

ELECTRICAL HEATER TESSLA ULTRA

OPERATING AND INSTALLATION INSTRUCTIONS



TESLA Ultra

TESLA ULTRA 04 – 660 W

TESLA ULTRA 06 – 1000 W

TESLA ULTRA 08 – 1330 W


TESLA ULTRA 10 – 1650 W

TESLA ULTRA 12 – 2000 W

WARNING

Please read these instructions carefully and keep them in a safe place for future reference.

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USER INSTRUCTIONS

GENERAL INFORMATION

Thank you for purchasing this TESSLA DRY electrical heater. It has been manufactured following a modern assembly-line production method. It is notable for its elegantly curved shape, its ease of use, its powerful heating capacity and its safe use and operation.

It has been designed and manufactured in accordance with the requirements for domestic appliances following EN60335-1, EN60335-2-30 and EN55014 Standards.

An electrical heater runs on electrical power, converting it into heat, which is transmitted to the area to be heated according to its heating requirements.

An electrical heater of the appropriate size will produce sufficient heat to heat the area in which it is located to your entire satisfaction. A well-insulated home will naturally offer significant advantages in terms of energy savings and reducing your heating bills.

Once your heating system has been installed, you will wish to make sure the heat remains inside your home. This is why home insulation is so important.

As well as adding value to your home, insulation will prevent the heat – and your money – escaping through the doors, roof, outside walls, windows, etc. Therefore, it is a good idea to insulate your roof and walls, fix weather strips around the windows or to replace single glazed windows with double-glazing to keep the cold out and the heat in. Additionally, a well-insulated home is cooler in the summer.

DO NOT COVER the surface of the heater as it will be hot. DO NOT PLACE inflammable objects or anything that may catch fire close to or on top of the heaters. For this reason, do not place items of clothing, towels, magazines, spray cans or volatile substances or objects closer than 25cm to the heater.

KEYBOARD AND DISPLAY DESCRIPTION



Increase temperature and scroll up on menus



Decrease temperature and scroll down on menus



Touch / Accept / Back (long press)



1. TIME.
2. ACTIVATED PROGRAMMES.
3. DAY OF THE WEEK.
4. ROOM TEMPERATURE.
5. DESIRED TEMPERATURE.

HOW TO SET THE CLOCK:

1. Press the key.
2. Press the key ONCE, which will make the “▶” indicator position itself in front of “Configuration”
3. Press the key.
4. The “▶” indicator will now be positioned in front of “Time”. Press the key again.
5. Press the and keys to enter the correct day of the week.
6. Press the key.
7. Press the and keys to enter the correct hour setting.
8. Press the key.
9. Press the and keys to enter the correct minute setting.
10. Press the key.

CHANGE TEMPERATURE:

To raise or lower the room temperature simply press buttons or until the temperature indicator displays the desired temperature level. The Farho heater will automatically adjust the heat emission efficiently until reaching the temperature level set.







HOW TO KNOW IF THE HEATER IS CONSUMING OR NOT:










If the heater is consuming, the pre-set temperature indicator on the display will flicker. If it is not flickering, the heater is in the idle mode.


HOW TO ACTIVATE AND DEACTIVATE PROGRAMS:

TO ACTIVATE PROGRAMS:

- 1.** Press the  key.
- 2.** The "▶" indicator will position itself in front of "Programs". Press the  key.
- 3.** The "▶" indicator will position itself in front of "Active". Press the  key.
- 4.** The text "Prog: Off" will be displayed. Press  or  to change the text to "Prog: On" and then press . The programmes have now been activated.











TO DEACTIVATE PROGRAMS:

- 1.** Press the  key.
- 2.** The "▶" indicator will position itself in front of "Programs". Press the  key.
- 3.** The "▶" indicator will position itself in front of "Active". Press the  key.
- 4.** The text "Prog: On" will be displayed. Press  or  to change the text to "Prog: Off" and then press . The programmes  have now been deactivated.

