

Slim Star 1500 & 1800

The most efficient Electric
radiators in the UK

Installation & Operation Manual

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When using the radiator, follow only the instructions found in this manual. Keep this instruction manual for the entire life of the product, for any further consultation.

It's strictly forbidden to use other kind of information that are not included in the following sheet and supplied manual, both of them have to be preserved during the use of the radiator to solve any doubts about it.

The radiator must not be used by people (children included) whose physical, sensorial or mental skills are reduced or lack of experience, knowledge, unless they have taken benefit from, through a person responsible of their safety, surveillance or instructions concerning the the use of the radiator. Children must be supervised in order **they don't** play with the radiator.

The radiator must be installed in accordance with I.E.E. regulations, the control panels can not be used or touched from a person inside the shower or bathtub, and must not be installed immediately under a power plug.

In the power distribution network, in accordance with the installation rules, must be provided a omnipolar switch which assures complete interruption of current in conditions of overvoltage category III.

For the connections without the plug assembled by the manufacturer , please address to a qualified professional. Please respect the colors of the cables for the connection.

The radiator has been conceived to heat a room. It must not be adopted for other uses.

It is dangerous to **modify** or to alter in any way the radiator characteristics.

Leave at **least 50 cm of space** between the radiator and **any** inflammable objects.

If the electrical cord is damaged, it must be replaced by the manufacturer or an authorized service assistant in order to avert any risk.

Do not use the radiator if the control panel (display) is damaged; in case of technical problems , contact your retailer, distributor or installer.

Do not lean against or climb on the radiator and do not touch the radiator with wet or damp hands and feet, it is dangerous for your safety.

Do not insert or place any item inside the radiator.

The materials used for the packaging of the radiator are recyclable. It is recommended to dispose these materials in the **appropriate** disposal unit.

Safety precaution: before and during the installation, make sure that the radiator is not connected to the electricity supply. The radiator must be installed vertically.

This radiator is double insulated class II, appliance therefore can be installed in all rooms including zones 2 and 3 of a bathroom, sheltered from any contact with water (see fig. 1). In full compliance with existing regulations in France (NF C15-100), the radiator must be positioned in such a way so as the control panel is out of reach from anyone in the bathtub or shower.

The radiator can not be installed above a power point and must be positioned at least 15 cm from any side obstacle (shelves, furniture, etc...).

The radiator must be positioned at least at a frontal distance of 50 cm from any objects or furniture.

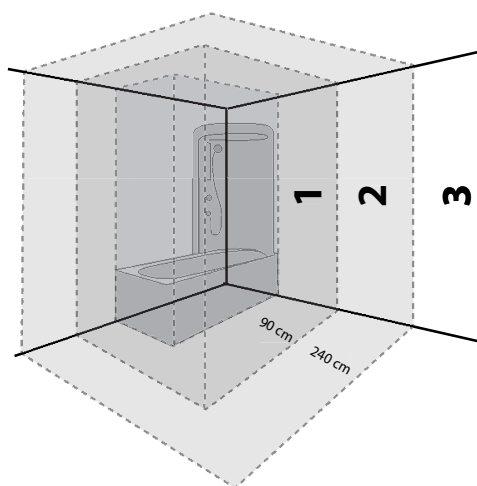


Fig. 1

CORRECT POSITIONING OF THE RADIATOR

Unpack the radiator and place it carefully on the ground, using the polystyrene as protection. Make sure that the radiator and its power cable have not been damaged during transportation.

Do not use the radiator if it's damaged.

During the installation ensure that the radiator is not plugged in. Ensure that the home voltage corresponds to the Voltage indicated on the radiator (220V – 240V). For easy installation, your radiator is equipped with an installation kit containing 4 brackets, 8 screws, 8 plastic screw anchors.

1. Drill the 8 holes (Fig.2) with a diameter of 6 mm and minimum depth of 5 cm. Insert the plastic screw anchors into the holes.
2. Fix the upper and lower brackets at the wall, using the given screws. In this phase do not tighten up completely the lower brackets.

