Electrorad®

Advanced Heating Technology

INSTALLATION AND USER MANUAL

VAN 000 6 101 V00

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A. Presentation

First of all, we would like to thank you for having bought this product, we are confident that this will provide you with many years of use with full satisfaction. Before installing the heater, please read the following instructions carefully.

The company is not responsible for any damage or problems resulting from incorrect installation. Once your heater is up and running, please store this booklet in a safe place for future reference.

Recycling

When you no longer need this heater, please follow the European Directive 2002/96/CE as regards its disposal. This heater cannot be put out as normal rubbish. It must either be taken to a special tip or to a distributor offering to dispose for you. Recycling electrical appliances separately allows component parts to be re-used and limits the damage to the environment that would otherwise occur. Recycling saves power and resources. To encourage this, the heater bears a symbol showing it cannot be put into a normal bin. For further information, get in touch with your local council, or the supplier who you purchased this product.

Very Important!

It is possible that the radiator may make slight sounds during the first days of operation. This is quite normal in dry radiators and can occur when the aluminium elements expand and contract. Please note there is no danger to the user.

Children under 3 years old should be kept out of reach of the appliance unless they are constantly supervised. Children under 8 must only turn on / off the device provided in normal position and only if they have received instruction concerning use of the equipment in a safe way and understand the risks.

Caution: some parts of this product may become very hot and cause burns. Please take special care when children and vulnerable people are present.

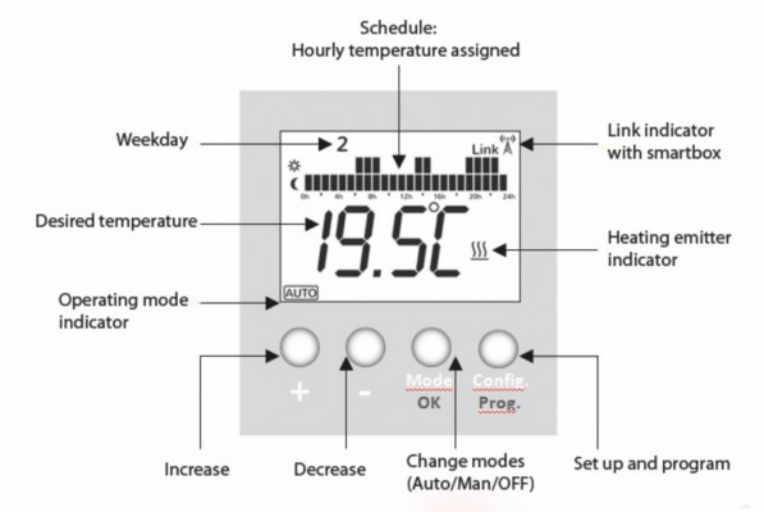
The device must not be covered and air circulation must be allowed at all times.

B. How to use electric radiator

Setting the transmitter in programming mode, will allow you to assign temperatures at different times of the day, for each day.

Understanding the full programing potential of your radiator will help to reduce energy consumption.

Display:



C. Installation

Before installing

Installation and startup of this appliance is extremely simple, however, you should read all the instructions and recommendations detailed in this instruction manual and recommendations carefully, as the manufacturer will not be held liable for damage caused by non-compliance.

Once the appliance is unpacked, the packaging must be removed responsibly since all the elements have been designed for recycling. If on unpacking, you discover any damage whatsoever, please get in touch with your supplier prior to installation.

For assembly and installation, please follow the instructions as set out in this booklet. For safety reasons, this heater should never be installed in close proximity to a bath or shower i.e. that you could touch the controls whilst in the bath or shower. The radiator should not be placed below a socket. If the cable has been damaged, it can only be replaced by the manufacturer, through its aftersales team, or by a qualified person. This ensures the user will not be in any danger. At the end of the manual, you will find a Guarantee, please check that this has been completed correctly, dated and stamped.

Connecting electricity supply

-If the radiator that you have purchased does not have a plug on the supply cord, installation should be carried out by a qualified electrician.

-Means for disconnection must be incorporated in the fixed wiring in accordance with the wiring rules of the country where it is to be installed.

-Before connecting, check the supply is switched off.

-Before connecting the appliance to the fixed wiring check that the voltage of supply is inside the rated values indicated in the marking plate 220 - 240V.

-The appliance must be connected to the fused system of fixed wiring.

