

USER MANUAL

LYON

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USER MANUAL

LYON

PLEASE READ SAFETY INSTRUCTIONS CAREFULLY BEFORE USING THE UNIT.

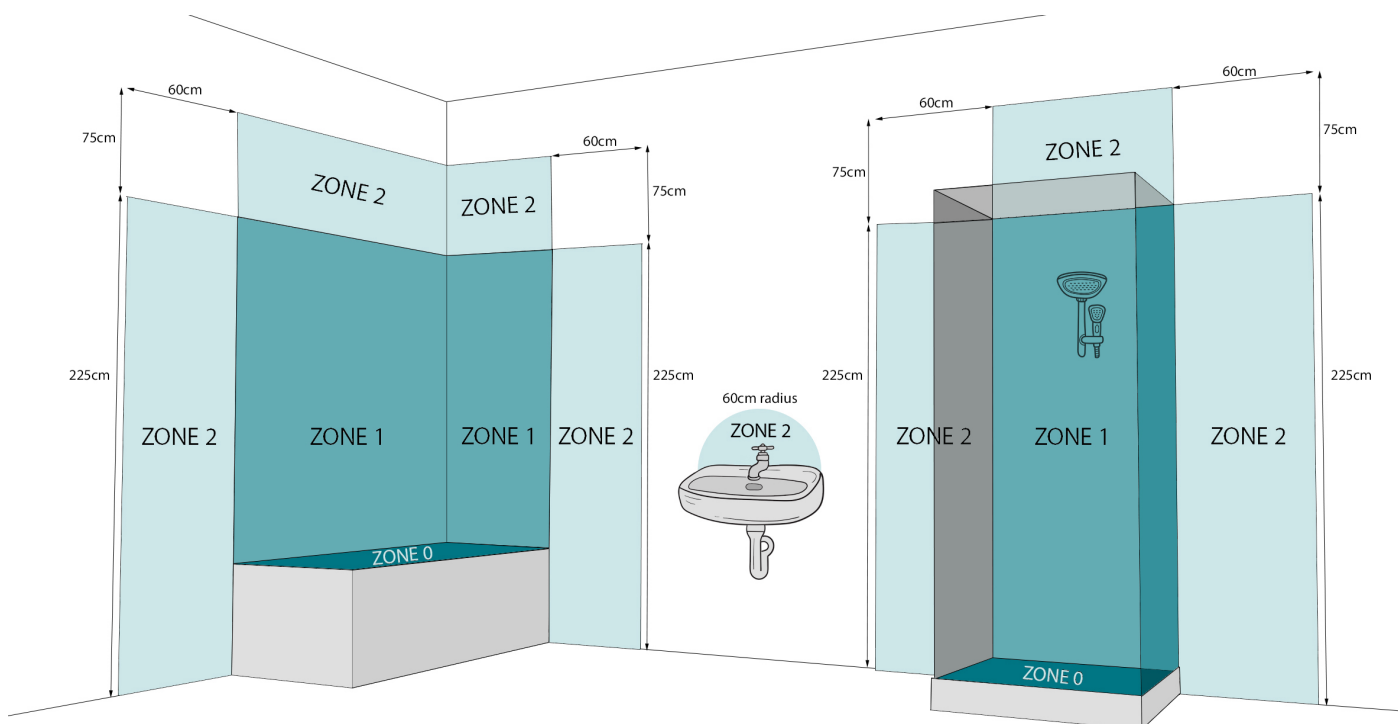
- This appliance can be used by children 8 years and over, and above and persons with reduced physical, sensory or mental capabilities or a lack of experience and knowledge, provided that they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children must not play with the appliance. Cleaning and user maintenance must not be carried out by children without supervision.
- Children under 3 years should be kept away unless continuously supervised.
- Children aged between 3 and 8 years may only switch the appliance on or off if it has been placed or installed in its intended normal operating position, and they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.
- Children aged from 3 years and less than 8 years shall not plug in, regulate and clean the appliance or perform user maintenance.
- **CAUTION** – Some parts of this product can become very hot and cause burns. Particular attention has to be given where children and vulnerable people are present.
- If the power cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- The appliance should not be placed immediately below a socket.
- **WARNING:** In order to avoid overheating, do not cover the heater.
- Do not use this heater with a programmer, timer, separate remote-control system or any other device that turns on the heater automatically because there is a risk of fire if the device is covered or placed incorrectly.
- **CAUTION:** To avoid hazard due to inadvertent resetting of the thermal cutout, this appliance must not be powered via an external switch, such as a timer, or connected to a circuit that is regularly switched on and off by the electricity supplier.
- This heater must not be disposed of with household waste; it must be taken to a local centre of recovery and recycling of electrical appliances.
- The heater must be installed so that switches and other control devices cannot be touched by a person in the bath or shower.
- A means of disconnection from the power supply having a contact opening distance of all poles must be included in the fixed wiring in accordance with the installation requirements.
- **WARNING:** If this device is installed in a bathroom, it must be installed outside of zone 1, at least 60 cm from a bath or shower, in accordance with UK regulations.
- The device must be powered through a Residual Current Device (RCD) having a rated differential operating current not exceeding 30 mA.
- If being fitted in a bathroom, a 30mA RCD must be used.
- With respect to the details of how to install the appliance onto the wall, refer to part "INSTALLATION".
- Regarding the detailed information on the connection of the electric cable, refer to the section "ELECTRICAL CONNECTION".

