Control



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**Comfort Mode**

**PRG. Mode**

## 4-1: Group ON/OFF

Please press  to turn on all heaters, and press  to turn off all heaters.

## 4-2: Mode Select

There are totally four modes, which are Comfort mode, Economy Mode, PRG. Mode and Boost Mode, you can group control all heaters' working mode here, once selected, all heaters will work according to pre-set mode temp. at each heaters.

## 4-3: Boost Mode



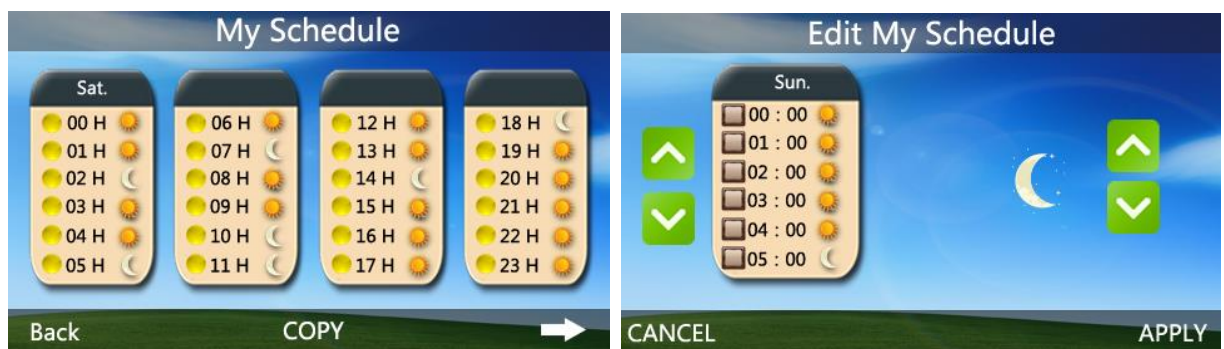
In Boost mode, the heaters from room 1 to room 7 at each zone is constantly activated in comfort mode for a certain minutes. After desired time, heaters returns to previous working mode. You can change the desired time by pressing UP and Down button. Setting range is 30M~180M.

If you want to stop boost mode during working, please change mode to Economy mode or PRG. Mode. Please notes, if change to Economy mode, it can't stop boost mode, as all heaters works in comfort mode under boost mode.

## Menu Setting





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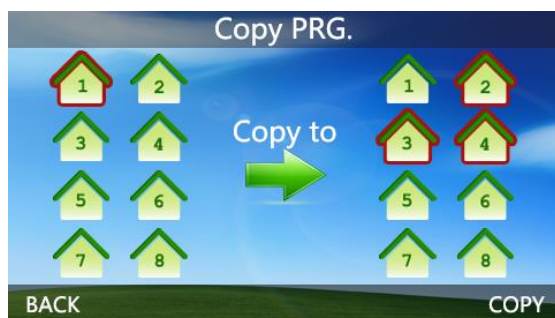
### 5-1: Auto Mode Schedule Pre-set



5-1-1

5-1-2

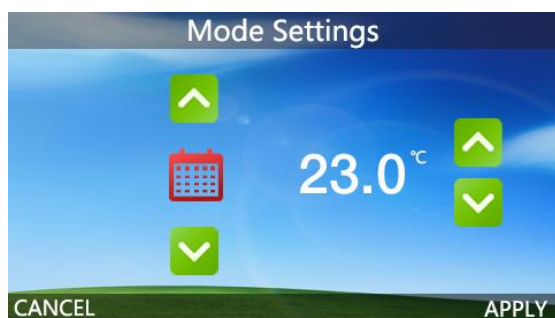
1. Press Menu Button, and choose  button to enter My Schedule to review 7 days 24 hour programmable setting as shown in figure (5-1-1). There are a total 7 pages, Press  to select the next page.
2. Press  or  to change time and working mode. Press APPLY to save to settings.
3. Once complete, press CANCEL to return to My Schedule page for other days settings.






### 5-1-3

After the day's pre-set settings have been completed, and you want other heaters have the same working schedule, simply press COPY as shown in figure (5-1-3). After copying is complete, press COPY again to save, and use CANCEL to return.