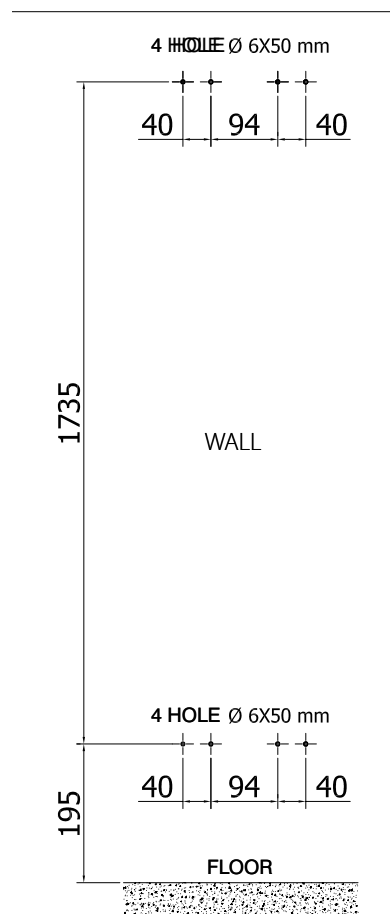


Fig. 2

3. Position the radiator and rest it on the upper brackets verifying the stability and correspondance to the floor (fig.3)
4. Block the radiator shifting the lower brackets towards the low until the contact with the hub and fix the screws to it (fig.4).

