

The product you have just bought has been thoroughly tested and checked to ensure that it is of high quality. We hope it will give you complete satisfaction.

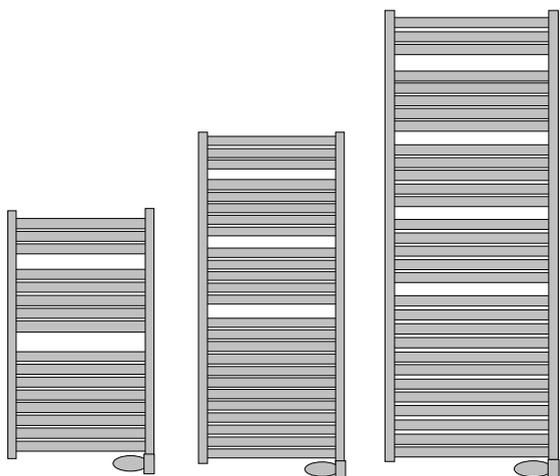
## Some useful advice

Please read this handbook carefully before starting to install the appliance.  
Switch off the mains power before performing any work on the appliance.  
Keep this handbook, even after installing the appliance.

## I) DESCRIPTION

This electric radiator/towel rail is an appliance that provides heating for the room it is installed in. It also dries towels and other laundry hung on its rails.

Version	Power (W)	Height with control box (mm)	Width (mm)	Overall thickness (mm)	Number of tubes
STANDARD	500 W	915	500	85	16
	750 W	1360	500	85	25
	1000 W	1660	600	85	30
CHROME	300 W	915	500	85	16
	500 W	1360	500	85	25
	750 W	1660	600	85	30



This version is designed to be connected to a mains power source supplying 230 V - 50 Hz. It is equipped with a control box located at the bottom of the appliance. A control wire allows the appliance to be used in programmed heating mode. All the appliances in this product range comply with the requirements of the applicable French and European standards.

## II) HOW TO INSTALL YOUR APPLIANCE

### 1) Condition on delivery

These appliances are delivered complete and ready to use, fitted with plugs and filled with heat-exchanging fluid.

These appliances are not completely filled with heat-exchanging: this is quite normal as it allows for expansion of the fluid when it is heated.

These appliances include a control box fitted at the bottom of the frame.

A mounting kit is supplied with the appliance.

### 2) Where to install your appliance?

- This appliance is designed to be installed in residential premises. Please consult your distributor if you wish to install it in any other location.

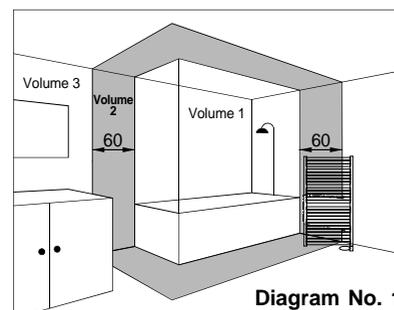
- The appliance must be installed in accordance with standard good practices and with the applicable national standards in the country of use (the IEE Wiring Regulations).

- This appliance is in class II and is protected against water splashes. It can therefore be installed in volume 2 of bathrooms and washrooms **but it must not be possible to reach the controls on the appliance while using the shower or the bath. (See diagram No. 1).**

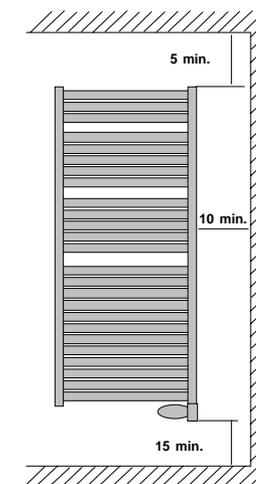
- Position the appliance in compliance with the minimum distances from surrounding obstacles, as shown in **diagram No. 2**.

- **This appliance must not be installed:**

- 🚿 in a draught which may interfere with its control settings (such as under a central forced ventilation port),
- 🔌 under a fixed power socket.



**All dimensions are given in cm.**

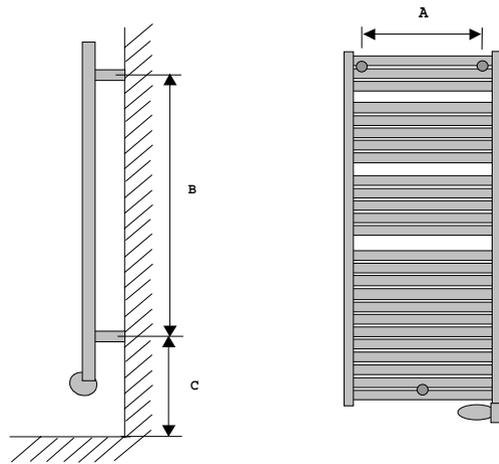


**Diagram No. 2**

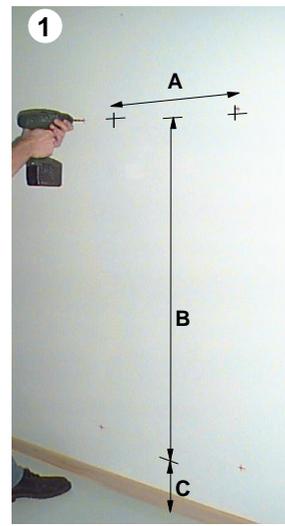
### 3) How to install your appliance?