IMPORTANT TO READ BEFORE INSTALLATION

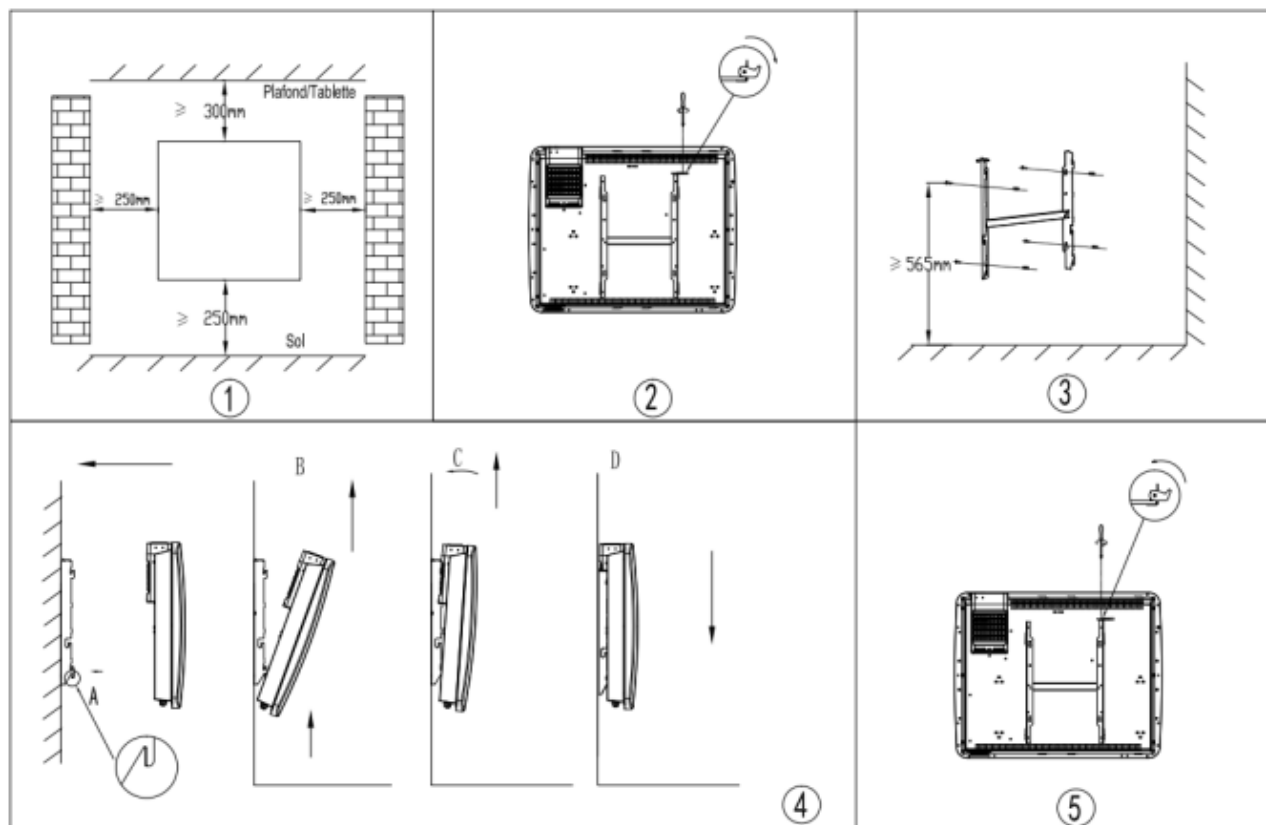
- Do not install the unit directly below a socket.
- Do not install the unit in a damp room or near a water source.
- Do not use the appliance outdoors.
- Do not install the unit in an air current that could interfere with its operation.
- Do not place the unit near any obstruction that may restrict airflow around it.
- Attach the heater vertically to the wall as described below.
- Choose screws and plugs suitable for the wall material and the weight of the unit.