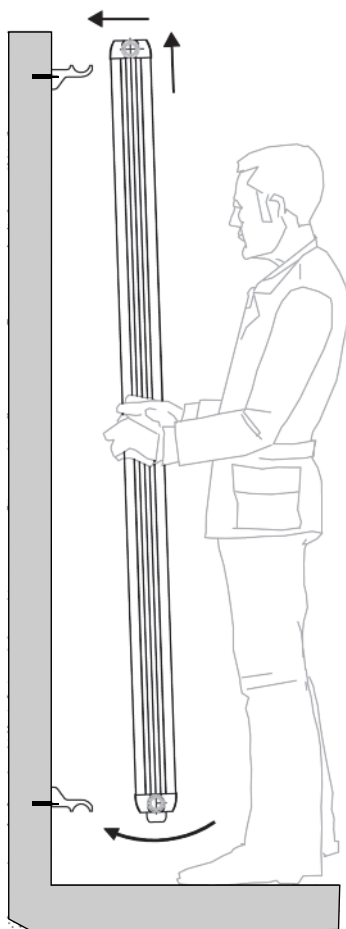


Fig. 3

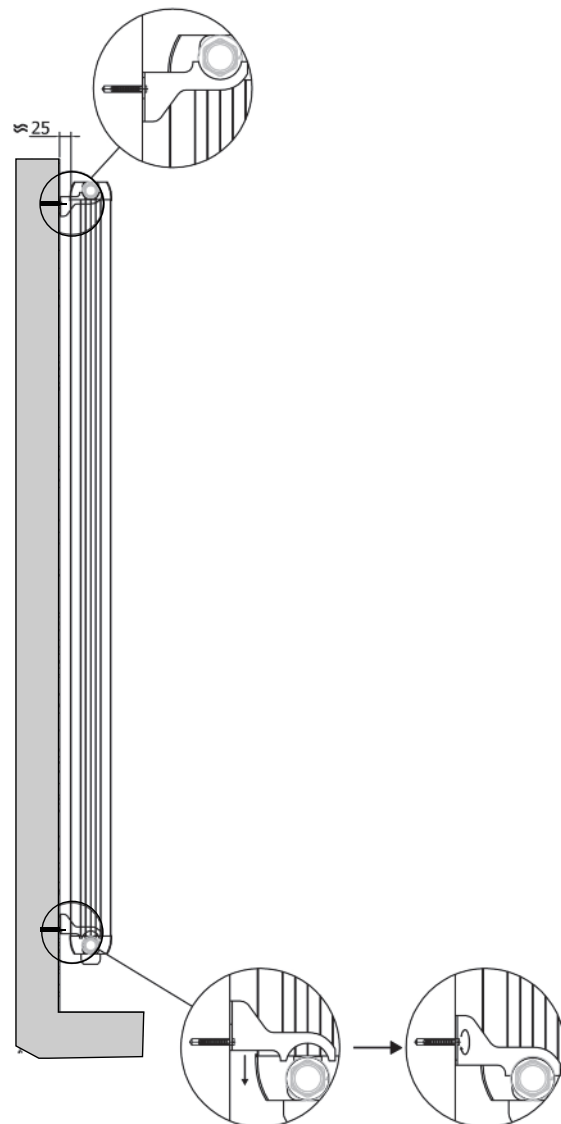


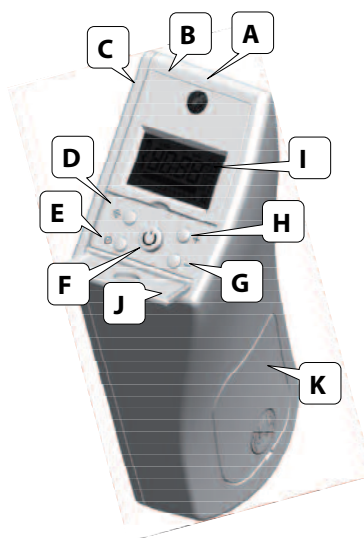
Fig. 4

INSTRUCTIONS FOR UNINSTALLING THE RADIATOR

Safety precaution: before uninstalling the radiator, make sure the radiator is not connected to the electricity supply.

Unloose the screws from the lower brackets and take out the radiator from the brackets.

- | | |
|--------------------|---------------------|
| A -- IR Window | B -- Top Cover |
| C -- Bottom Cover | D -- Mode Key |
| E -- Clock Key | F -- Standby Key |
| G -- Decrease Key | H -- Increase Key |
| I -- Display | J -- Operation Door |
| K -- Assembly Door | |



POWER ON THE RADIATOR

To start the radiator, plug the radiator in.

WORKING MODES



Pilot Wire Mode: Heater is controlled by pilot wire



Stand-by Mode: Heater is off.



Comfort Mode: Heater is maintaining room temperature set by the user, range 7-32 °C.



Night Mode: Heater is maintaining room temperature 3.5 °C lower than comfort temperature.



Frost Protection Mode: Heater is maintaining room temperature 7 °C.



Timer Mode: Heater is controlled by time program set by the user.



2 Hours Boost: Heater is ON for 2 hours.

INSTRUCTION THROUGH REMOTE CONTROL

The radiator and the control unit can be connected through the remote control (black cable). In this configuration the control unit can activate controller modes.

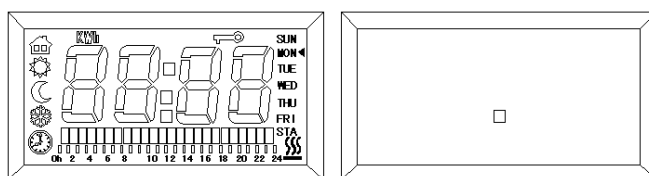
The radiator functioning by means of the remote control is possible only on the Auto mode (☐). In other modes (i.e. Comfort, Night, etc) the signals from the remote control are not received.

The commands by remote control always have the priority over the manual setting used on each single radiator.

Standby Mode - Push on Power Switch, the 1st mode showing on Display is Standby with a " ." in the central of Display.