When programs have been activated, the symbol  will come up on the display screen.


























HOW TO DISPLAY THE MEMORISED PROGRAMS:

If you wish to see what programs have been memorised, you can display them at any given time as follows:



- 1.** Press the  key.
- 2.** The "▶" indicator will position itself in front of "Programs". Press the  key.
- 3.** The "▶" indicator will position itself in front of "Active". Press the  key once to position the "▶" indicator in front of "See", and then press .
- 4.** The "▶" indicator will position itself in front of "Mon". Press the  and  keys to position the "▶" indicator in front of the day of the week for which you wish to display the stored program, and then press .
- 5.** Scroll up and down using the  and  keys to see the stored program.
(Remember that you can press the  key at any time to go back to step 4 and choose a different day of the week to display its program.)







CUSTOMISE PROGRAMS:

This model enables you to customise, in a centralised fashion, operating programmes of radiators so that these meet your heating needs. You can customise programs for every day of the week up to six operating time slots.









1. Press the  key.
2. The "▶" indicator will position itself in front of "Programs". Press the  key.
3. Press the  key twice. The "▶" indicator will position itself in front of "Edit".
4. Press the  key.
5. Press the  and  keys in order to scroll up and down the list of the days of the week. In front of each day an empty square is displayed.
6. Upon having the "▶" indicator positioned in front of a day of the week which program you wish to edit, you can select it by pressing . This will cause a cross to appear on within the square, indicating this day is selected for editing. You can select multiple days for which you want the same program to apply.
7. Once you are satisfied that you have selected all the days for which you want the same program to apply and no others, you can scroll back to the start of the list, by pressing  until the "▶" indicator is positioned in front of .
8. Press  to go into programming mode.
9. Press  once to set the start time of the first slot to "00:00" (Note: it is strongly advised that all programs start at "00:00" and end at "00:00").
10. Press  twice.
11. Press  and  to set the desired ending hour for the first program slot, and then press .
12. Press  and  to set the desired ending minute for the first program slot, and then press .
13. Press  and  to set the desired temperature for the first programming block, and then press .
14. Repeat steps 10 – 13 until you reach "00:00" as an ending time for your programming block (Reminder: maximum 6 programming blocks available).
15. If you have programmed less than 6 blocks in total, you need to press  and  keys until "--:--" is displayed as a starting time for the next block, and then press . This will cause the programs editor to close and the program to be stored. If you press and hold  to exit the programs editor, no changes will be stored.

**HOW TO ENABLE OR DISABLE OPEN WINDOW DETECTION FUNCTION:
TO ENABLE OPEN WINDOW DETECTION:**

1. Press the  key. The "▶" indicator will position itself in front of "Programs".
2. Press the  key once to position the "▶" indicator in front of "Configuration".









- 3.** Press the  key. The " ► " indicator will position itself in front of "Time".
- 4.** Press the  key once to position the " ► " indicator in front of "Window sensor".
- 5.** Press the  key.
- 6.** The text "Wind: Off" will be displayed. Press  or  to change the text to "Wind: On".
- 7.** Press . The Open Window Detection function will now be enabled.

TO DISABLE OPEN WINDOW DETECTION:












- 1.** Press the  key. The " ► " indicator will position itself in front of "Programs".
- 2.** Press the  key once to position the " ► " indicator in front of "Configuration".
- 3.** Press the  key. The " ► " indicator will position itself in front of "Time".
- 4.** Press the  key once to position the " ► " indicator in front of "Window sensor".
- 5.** Press the  key.
- 6.** The text "Wind: On" will be displayed. Press  or  to change the text to "Wind: Off".
- 7.** Press . The Open Window Detection function will now be disabled.

HOW TO ENTER A TEMPERATURE OFFSET

This heater allows the user to manually enter a temperature offset for the temperature probe. This is useful when the heater is located in a particularly exposed or particularly sheltered location, to correct the temperature reading relative to another relevant location within the same space.