## 5-2: Mode Temperature Pre-set






### 5-2-1

Press Menu then select  button to enter Mode Settings page, using  and  buttons you can select the mode and adjust its pre-setting temperature as shown in figure (5-2-1). Once complete press APPY to save setting and return to main page (3-1).

## 5-3: Frost Protection Temperature Pre-set



Press Menu then select  button to enter Protection Settings page. You can set High Protection temp. & Low Protection temp. by  and  button. Once completed press APPLY to save.

## Copy Setting


**JS10/2 with two copy functions, from here you can copy the weekdays and copy the program to all heaters.**




6-1-1



6-1-2

After the day's pre-set settings have been completed, and you want other days have the same working schedule as this day, press COPY as shown in the figure(6-1-1), then press  icon in figure (6-1-2) to figure (6-1-3), here you can copy schedule from one day to other days freely. In figure (6-1-3) number 1 – 7 can be seen. These represent the days of the week with 1 representing Monday, 2 is Tuesday etc.

If want other heaters have the same working schedule, please press  icon in figure (6-1-2) to figure (6-1-4), here you can copy one heaters schedule to other heaters. After copying is complete, press COPY again to save, and use BACK to return.






6-1-3



6-1-4

After copying is completed, please press cancel to return to the main screen.

## ID Pairing


1. Turn Master controller to zone page and press the zone you are going to pair (Pic.1), then long press the house ICON you are going to pair. For example, to pair the first heater with house 1. Long press this icon , the ID code will show on the screen.



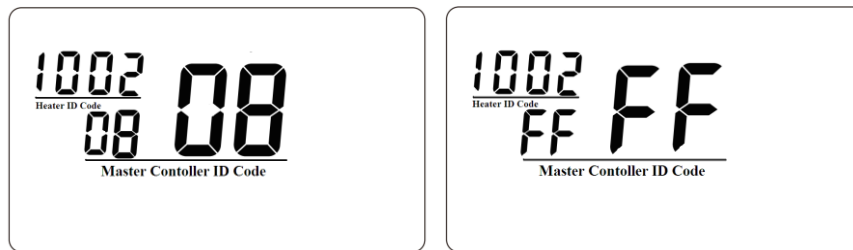
Pic. 1



Pic. 2

2. (1) If going to Pair with Heater, then Turn heater off, and long press  button, the heater ID code show on screen. The master controller ID code show as FF FF, After pairing success, the master will show "find the slave", Master ID code FF FF change to actual digit.





Before Pairing

After paring

- (2) If going to pair with slave thermostat, then turn thermostat to off by press M button , and long press M button, the ID code show on screen. The master controller ID code show as FF FF, After paring success, the master will show “ find the slave”, Master ID code FF FF will change to an actual digit.

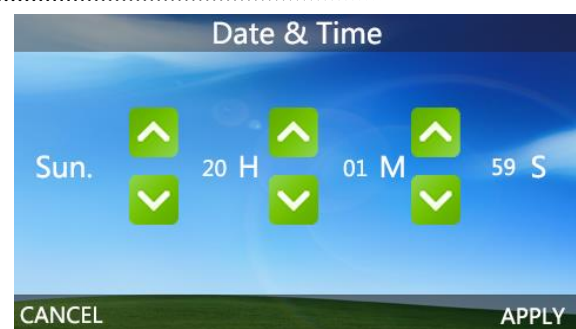




OFF Page

Before Pairing

After paring

## Time & Language Setting



Press  button in picture 2-1, then you will enter a Menu page as 7-1. Here you can select the language you like, or can press  to page 7-2 to edit date & time.