Initial

Standby

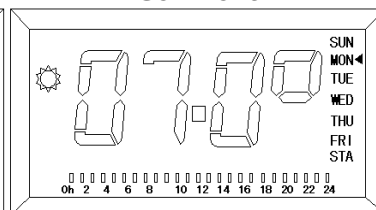
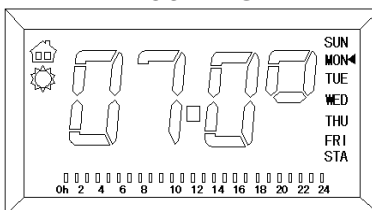
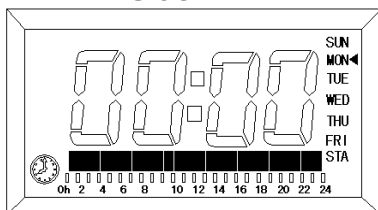


Mode Change - Push Mode key to change Mode setting (Timer- Pilot Wire - Comfort- Night- Frost Protection- 2H- Standby).

Clock

Pilot Wire

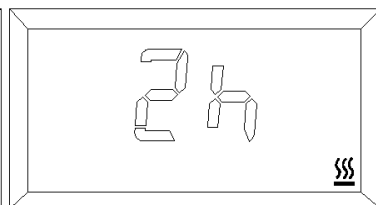
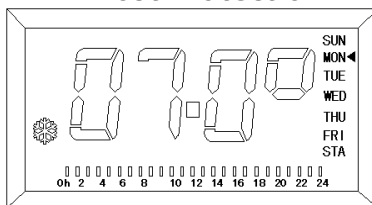
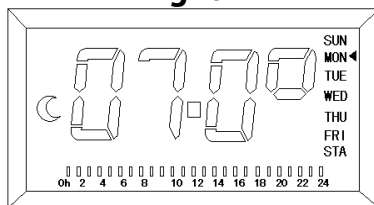
Comfort



Night

Frost Protection

2H

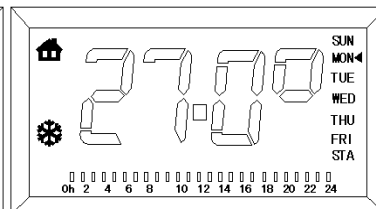
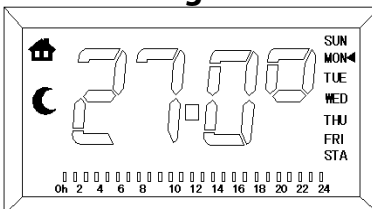
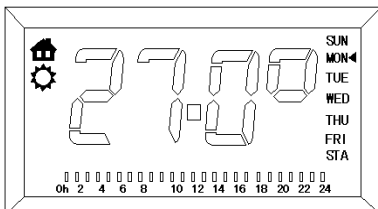


Pilot Wire mode can be selected with 6 controllers modes:

Comfort

Night

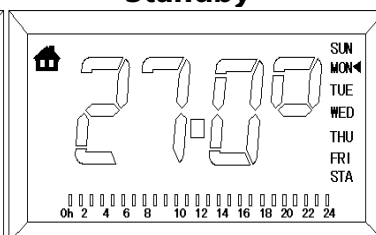
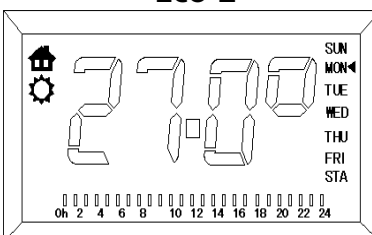
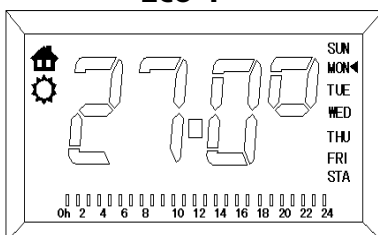
Frost Protection



Eco-1

Eco-2

Standby



1. Standby Mode

Heater is off.

2. Comfort Mode

Heater is maintaining room temperature set by the user, range 7-32 °C.

3. Night Mode

Heater is maintaining room temperature 3.5 °C lower than comfort temperature.