-Any problem arising from not following the instructions above will invalidate your guarantee

-When wiring up, please follow the colours of wires.

Power supply

Connect the electric radiator with the switch installed for this function.

When the thermostat is switched on for the first time, you will be asked to make some necessary selections (Clock, etc.). The batteries inside the thermostat will need to be charged for a minimum of 24 hours in order to have maximum time saving capacity.

D. Operating instructions

Modes

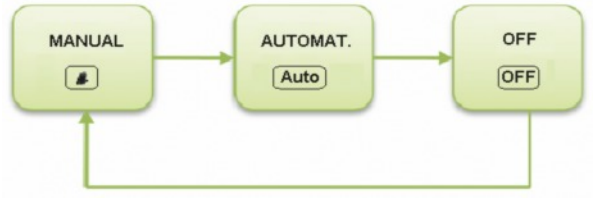
The radiator can work at 3 different modes:

· Auto. The setpoint temperature varies automatically according to customizable programming based on 3 temperatures (operation as programmable thermostat chronothermostat). The bars report the temperature that is programmed for each hour.

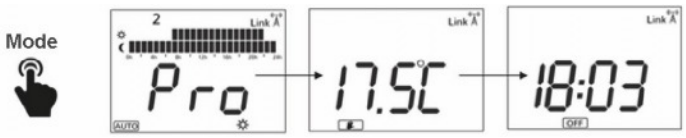
- Manual.The setpoint temperature remains fixed, depending on the user's choice (operation as digital thermostat).

- OFF. The radiator stays off.

Press “mode” to change the operation mode.



Example:



In “Manual” mode press the key [+] and [-] to change the temperature

In “Auto” mode when the temperature is modified temporarily, the change will be effective until the next heating period or the end of the day.

In “Manual” mode the temperature will be fixed.

Adjust programmed temperatures

In “Auto” mode the temperature of each hour will change automatically following the programmed Schedule.

The user must assign to each hour one of the next temperatures mode:

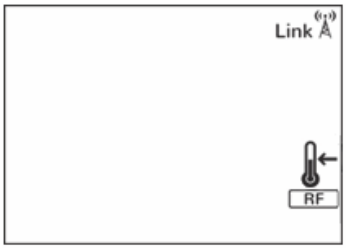
-Comfort (☼), used normally when the user is at home.

-Eco or saving (☾), used at night or for brief absence periods.

-Freeze or minimum temperature (✻),used for longer absence periods.

To define these temperatures:

-Press “Prog”, will display the right temperature.



-Select the temperature symbol using [+] or [-].

-Press “mode” to proceed.

-Select the temperature mode that you want to change the temperature to with the “mode” key. Comfort (☼), eco (☾) o mínimum (✻).

-Change the temperature with the key [+] or [-].

-Press “mode” to modify other temperature modes or press “Prog” to exit.

Setting program and time/day

The radiator allows the creation of a weekly programmed schedule assigning to each hour one of the 3 available temperatures. The program for each day can be different.

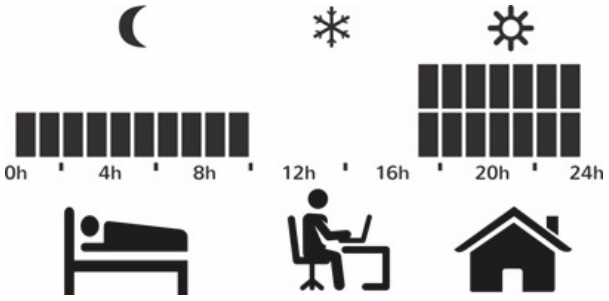
-Use Comfort temperature for the hours that you are at home. (Represented by 2 bars at LCD)

-Use Eco-saving temperature for the night hours or short absence periods (Represented by 1 bar at LCD)

-Use Freeze-minimum temperature for long absence periods. (Represented by no bar at LCD)

Press the “Prog” key for 3 seconds to start programming settings. You can switch directly to the day and time setting by pressing “Prog” again.