## Technical Data

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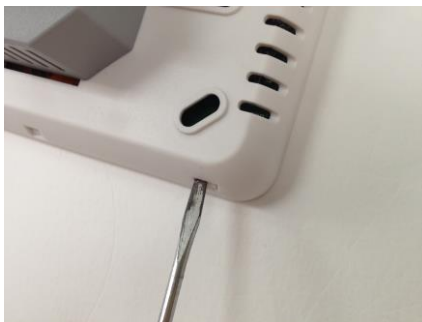
Frequency:	868 MHz
Channel selection:	By programming the thermostat and the receiver.
Switching options:	7 days 24 hour programming
Temperature settings:	5°C ~ 60°C
Certification:	CE/ROHS

## Installation

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### Step 1: Release the face plate

Place the unit face down on a hard surface, push the three clips located on the bottom of thermostat with a screwdriver to release the face plate.

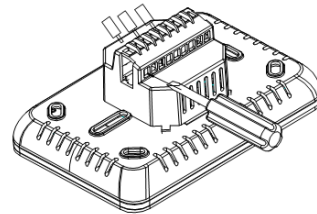
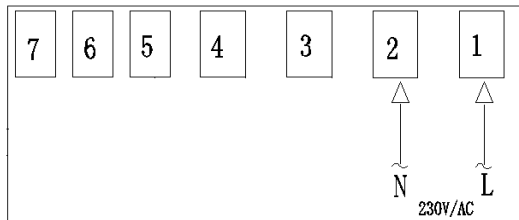


### Sep 2: Disconnect ribbon cable & remove face plate

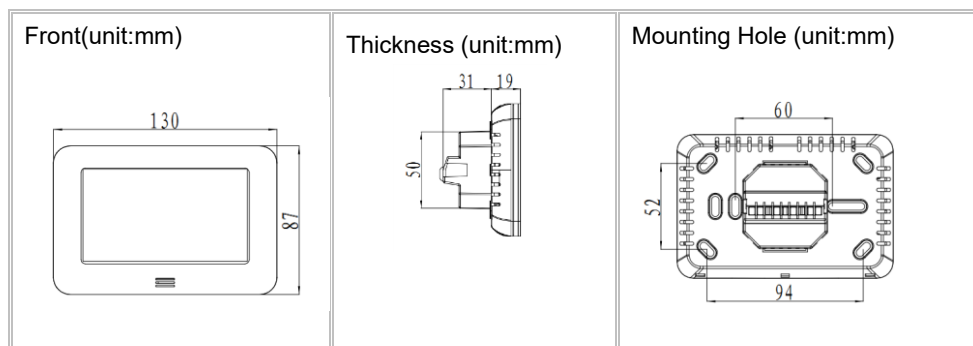
Once the face plate has been gently opened, disconnect the ribbon cable to release the face plate.

**Step3: Mount base plate to wall & connect the ribbon cable**

Install the base plate to wall tightly with provided screw, then reconnect the ribbon cable and reset the face plate(bottom edge first)

**Size**

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## **MAINTENANCE**

1. Always allow the heater to cool down before cleaning it.
2. Wipe the exterior surface of the heater occasionally with a soft damp cloth (not dripping wet) and dry the exterior surface before operating the heater.

### **WARNING:**

**Do not immerse the heater in water.**

**Do not use any cleaning chemicals such as detergents and abrasives.**

**Do not allow the interior to get wet as this could create a hazard.**

**Light accumulated may be removed from the heater with a soft dry cloth.**

**To store away the heater, put the heater back into its original package and store it in a clean dry place.**

**In case of malfunction or doubt, do not try to repair the heater yourself; it may result in a fire hazard or electric shock.**

## **CONFORMITY WITH DIRECTIVES**

This product is CE marked to denote conformity with Directives 73/23/EEC (Low Voltage) and 89/336/EEC (Electromagnetic Compatibility), as amended.

Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice.



## Warranty and Returns:

The JS10/2 Controller is covered by a two year warranty when installed by a trained engineer. The electronic control panels on all JouleTherm are also covered by a two year warranty. The ceramic plates and body of the radiator are covered by a 10 year working guarantee. The warranty only covers the unit in the event it fails to work during that period. The unit is not covered under warranty should there be any defects or damage to it. All warranties issues should be made in writing to the address below. They can also be made via email to the email address below. Warranties will only be adhered too upon receipt of the goods to the address below and the final decision is at the discretion of the Ecovolt Engineers

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