4. Frost Protection Mode

Heater Maintains room temperature at 7 °C.

5. Eco-1

Heater is maintaining room temperature 1°C lower than comfort temperature.

6. Eco-2

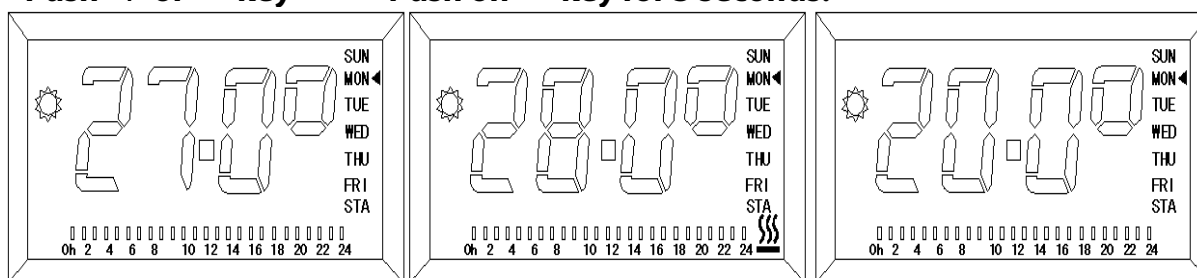
Heater is maintaining room temperature 2°C lower than comfort temperature.

Comfort Temperature Setting

Push Mode key to enter into Comfort mode, then press the "+" or "-" key to adjust the temperature. Push on either "+" or "-" key for 5 seconds, the temperature could be changed fast and continuous.

Push "+" or "-" key

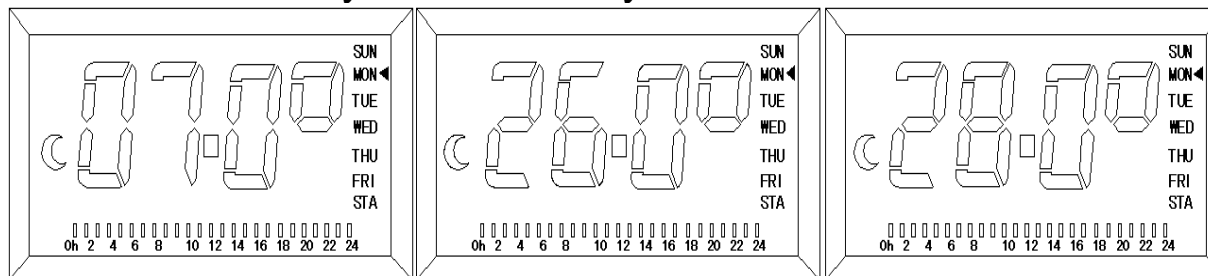
Push on "-" key for 5 seconds.



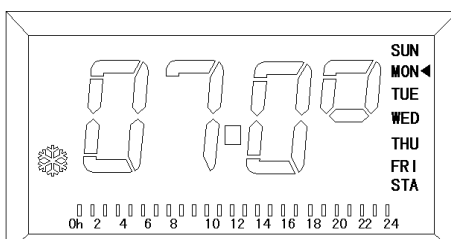
Night Temperature Setting

Temperature setting on Night mode could be adjusted as the way of Comfort mode. Default temperature is less than 3.5°C of Comfort.

Push either "+" or "-" key. Push on "+" key for 5 seconds.