INSTALLATION IN THE BATHROOM

- **WARNING:** This appliance must only be installed in Zone 2 or outside the bathroom zones, as stated in the UK Wiring Regulations (BS 7671) for electrical installations inside the home.
- **NOTE:** The drawing is for reference only. We suggest that you contact a professional electrician for assistance.



INSTALLATION INSTRUCTIONS



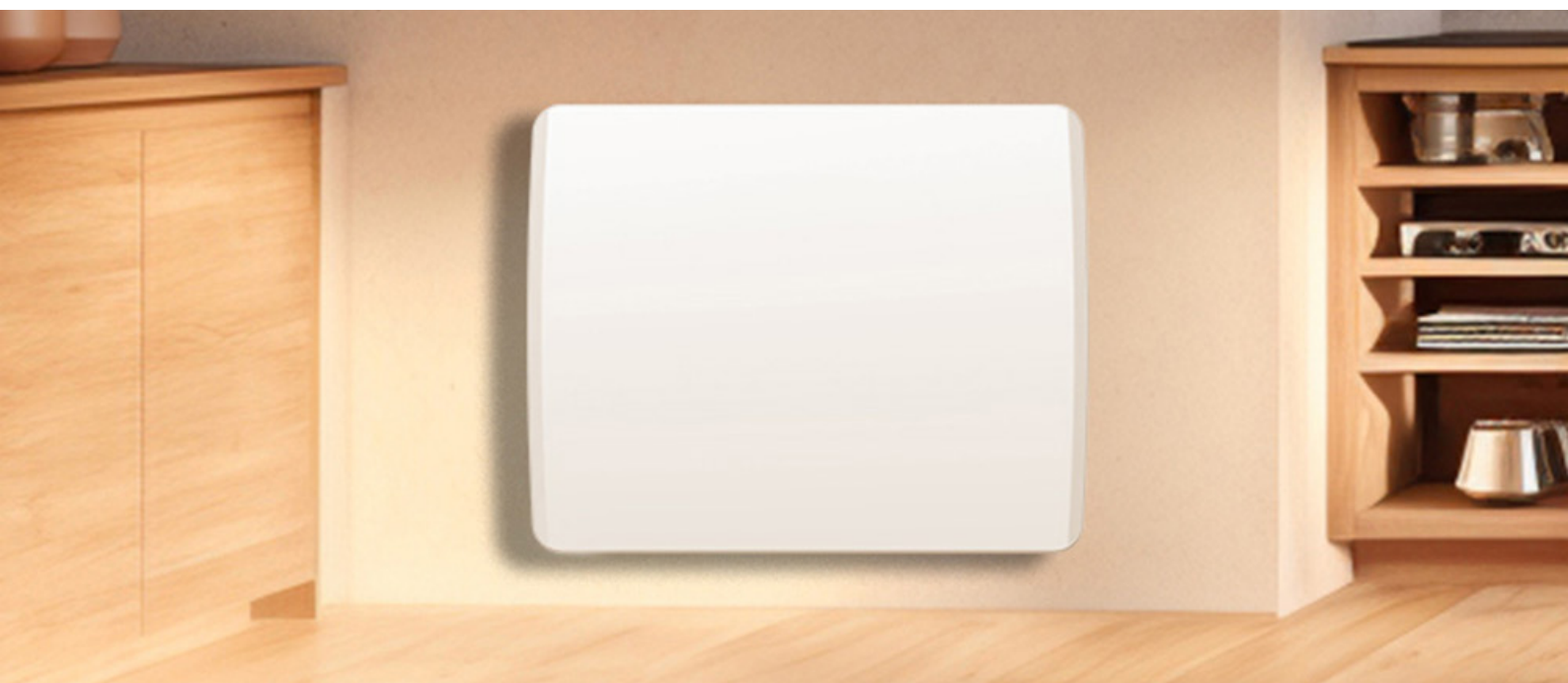
1. Choose a suitable installation location for the heater. (Fig 1)
2. Disassemble the wall bracket by loosening the screw (do not remove, only loosen) and slide the metal plate out of the hole. Remove the bracket by pulling it down. (Fig2)
3. Verify that the bracket is horizontal using a spirit level and mark the locations for four holes on the wall. Drill four holes in the wall using a drill bit that matches the diameter of the wall plugs. Insert the wall plugs into the holes, then securely screw the wall mount bracket onto the wall. (Fig 3)
4. Place the heater against bracket (Fig 4). Align the heater with the two lower hooks facing downwards. Pull the heater upwards while retaining it in the two lower hooks. Align the heater with the two upper hooks facing upwards. Pull the heater down.
5. Slide the metal plate into place and fasten the screw to lock the wall mount bracket. (Fig 5)

