

# Opal

## Aluminium Radiator Heater Range

### Installation and Wiring Instructions



Stock Ref. N°

448469	VAAR500
448470	VAAR750
448471	VAAR1000
448472	VAAR1250
448473	VAAR1500

# **Vent-Axia®**

PLEASE READ INSTRUCTIONS IN CONJUNCTION WITH ILLUSTRATIONS.  
PLEASE SAVE THESE INSTRUCTIONS

**CE**

# 1. GENERAL WARNINGS

- \* This appliance has been designed to be fixed to a wall. Please read these instructions carefully before starting the installation.
- \* This heater is filled with a precise quantity of special oil. Repairs requiring the opening of the heater should be carried out by a qualified service engineer.
- \* Never pull the power cord. Do not leave the power cord in contact with the appliance while it is on.
- \* When the heater is ON make sure that it is kept away from any combustible material such as curtains, carpets furniture, etc.



DO NOT COVER THE APPLIANCE. DO NOT USE IT TO DRY CLOTHES.  
If it is covered there is an overheating risk.

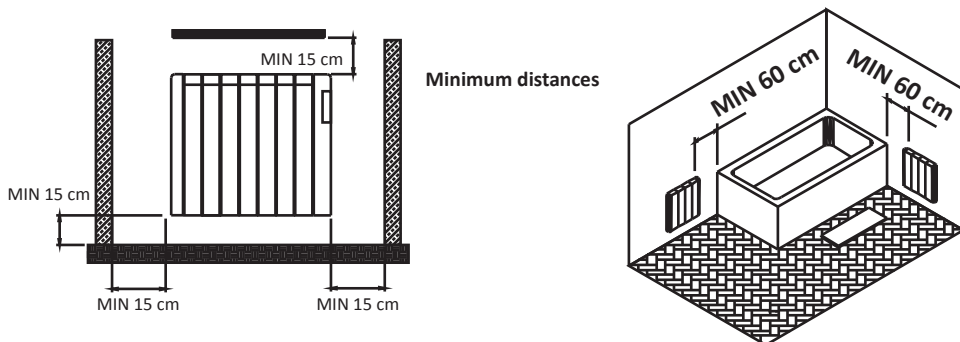
- \* In order to prevent children from modifying the heaters program settings the heater, incorporates a function to let you lock the controls.
- \* To enter the programming mode the "PROG" key must be pressed for at least 2 seconds.
- \* DANGER: If the power supply cable is damaged, it should be replaced by the manufacturer or any qualified person.
- \* The appliance must be installed in such a way that it is impossible for anyone using a bath or shower, to touch the controls.
- \* The appliance should not be located under or in front of a power supply socket.
- \* This appliance must be connected to the supply by fixed wiring. The supply circuit to the heater must incorporate a double pole isolating switch having a contact separation of at least 3 mm.
- \* Before carrying out any work on the heater. It must be disconnected from the supply.
- \* This heater should not be disposed of with household waste. Please recycle where facilities exist. Please take account of the thermal fluid inside the unit.
- \* The installation should be undertaken according to the correct rules regarding the electric installation.
- \* The appliance MUST be earthed.
- \* When fitting this heater. Please respect the safety distances stated in this leaflet.
- \* The 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 appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with appliance.

## 2. INSTALLATION INSTRUCTIONS

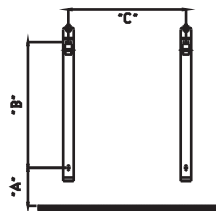
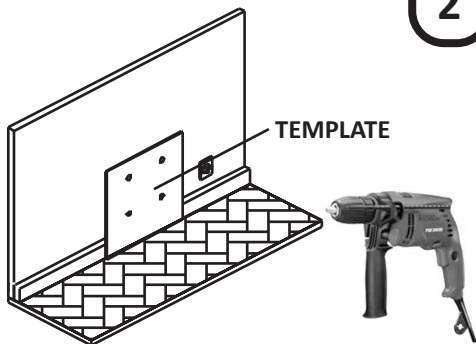
- 2.1 It is important that the heater IS FIXED FIRMLY TO A SOLID AND LEVELLED WALL.
- 2.2 Make sure that there is a socket near the area where you are going to place it.
- 2.3 Take out from the box the pattern to see the exact position of the mounting screws.