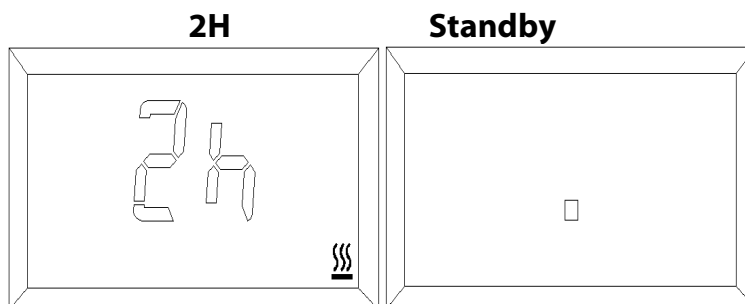


Frost Protection: Heater is maintaining room temp 7°C



2H Boost

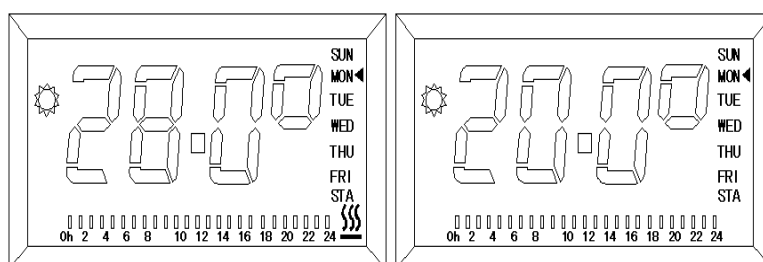
Forced heating boost for two hours. Entering into Standby automatically after the heating up process is completed.



Heating Up Mechanism

When the room temperature is 0.5°C lower than setting temperature, the device starts to heat up. And symbol "☰" appeared on Display. When the room temperature is 0.5°C higher than the setting temperature, the device stops heating up. And symbol "☰" disappears.

DAILY TEMPERATURE PROGRAMMING

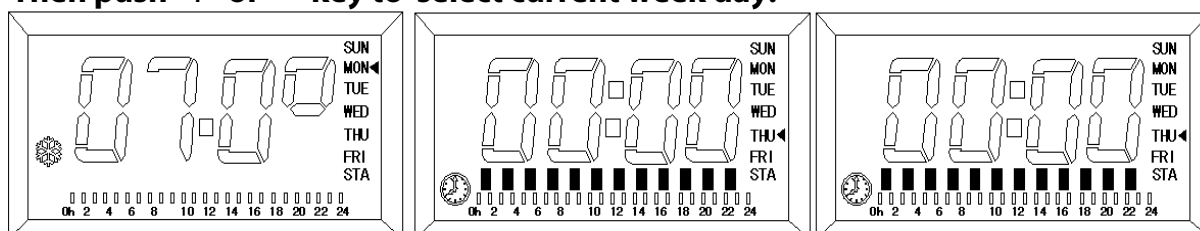


Time & Date Setting

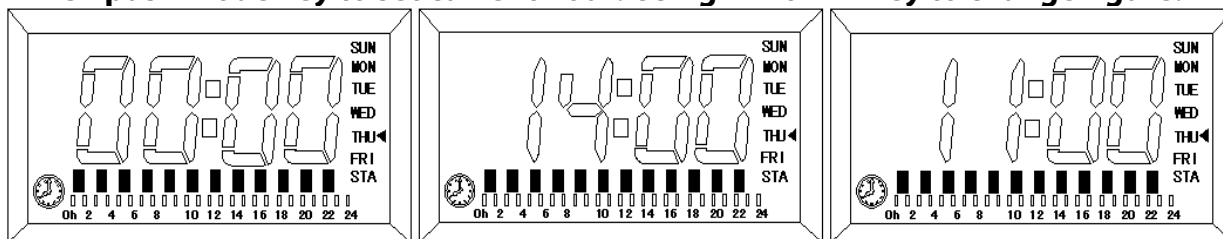
Timer mode can be used to program the working mode based on daily/hourly setting. You could select either Comfort or Night mode to be the working mode for a dedicated hour.

First set Date and Time. Entering into Clock mode, then push either "+" or "-" key to select a week day. Push Mode key to enter the selection of Hour, Use "+" and "-" key to change Hour setting. Push "mode" key again to set the current minutes. Pushing "+" and "-" key to set the current minutes. If you push Mode key whiling entering into Timer mode, the temperature programming can be started by pushing either "+" or "-" key for selecting working mode(Comfort/Night). Pushing Mode key again to jump into next Hourly working mode setting until you completed all the week. Push on "⌚" key to enter into Clock mode.