- 1.** Press the  key.
- 2.** The " ► " indicator will position itself in front of "Programs". Press  key to position the " ► " indicator in front of "Configuration".
- 3.** Press the  key.
- 4.** The " ► " indicator will position itself in front of "Time". Press the  key twice to position it in front of "Offset".
- 5.** Press the  key.
- 6.** The text "Offset: 0°C" will be displayed. Press  and  keys to display the offset you wish to apply (Note: this offset can be positive or negative, and is added to the temperature value obtained by the probe. If you select +5°C, a probe reading of 15°C will be displayed as 20°C, conversely, if you select -5°C, a probe reading of 15°C will be displayed as 10°C).
- 7.** Once you are satisfied that the displayed value is the one you wish to apply, press the  key. After a few seconds the corrected temperature will be displayed and the heater will use it to turn on or off.

HOW TO CHANGE THE LANGUAGE:

- 1.** Press the  key.
- 2.** Press the  key once, this will make the “  ” indicator to position in front of “Configuration”.
- 3.** Press the  key.
- 4.** Press the  key three times, the “  ” indicator will position in front of “Lagnguages”.
- 5.** Press the  key.
- 6.** Press the  &  keys to select the desired language (English, Spanish, Italian, French, Portuguese or German)
- 7.** Press the  key. The heater will memorize the chosen language.
- 8.** Keep the  key pressed to go back to the previous menu.
- 9.** Repeat step 8 again to go back to the main menu.

HOW TO RESET A HEATER:

NOTE: If you reset the TESSLA ULTRA heater, all of the customised programmes that you may have stored in the memory will be deleted, as well as time and day of the week settings. Any programs that have been configured by the user will be replaced by a standard program.

- 1.** Press the  key.
- 2.** Press the  key once, Which will make the “  ” indicator position itself in front of “Config”.
- 3.** Press the  key.
- 4.** Press the  key four times, which will make the “  ” indicator position itself in front of “Reset”.
- 5.** Press the  key.
- 6.** The text “Sure: No” will be displayed. Press  or  to change the text to “Sure: Yes”.
- 7.** Press  . The Heater will now be reset.

INSTALLATION INSTRUCTIONS

POWER SUPPLY

The TESSLA heater runs on a 230 V power supply.

This model is supplied with a three-wire plug and a lead measuring 1.50 mm across and approximately 1m long.

Do not plug in the unit until it is fixed onto the brackets that will have already been securely attached to the wall (see the installation instructions in the **Installation** section of this manual).

POSITION

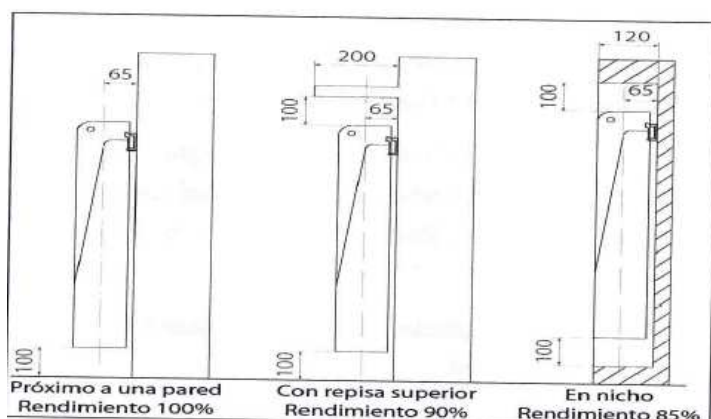
Ideally the TESSLA electrical heater should be placed as close as possible to the wall where most heat loss occurs. We do not recommend installing the units on non-insulated outside walls. If necessary the insulation on the surface next to the heater should be reinforced.

In the bathroom the heaters should not be installed inside the protective exclusion zone (1m horizontally from the edge of the bathtub and 2.25m vertically from the base of the tub).