1

To avoid problems it is necessary to keep a minimum distance of 15 cm between the heater and any combustible materials.

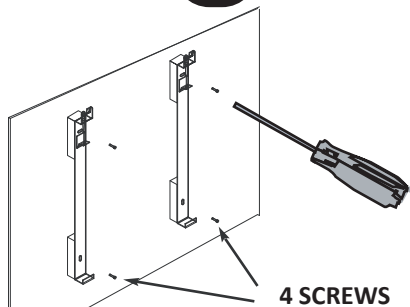


2



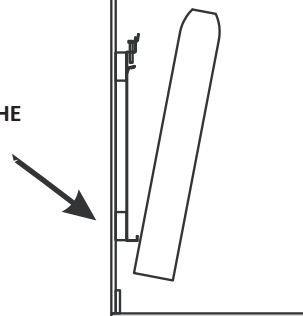
(W)	"A" (mm)	"B" (mm)	"C" (mm)
500	420	246	159
750	420	246	319
1000	420	246	478
1250	420	246	638
1500	420	246	638

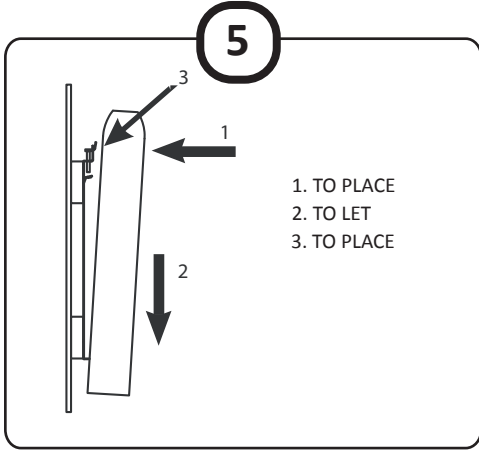
3



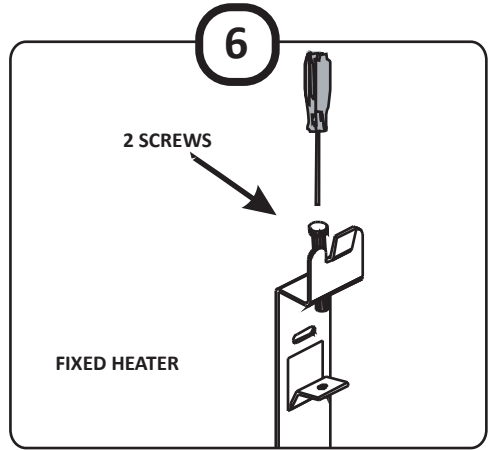
4

PLACE THE HEATER





1. TO PLACE
2. TO LET
3. TO PLACE



**IMPORTANT:**

To have the heater perfectly fixed to the wall, screw **COMPLETELY** the 6 x 50 mm screws in the upper part of the separators (Point 6 - Fig. 4).

To avoid problems it is necessary to keep a minimum distance of 15 cm between the heater and any combustible material such as curtains, furnitures, etc.

**7**

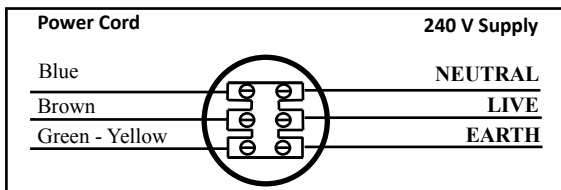
- 7.1 Then connected the power supply cord to a double pole isolating switch.
- 7.2 Make sure that the heater is perfectly fixed to the wall to avoid future risks.