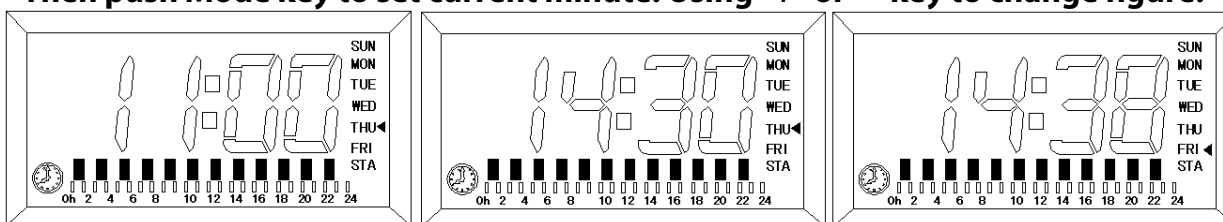
Then push "+" or "-" key to select current week day.



Then push Mode key to set current hour. Using "+" or "-" key to change figure.

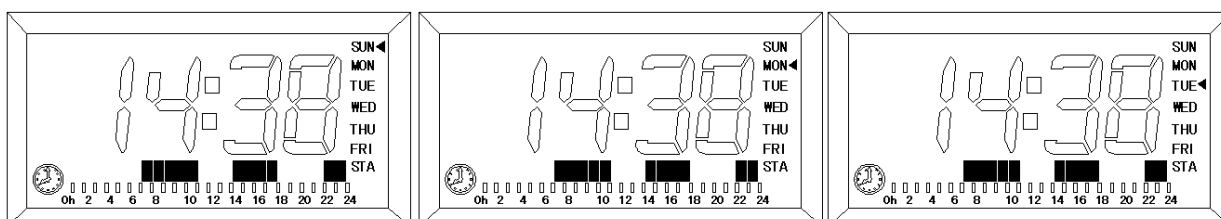


Then push Mode key to set current minute. Using "+" or "-" key to change figure.



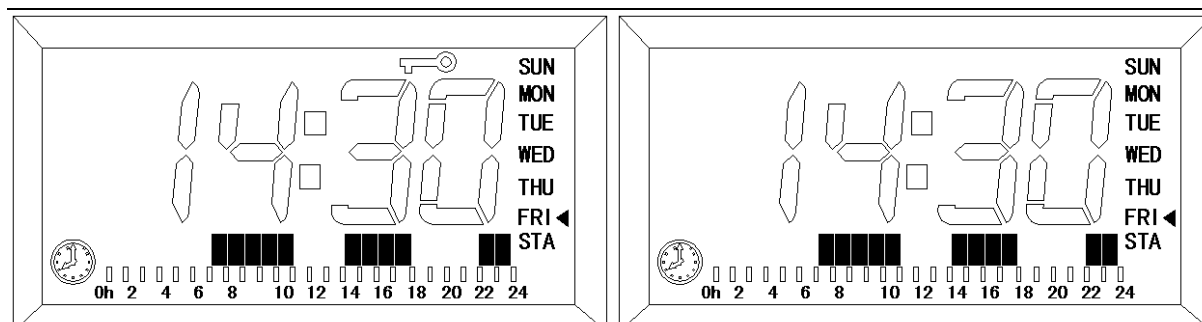
Temperature Programming

Push Mode key in Clock mode to program working mode for each Hour. Use "+" or "-" key for selecting working mode(Comfort or Night). Use Mode key to jump into next Hourly setting until you. Completed whole week programming.



Button lock

Push Mode and "+" key at same time for 3 seconds, symbol "⏏" appears on display and the function of all buttons will be locked. Push Mode and "+" key at same time for 3 seconds again, this will unlock all functional keys and symbol "⏏" disappears.