Example:



Setting program

1. The display will show 0:00 on day 1.

2. With the mode key select the desired “temperature mode” for that time (Comfort ☼, eco ☾ o mínimum ✻).

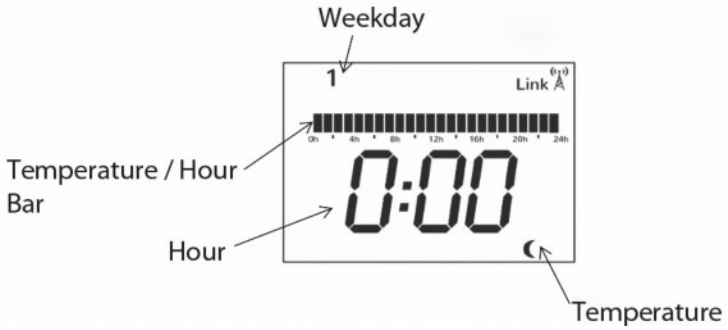
3. Use the [+] key to increase the value of the time until you get the value of the time you want to change the “temperature mode”.

4. Use the “mode” key to select the desired new “temperature mode” for that time.

5. Repeat operations until 24:00 (0:00 on day 2)

6. Repeat the above steps for every day until 23:00 on day 7

7. Press the [+] key to switch to the time and day setting screen.



Setting the time and day
Hour:

1. The display will flash on the current day, press [+] or [-] to change it

2. Press “mode” to confirm the day.

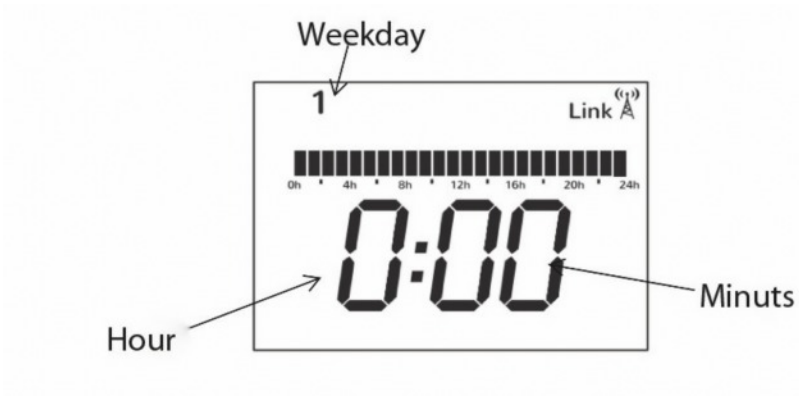
Day:

1. The display will show the current time flashing, press [+] or [-] to change it.

2. Press “mode” to confirm the time.

3. The display will show the minutes flashing, press [+] or [-] to change them.

4. Press “mode” to confirm the minutes and exit the time and day settings.



In case the device is already associated with a control unit, the time setting is cancelled and the time of the control unit is automatically set.

Keypad locking
Use this function to prevent any changes to your settings (In a child room, public area, etc...)

Press [+] and [-] for 3 seconds to lock, at the LCD the “Lock” message will appear:

Pres [+] and [-] for 3 seconds to unlock.

Advanced engineer settings
To enter the advanced setting mode :

1.Press “Prog” while the radiator is in one of the main modes (OFF, AUTO, MANUAL).

The window shown will appear:

2. Press “Prog” for 5 seconds.

3.The advanced settings are:

C1- Choose ºF or ºC

C2- Choose type of control

C3- Temperature Compensation

C4- Firmware

C5- Activation protection window open (turning off 30 minutes if a drop of 2.4 ˚ C is detected in 4 minutes), is indicated by the icon

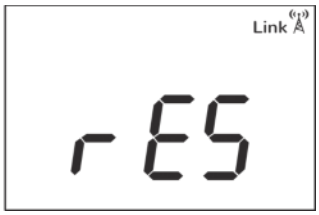
4. To select one of the three advanced settings (C1 to C5) use the [+] / [-] keys.

5. Choose the required mode by pressing “mode.

6. Press [+] / [-] buttons to change.

7. Press “mode” or “Prog” to confirm and exit.

Reset radiators
Press simultaneously “mode” and “Prog” for 10 seconds. The figure on the right appears.