### 3. HEATER FUNCTIONS

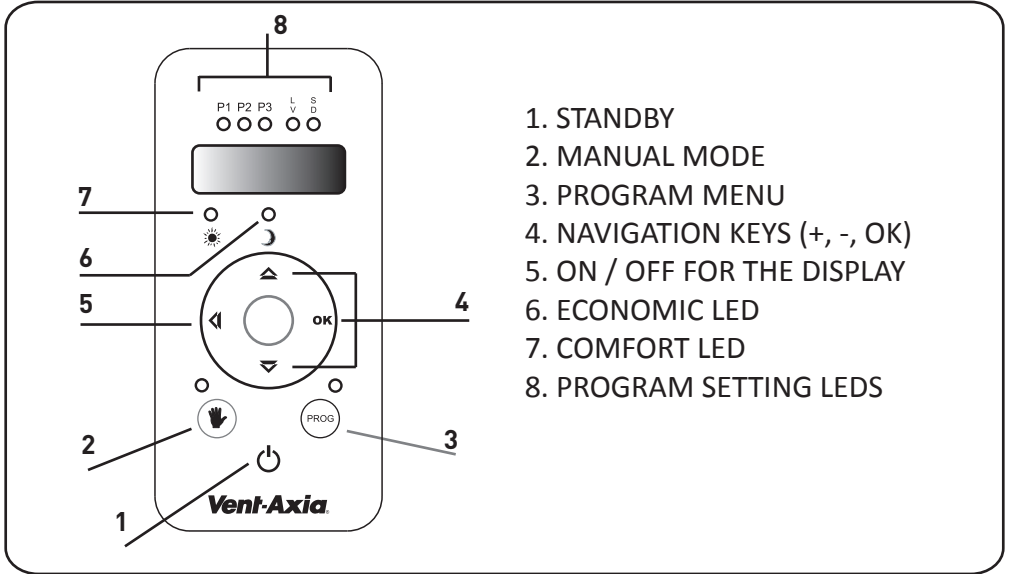
- Manual programming function.
- Configure your own heater program.
- The controls can be locked.
- ON/ OFF Luminous display.
- 7 pre-set programmes.
- Comfort/ economic/ antifreeze modes.
- Weekly programming.

### 4. ELECTRIC CONNECTION

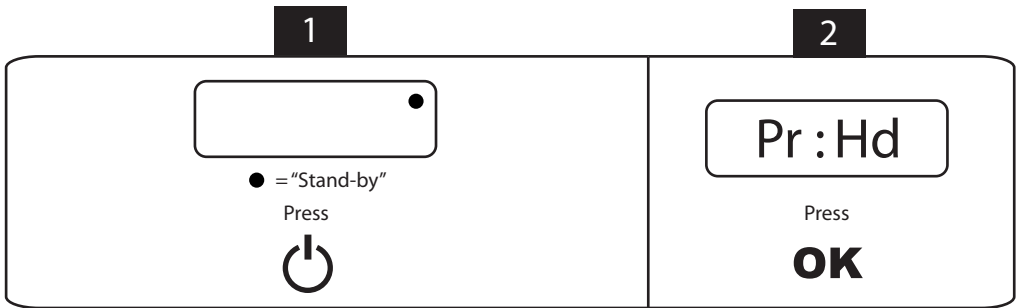
- This heater must be used on an ~ supply only and the voltage marked on the heater must correspond to the supply voltage.
- Before wiring, please note that the wires in this mains lead are coloured in accordance with the following code:



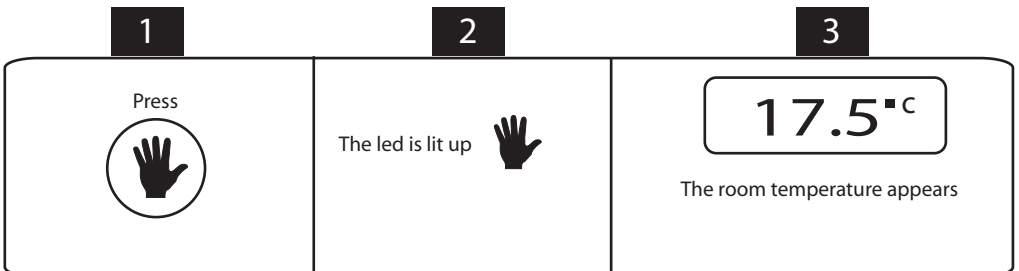
## 5 PROGRAMMING THE HEATER



### 5.1 START UP



### 5.2 MODE MANUAL



4

Press  or 

Mark the desired comfort temperature, for example 22 °C.