In order to maintain the correct radiator functioning and performance as guaranteed by the manufacturer, it is advised to regularly check the airflows inside the radiator, they have to be free from any kind of object or material not part of the radiator itself.

Don't use alcohol, solvents or any abrasive materials.

The manufacturer guarantees the radiator, in compliance with the European Directive 1999/44/CE.

The body of the radiator is guaranteed for 15 years, electrical and electronic parts (including accessories connected to these) are guaranteed for 2 years.

The warranty gives the client the right to the repair of the defective product or its replacement, in the case that the radiator can not be repaired, on the discretion of the manufacturer.

The warranty is valid only if:

- Installation standards as well as warnings and recommendations found in this manual are respected.
- There are manufacturing defects when the product is sold, noted within 2 years from the purchase date.

The warranty is not valid if:

- There are defects caused by uses of the product other than those specified in the Warnings and Recommendations contained in the instruction manual.
- There are evident defects caused by accidental breakage or negligence.
- The radiator has been repaired or damaged by non-authorized personnel.
- The radiator has been damaged during the transport.
- The radiator has not been connected properly to the power supply.
- The radiator has been opened and the elements have been separated.

The manufacturer declines all responsibility for any damage to persons, animals or objects, caused directly or indirectly as a consequence of not following the instructions indicated in this manual and also to the indications that concern the installation and placement of the radiator.

To require the warranty, the Client has to contact the distributor or the installer and the Client needs to show the sale receipt given by the retailer and where it is possible to see the purchase date of the radiator.

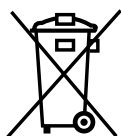
Instructions for proper disposal of the product in compliance with the European Directive 2002/96/EC.

If the radiator is no longer in use, it cannot be thrown away with domestic waste, but it must be disposed in a specific recycling centre for the disposal of electric and electronic devices (RAEE) or returned to the retailer to be replaced with a new one

For information concerning these recycling centres, **please** contact your local council.

Supporting the sorted waste collection of electric products helps to protect the environment and health. Moreover it helps to salvage the materials that compose the radiator, saving energy and natural resources.

The symbol below represents a trash container not to be used for such disposal.



POSSIBLE PROBLEMS

The radiator doesn't heat:

verify that the temperature set up is higher than the room temperature and that the radiator has not been positioned next to other sources of heat. Make sure that the radiator has power.

The radiator keeps heating:

verify that the radiator has not been positioned in a cold blast or that the thermostat setting has not been changed.

TECHNICAL CHARACTERISTICS

- Voltage: 220 – 240 V ~ 50 Hz
- Safety: compatible with Class II in compliance with EN60335-1, EN60335-2-30
- Environment: IP 24
- Storage temperature: -20 a +50°C
- Electronic regulation proportionally integral.
- Power outlet: TRIAC ordered at 0 power, commutable power.

Slim Star 1500 & 1800

The most efficient Electric radiators in the UK



- ISO 9001
Quality Management
- PED
Pressure Equipment Directive
Module B, D1 & D (up to Risk Cat. IV)



- ACS
Attestation de Conformité Sanitaire



- WRAS
EPDMprx gasket compound approved



- OHSAS 18001
Occupational Health and Safety



- ISO 14001
Environmental Management

MADE IN ITALY



AEL

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e-mail: sales@aelheating.com

AEL reserve the right to alter designs and specifications without prior notice



European Standard EN442 was brought into force to define "heat measurement sampling" for hot water radiators in all European countries, a positive step forward to ensuring radiators tested and approved will provide the stated heat output required and also give a guarantee that the product will be fit for purpose. **EN442** provides a guarantee that the stated output of radiators from reputable manufacturers is correct and highlights and deters the use of poor quality untested radiators in European installations.

Plate Heat Exchanger Packages	Gas fired Condensing Boilers	Cast Iron Sectional Boilers	High Output Tubular Aluminium Steel Radiators	Designer Bathroom Radiators	Corgi Approved Engineers
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