ELECTRICAL CONNECTION

- **CAUTION:** Before working on the appliance, turn off the electricity at the main circuit breaker. The installation must comply with UK standards.
- The unit must be connected to a standard wall box placed at least 25 cm from the floor.
- The appliance must not be connected to a socket with a power plug.
- The appliance must be supplied through a residual current device (RCD) with a rated residual operating current not exceeding 30 mA.
- The appliance must not be connected to the earth (yellow/green) wire.

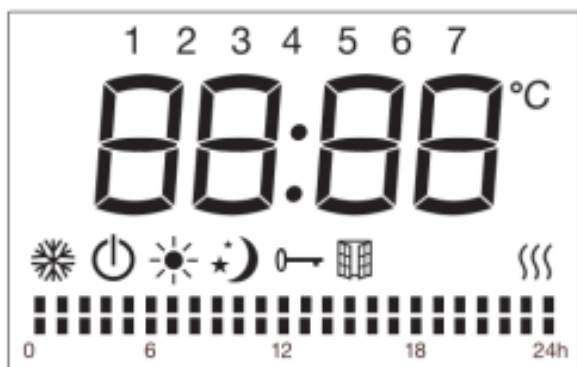
WIRES

- Blue or light grey wire connect to Neutral (230V)
- Brown or red wire connects to Phase (230V)
- Black wire connects to pilot wire. (Optional function to use in case of control by pilot wire box)
- **WARNING!** Do not connect the black wire to the earth connection.
- If no pilot wire is present, insulate the bare end of the black wire to prevent electrical contact with the other wires or earth.



OPERATION

LCD DISPLAY



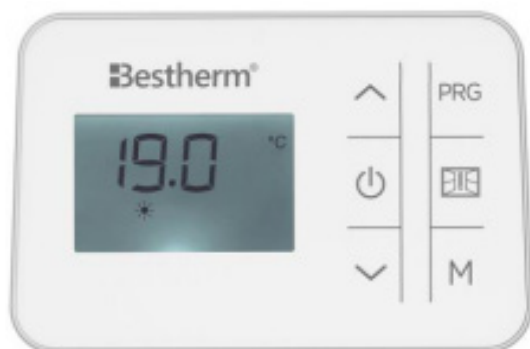
SYMBOL	FUNCTION
	Stand-by mode (The appliance will not work but will receive power)
	Anti-freeze mode (The appliance maintains a temperature of around 7 °C)
	Comfort mode (desired set temperature)
	Eco mode (ECO maintains a temperature 3.5°C lower than the selected Comfort temperature.)
	Pilot wire mode (to set the programs via pilot wire programmer)
	Window detector function
	Keyboard lock
	Heating indicator (When appliance is heating up, this icon will be displayed at the screen. The icon will disappear when the room temperature reaches the selected temperature)
°C	Temperature (centigrade)

Weekly personalized modes:

SYMBOL	FUNCTION
	Mode Comfort active
	Mode ECO active

OPERATION

CONTROL PANEL



SYMBOL	FUNCTION
	Stand-by
PRG	Personalised programs
	Window detector function
M	Comfort mode Economy mode Anti-freeze mode P1/P2/P3/P

Touch  /  Set the time, day of the week, the temperature; or under weekly personalised programs, to choose between comfort mode, or eco mode.

OPERATION

When you first use the appliance, there may be a slight smell, which is normal. Allow the appliance to run for one hour to make it disappear.

1. Setting the time and turning on the device

To be able to use the preset programs (P1 / P2 / P3 / Personalised programs), the date and time must have been set on the device.

For more details on the content of the preset programs (P1 / P2 / P3) refer to the following section.