5

22.0 °C

Press

**OK**

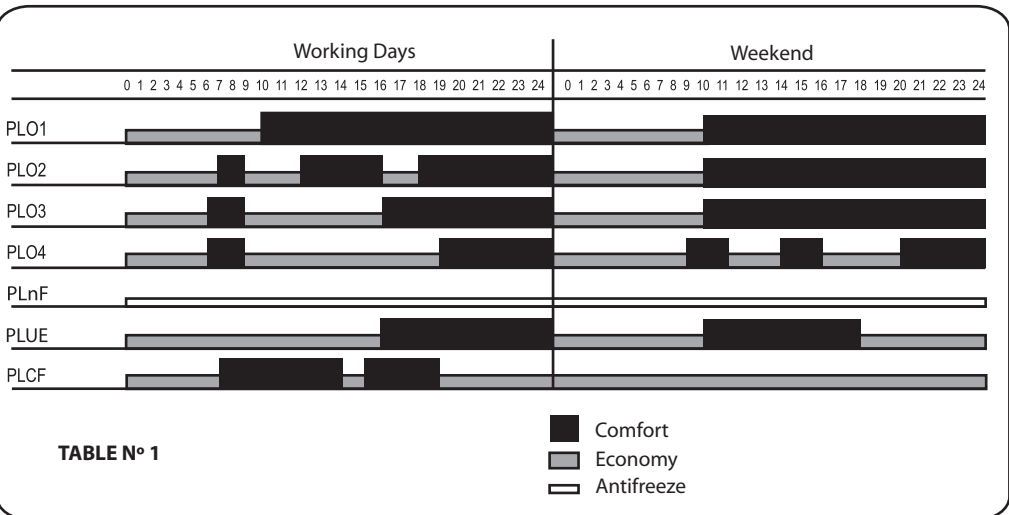
6

17.5 °C 

The actual room temperature will appear again. The heater will start heating up till it reaches the marked temperature, in this case 22 °C.

### 5.3 PROGRAMMING MODE

The heater is programmed with 7 plans during its manufacture which can be adapted to most of the heating situations that you may need. The 7 plans are described below in the table n° 1.



The Plan nF is programmed for periods when you are away from your home during long periods of time and would like to protect it against freezing. The green economy LED will flash.

The UE Plan is a heating plan desired for weekends. With this plan the heater will work from monday to thursday in the antifreeze position. In the period from friday to sunday you can configure a programme according to your needs.

**1**

Press 2 seg.:

PROG

**2**

Hour

You can change the language (english, french, spanish) pressing:

**3**

Press:

OK

**4**

Programming the hour.

:00:00

Press  or Press **OK****5**

Programming the minutes.

23:00

Press  or Press **OK****6**

dAY

Press **OK****7**

Programme the day of the week.

dd Mo

Press  or Press **OK****8**

t°C



Press

**OK****9**

Mark the desired comfort temperature.

22.0 °C

Press  or Press **OK****10**

t° E



Press

**OK****11**

Mark the desired economy temperature.

18.0 °C

Press  or Press **OK**

**12****PLAN**Press **OK****13****PL 01**

Choose the programme or plan you desire.

Press  or Press **OK****14**

Press

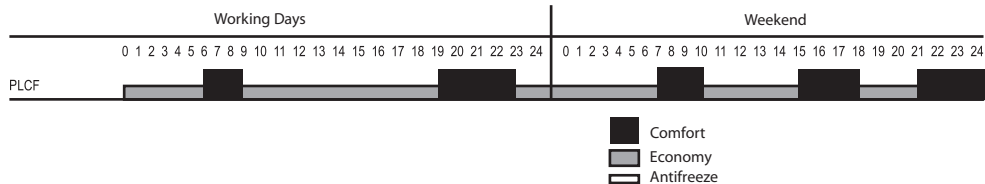
**PROG**

to put into action this plan.