The mounting pins are normally positioned as follows:

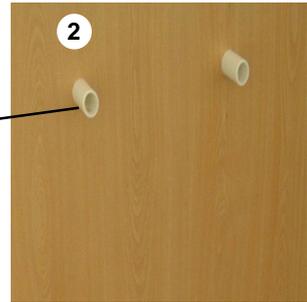
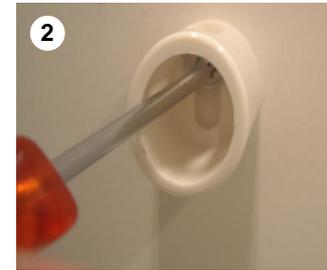
- height: on the top tubes,
- width: as near as possible to the vertical bars to avoid obstructing the hanging of towels.



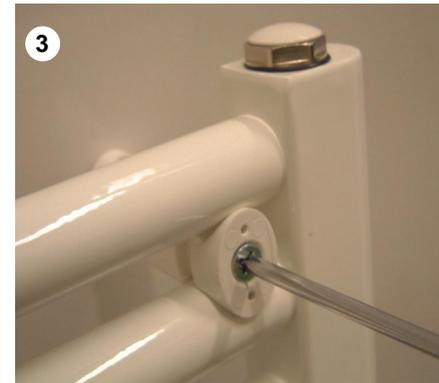
Mark out the mounting holes accurately in accordance with the spacing distances specified in the table below (or measure the spacing distances on the appliance if you do not use the top tubes as specified). Then install the raw plugs.



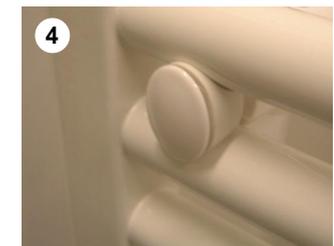
Power	Spacing A (mm)	Spacing B (mm)	Spacing C (mm)
500 W Standard 300 W Chromium	350 mm	750 mm	290 mm
750 W Standard 500 W Chromium	350 mm	1190 mm	290 mm
1000 W Standard 750 W Chromium	450 mm	1475 mm	290 mm



Screw the sleeve in place. Fit the screws with the washers provided. (Caution: Make sure the side locking screws are available).



Screw the pins on the tubes without locking them. Check they are correctly positioned by inserting them in the sleeves, with the appliance. After finding the right position, tighten the screws on each pin.



#### 4) How to connect your appliance

- The appliance must be supplied with 230 V - 50 Hz power.
- It must be connected to the mains supply by a 3-core cable (brown = phase, blue = neutral, black = control wire) via a junction box. In damp rooms, such as bathrooms and kitchens, the junction box must be installed at least 25 cm above the floor.
- The installation must be equipped with a single-pole circuit-breaking device with a contact opening distance of at least 3 mm.
- This appliance must not be connected to the earth. **Do not connect the black control wire to the earth.**
- Special tools are required to replace the power cable if it is too short or damaged, and this work must be performed by a specialized technician.

If an appliance controlled via a control wire is protected by a 30 mA residual current circuit-breaking device (such as in a bathroom), the control wire power supply must be protected on that device.

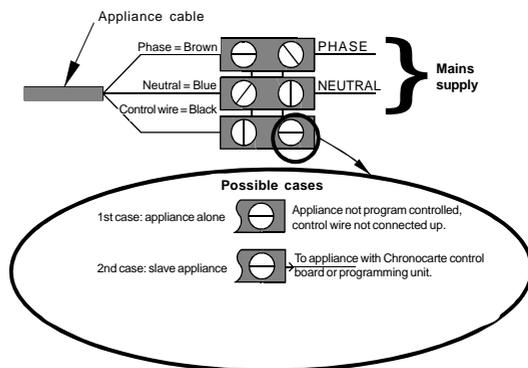
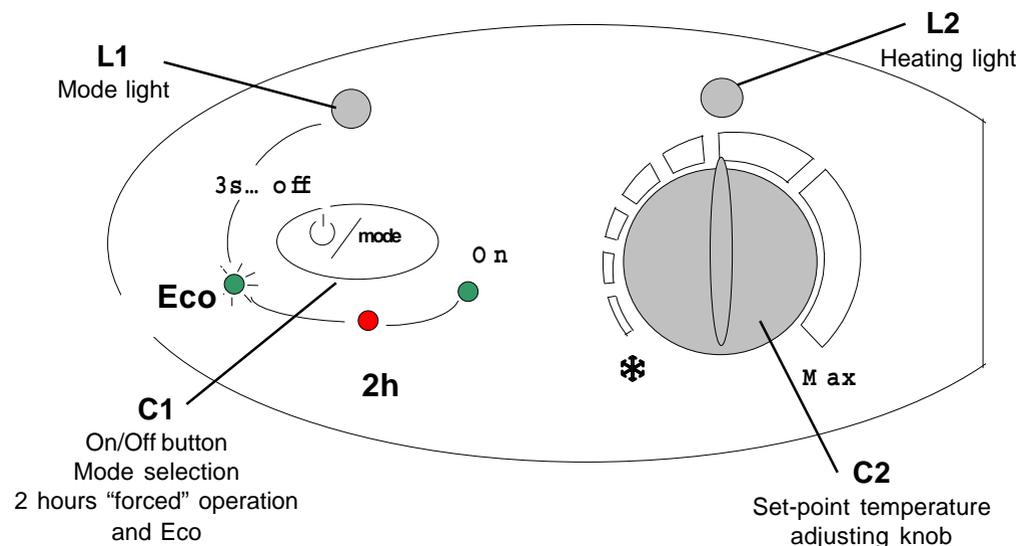