Two different methods to set the time:

- A. If the appliance was not connected to the power supply, after connection the time will appear on the screen for setting. Press  to toggle between hours / minutes / day of the week (1-7). Press the  button to set the hours / minutes / day of the week. Press the  button to complete the setting and return to Stand-by mode, otherwise after 10 seconds without action the device will automatically return to stand-by mode as if it was the first time you use the device.

OPERATION

OPERATION

B. If the appliance is in operation and you want to change the time setting, press the $\wedge$ and $\vee$ at the same time to enter the time setting. Press $\wedge$ to toggle between hours, minutes, and day of the week. (1-7). Press the $\vee$ button to set the hours, minutes, and day of the week. Press any button other than $\wedge$ or $\vee$ to save the setting; otherwise, after 10 seconds without the setting will be saved automatically

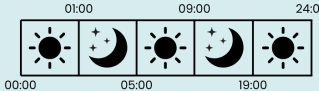
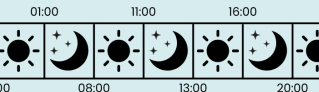
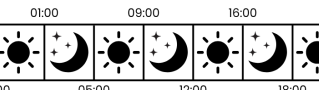
2. Press M

Press the **M** button to toggle between the modes: Comfort mode , Economy mode , Anti-freeze mode , the 3 pre-set programs (P1 / P2 / P3), and Pilot wire mode P.

In Pilot wire mode **P**, set the heating using the external timer. When the external programmer is set to another mode, the display shows:

EXTERNAL MODE SETTING	ICON DISPLAYED
Comfort mode 	P 
Comfort mode  -1	P -1 
Comfort mode  -2	P -2 
Economy mode 	P 
Anti-freeze mode 	P 
Stand-by mode 	P 

The 3 preset programs are detailed below:

P1	Monday - Sunday	
P2	Weekdays	
	Weekends	
P3	Weekdays	
	Weekends	

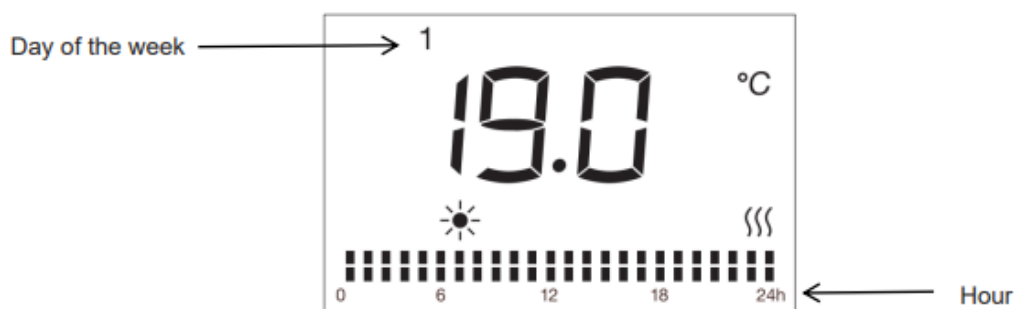
OPERATION

3. Press PRG

- Press the PRG button to choose one of the programs.
- In program mode, Press PRG button to select between "day (1 for Monday -7 for Sunday)" and "heating mode of different periods (00:00-24:00)".
- Select the desired day (1-7) by pressing the $\wedge$ / $\vee$ buttons.
- Press the PRG button to set the "heating mode of different period (00:00-24:00)".
- When you set the "heating mode of different period (00:00-24:00)", press the $\wedge$ button to choose hours, and $\vee$ to choose among function: comfort $\blacksquare$, or economy mode $\blacksquare$. After 30 seconds it will automatically save.

For example, to select the day 1 temperature of 19 °C, comfort mode for 24 hours:

- Press PRG, then $\wedge$ / $\vee$ buttons to choose day 1.



- Press the PRG button again, press $\wedge$ to choose the hour, $\vee$ to choose comfort mode and then repeat for the entire 24 hours.
- After 30 seconds without action, the setting is saved.