## 5.4 PLAN ACCORDING TO YOUR REQUIREMENTS

If none of the 7 programmes correspond to your heating needs, we are going to explain how you can configure your own heating system plan.

### Example

**1**

Press 2 seg.

**PROG****2****Hour**

Press

**3****PLAN**

Press

**OK**



4

Choose the programme PLCF.

PL CF

Press  or 

5

Press






**OK**

6

Now we are going to introduce the start of the first comfort period from monday to friday. The comfort first period P1 and days monday to friday leds will light up. In our case, the first comfort period starts at 6:00 h.

7

Choose 06:00 h.

P1	P2	P3	L	S
				

Press  or 

06:00

8

Press

**OK**

9






Now we are going to introduce the start of the first economy period from monday to friday. The economy, first period P1 and days monday to friday leds will light up. In our case, the first economy period starts at 9:00 h.

10



Choose 09:00 h.



Press  or 

P1 P2 P3 L V S D

**09:00**

Press **OK**

11

Now we are going to programme period P2 and period P3.






12

Choose 14:00 h.



Press  or 



Press **OK**

P1 P2 P3 L V S D

**14:00**






13

Choose 18:00 h.



Press  or 



Press **OK**

P1 P2 P3 L V S D

**18:00**






14

Choose 20:00 h.



Press  or 



Press **OK**

P1 P2 P3 L V S D

**20:00**






15

Choose 24:00 h.



Press  or 



Press **OK**

P1 P2 P3 L V S D

**24:00**

16

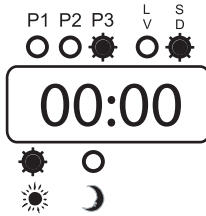
Now if you wish, you can programme the period regarding saturday and sunday.

When you finish programming, press the button "PROG". The room temperature will appear on the display. You have just designed a heating system plan.

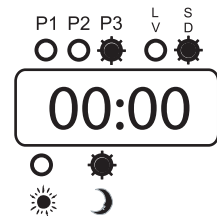


## IMPORTANT

If you do not require a set time period, you must put the hour of this period at "00:00".



Press **OK**



As you can see, we have not defined a third period between Saturday and Sunday.

## 6 SWITCHING OFF THE DISPLAY

To switch off the display press the button:



If you wish to illuminate the display again, press any search button:



## IMPORTANT

This option is cancelled when the heater is programmed in the anti-freeze plan "PLAH".

## 7 LOCKING THE CONTROLS

- To activate the function of locking the controls, touch simultaneously the keys (**Fig. 1**):
- To deactivate the function of locking the controls, touch simultaneously the keys (**Fig. 2**):





FIG. 1



FIG. 2


## 8 STANDBY MODE

Press: 	 ● = "Stand-by"	This mode will maintain all the program parameters.
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## 9 DISCONNECTING THE ELECTRICAL SUPPLY FROM THE HEATER

If the switch-off time exceeds **24 hours**, the current date and time will have to be re-programmed (**PAG. 9**).

## 10 POWER CONSUMPTION INDICATION

<b>1</b> Press 3 seg. PROG	<b>2</b> Hour Press 	<b>3</b> WAt Press <b>OK</b>
<b>4</b> The approximate consumption in KW will be indicated, for example 3.3 KW	003.3	<b>5</b> Press <b>OK</b>

### NOTE

If you wish to reset the counter, repeat steps 1 - 4 and press 3 seg. the key: 

The counter will reboot automatically every 30 days.







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Vent-Axia guarantees its products for two years from date of purchase against faulty material or workmanship. In the event of any part being found to be defective, the product will be repaired, or at the Company's option replaced, without charge, provided that the product:-

- Has been installed and used in accordance with the instructions given with each unit.
- Has not been connected to an unsuitable electricity supply. (The correct electricity supply voltage is shown on the product rating label attached to the unit).
- Has not been subjected to misuse, neglect or damage.
- Has not been modified or repaired by any person not authorised by the company.

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