Under no circumstances should a heater be installed underneath an electrical socket.

A minimum distance of 100 mm must be maintained between the sides of the TESSLA heaters and furniture, curtains, etc.

When deciding where to position the heater, please observe the minimum distances indicated in the diagram below.

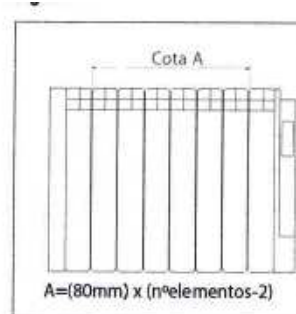
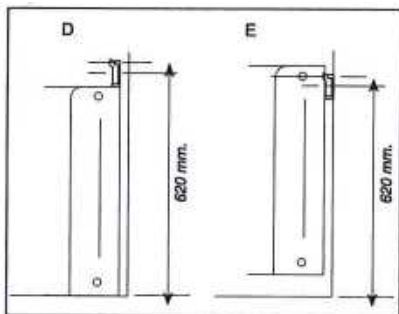


INSTALLATION

The upper edge of the TESSLA heater should be mechanically fixed to the wall using the specially designed brackets, which are supplied with the unit.

The distance between the corners of the support brackets (Distance A) should be as indicated in the following table and the distance from the ground (Distance B) should be 600 mm.

Position of the Support Brackets for TESSLA DRY models	
Models	Distance A mm
ULTRA - 04	160
ULTRA - 06	320
ULTRA - 08	480
ULTRA - 10	640
ULTRA - 12	800



TECHNICAL DATASHEET

Model	Power (W)	Measurements width x depth x height (mm.)	Weight (Kg.)	No. Elements
TESSLA DRY				
ULTRA - 04	660	415X575X98	9	4
ULTRA - 06	1000	575X575X98	13.1	6
ULTRA - 08	1330	735X575X98	17.5	8
ULTRA - 10	1650	895X575X98	21.8	10
ULTRA - 12	2000	1055X575X98	26.2	12

CORRECT USE OF THE HEATER

- The comfort temperature varies on each person, and even depends on their physical activity. However, it is usually considered that a temperature of 21°C is the most suitable indoors. Indicatively, each degree Celsius above 21°C can represent an increase in energy consumption up to 7%.
- The fact of raising the setpoint temperature does not mean that the comfort temperature is reached more quickly, so it is advisable to choose a temperature close to 21°C and wait for the radiator to warm the room up.
- Use it when it is really necessary. With the heater programming help, it can be switched on as long as convenient, without excess.



PRODUCT LIFETIME

When we want to get rid of the heater, we will have to take it to a clean point, since it contains oil that can be harmful to the environment.





FARHO S.L.U.

Polígono Industrial Tabaza II Parcelas 9-13

33439 Carreño, Asturias, ESPAÑA

Tel. 985-514-082 Fax 985 514 164

XP	<input type="checkbox"/>	AN	<input type="checkbox"/>	NOVA	<input type="checkbox"/>	Nº SERIE:	<input type="text"/>
LST	<input type="checkbox"/>	LPA	<input type="checkbox"/>	NOVA LT	<input type="checkbox"/>	W:	<input type="text"/>
OTRO	<input type="checkbox"/>	LPD	<input type="checkbox"/>	NOVA CR	<input type="checkbox"/>	A:	<input type="text"/>
				NOVA LT C	<input type="checkbox"/>	Tensión 220/230V 50/60Hz	
DISTRIBUIDOR: <input type="text"/>							
FECHA DE COMPRA: <input type="text"/>							
INSTALADOR: <input type="text"/>							
NOMBRE: <input type="text"/>							
DOMICILIO: <input type="text"/>							
TELÉFONO: <input type="text"/> EMAIL: <input type="text"/>							
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FECHA PUESTA EN MARCHA: <input type="text"/>							
NÚMERO Y SELLO DEL INSTALADOR:							