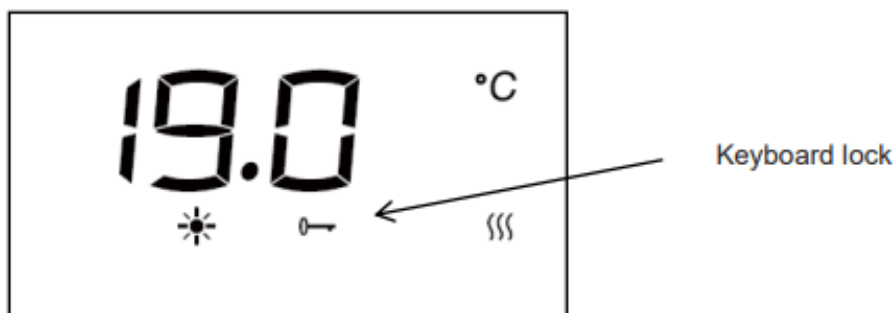
4. Temperature setting

- In comfort mode $\odot$, or Pilot wire mode P or Eco mode $\smile$ (excluding anti-freeze mode $\ast$) press $\wedge$ or $\vee$ to select the desired set temperature.
- The temperature range for comfort mode and pilot wire mode is between 5°C and 29°C and for eco mode is between 1.5°C and 25.5°C. The temperature difference between the eco mode and the comfort mode must be at least 3.5°C. Each time you press the buttons to adjust the temperature, you increase or decrease the temperature by 0.5°C.
- Press any other button except $\wedge$ / $\vee$ to finish the setting; otherwise, after 5 seconds without action, the setting is automatically saved. When the room temperature is the same or higher than the selected temperature, the heater will stop heating.

OPERATION

5. Keyboard lock

- A. Press the **M** button for three seconds to activate the keyboard lock function,  to unlock, press **M** again for three seconds.



Remarks:

1. The keyboard lock function does not lock the standby  button.
2. The keyboard lock function will automatically be deactivated under the below circumstances:
 - A. The appliance is put into standby mode by pressing standby button.
 - B. The appliance suffers power disconnection. If you want this option to be activated again you will need to press the **M** button for 3 seconds.

6. Window detector function

- A. Press  to enter window detector function. Then press  /  to choose "ON" or "OFF". If "ON" is selected, the window detection function is activated and an icon will show on the screen.
- B. When temperature drop is detected, the appliance will automatically enter anti-freeze mode with the  icon flashing. If temperature rises up, the appliance will go back to previous mode with the  icon on.
- C. You can choose "OFF" to disable the window detection function.

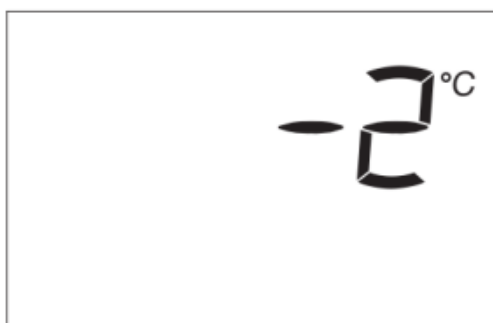
Remarks:

The window detector function is not available under anti-freeze mode.

OPERATION

7. Temperature calibration function

- A. In standby mode, press PRG and  at the same time for 5 seconds to enter the temperature calibration setting. The default temperature is 0°C.
- B. Press  or  to set compensated temperature range from minus 5°C to 5°C . If there is no action after 10 seconds, setting will be saved automatically and go back to previous interface.
- C. For example, the temperature displayed on your radiator is 20°C. The one displayed on your thermometer is 18°C , choose the calibration value -2°C.



8. In case of power failure

All of the above settings for temperature, time, date of the week, and programs remain valid until the power is removed.

Remarks:

After a **power failure**, when power is restored, the device will go back to the mode and temperature selected before the power failure. The device only saves the following parameters: temperature and operating mode. When the power is restored, the date and time must be set in order to make the various programs work correctly.

Technical Specifications

Model	640080	640081	640082	640083
Voltage	230 V ~	230 V ~	230 V ~	230 V ~
Frequency	50Hz	50Hz	50Hz	50Hz
Rated power	750w	1000w	1500w	2000w
Protection class	II	II	II	II
IP Protection	IP24	IP24	IP24	IP24
Pilot wire	6 Orders	6 Orders	6 Orders	6 Orders

Care and maintanence

1. Before cleaning the appliance, switch off the appliance from the power supply and wait until it is completely cold.
2. Use a damp cloth to clean the casing.
3. Clean grill and air outlet regularly. Never immerse the appliance in water or allow water to enter the appliance.

RECYCLING (DISPOSAL OF THE PRODUCT AT THE END OF ITS LIFE)

The crossed-out wheeled bin symbol indicates that the item should be disposed of separately from household waste. The item should be handed in for recycling in accordance with local environmental regulations for waste disposal. By separating a marked item from household waste, you will help reduce the volume of waste sent to incinerators or landfill and minimise any potential negative impact on human health and the environment.