Click on “mode” to confirm

Default settings

- Mode: OFF
- Tª comfort: 19ºC
- Tª eco: 17ºC
- Tª freeze: 5ºC
- Tª mode manual: 19ºC
- Temperature compensation Offset: 0ºC
- No RF link
- Temperature units ºC
- Open window detection: OFF
- Control mode: PID -TRIAC-, PID15 -Relay-
- Program: All hours Eco

E. F.A.Q.

Error messages

-OC: no connection with temperature probe

-SC: Short-circuit at temperature probe

-Err1: Relay or Triac in short-circuit

-Err2: Overload (power limit exceeded)

-Err3: No load (or very low load, below 100W, check the connection to the radiators)

-Err4: Temperature limit exceeded (>90ºC in the electronics)

INFORMATION

1.Very important!!

- Read the installation manual prior to installation of this unit!

- Read the user manual before putting this unit in operation!

- Observe the warnings in the manuals!

- The room you are installing the radiator in must adhere to the ventilation requirements!

- Installation must be by an authorised person only!

- The screws provided are not suitable for all types of walls, it's the installers responsibility to ensure the correct screws are used for the type of wall the radiator in being fixed to.

2.Wall mounting

The radiator comes complete with an installation kit, comprising of the following:

- Screws

- Brackets

- Cardboard guide, (remove from the top of the box the radiator comes in)

Please follow the illustrated steps below to hang and install your radiator:

1. Take the radiator out of its packaging and choose where to hang it. Please note the minimum distances required around the heater.

2. The flap of the box has the guide printed on it to place the radiator on the wall. You must make the holes of the template to Drill and plug holes.

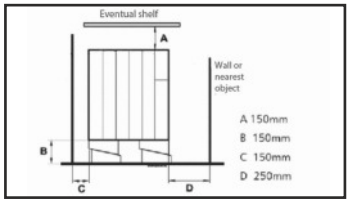
3. Place the box against the wall and mark where the supports should be placed.

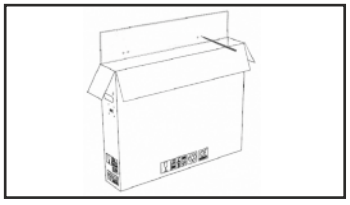
4. Drill and attach the plugs.

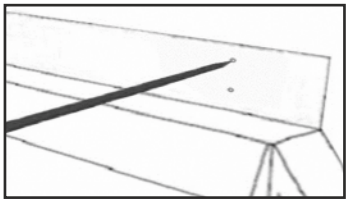
5. Screw the brackets to hold the radiator into place, using the screws and washers provided.

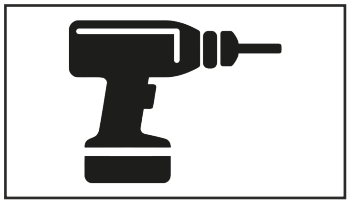
6. Place the wall spacer in the centre slot on the back of the radiator. Leave it on the bottom.

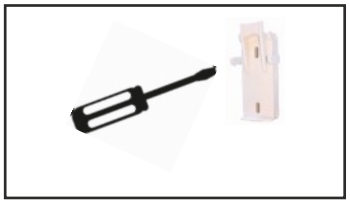
7. Place the radiators on the wall brackets

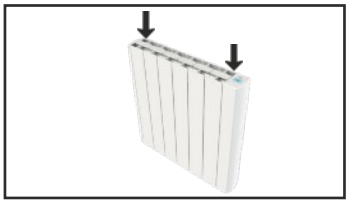






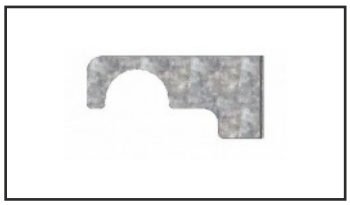






8. Place the bottom bracket on the radiator as indicated in the picture.

9. Screw the piece with the elements of the kit to the wall.



3. Guarantee

The manufacturer produces high quality products for international markets. The company provides a guarantee for the period of 5 years and 2 years on electrical and electronic components. For this warranty to be valid you must present the original invoice, delivery note or receipt.

- The guarantee only covers manufacturing defects and/or any problem occurring from such defects. All problems arising from installing an undersized heater (not enough heat, improper installation, etc) are not covered by this guarantee.

- This heater is for domestic & light commercial use only; installation in any another enviroment voids this guarantee.

- Electrorad UK Limited reserves the right to decide whether to repair or replace any defective part or to replace the entire heater.

- All costs arising from any damage caused by incorrect usage, transport, electrical supply are not covered by this guarantee, nor are any malicious damage.

This guarantee does not provide compensation for incidental or consequential damage or injuries.

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