Table showing the principal commands the appliance may receive on its control wire To be measured between control wire and neutral.

Commands received	Oscilloscopes Ref./Neutral	Mode obtained	Heating temperature obtained
No current		COMFORT	<b>Comfort setting</b>
Alternation: * no current: 4'57" * phase 230V: 3"		COMFORT -1°C	Thermostat position - 1°C
Alternation: * no current: 4'53" * phase 230V: 7"		COMFORT -2°C	Thermostat position - 2°C
Complete alternation 230V		ECO	<b>ECO temperature</b> 3 to 4°C lower
Negative semi-alternation: a -115V		ANTI-FROST	<b>Anti-frost temperature</b> of approx. 7°C. Can also be used as power disconnect.
Positive semi-alternation: a +115V		POWER DISCONNECT	<b>Immediate shutdown of appliance</b>

### III) HOW TO USE YOUR APPLIANCE

#### Control box Diagram



#### 1) Switching on and off

To switch the appliance on, briefly press button C1. The mode light L1 shows green. To switch off, press button C1 for longer (at least 3 seconds). The mode light L1 goes out.

#### 2) Adjusting the Comfort temperature for the occupied room

The room temperature can be adjusted between 7°C and 28°C.

- Setting the desired temperature with control C2; choose a dial position. The light L2 shows red while the ambient temperature is lower than the chosen level. To assist, the green dial segment indicates a temperature between about 15°C and 21°C.
- Wait an hour or two for the room temperature to stabilize.
- If the setting suits you, note the position for future reference. If it does not suit you, adjust the control accordingly, repeating the procedure.

#### 3) Towel drying in a warm room

In cold weather, the appliance will dry towels placed on it, while heating the room at the same time. If you need to dry towels while the heater is turned off by the room thermostat because the room is at or above the chosen temperature, it can be done by briefly pressing button C1. This overrides the thermostat to give 2 hours of continuous heating. During this time, lights L1 and L2 will both show red. The override condition stops automatically after 2 hours or to cancel it manually, press button C1 twice.

#### 4) Setting Eco mode

Eco temperature is 3°C or 4°C lower than the chosen Comfort temperature, recommended for when the room will be unoccupied for 2 hours or more. Briefly press button C1 once (or twice). Light L1 blinks green. To return to Comfort mode, briefly press button C1.

### III) HOW TO USE YOUR APPLIANCE

#### 5) Setting Frost Protection mode

This mode maintains a temperature of about 7°C in the room, useful when you are away for a day or more.

Light L2 will come on if the measured temperature falls below 7°C.

Set control C2 to point the symbol ❄️.

#### 6) Programming your appliance

In this automatic operating mode, your appliance is controlled by programming commands transmitted by the control wire when it is connected to an energy management system, a programming unit or an appliance equipped with a CHRONOCARTE control board.

Up to six different programming commands can be used: COMFORT (the Comfort temperature set on the temperature scale), COMFORT -1°C (1°C lower than the Comfort temperature), COMFORT -2°C (2°C lower than the Comfort temperature), ECO (3°C or 4°C lower than the Comfort temperature), ANTI-FROST (temperature of about 7°C), POWER DISCONNECT (heating switched off and thermostat placed in standby mode).

See the table in section II - 5 for the description of programming commands.

Note: The appliance returns to the current mode when the command transmitted by the control wire is cancelled.

Forced operation mode takes priority over commands from the control wire.

### IV) RECOMMENDATIONS FOR USE

- The room cannot be heated more quickly by setting appliance to maximum.
- When you air the room, switch the appliance **OFF (by briefly pressing button T1)**.
- Remember to reduce the temperature setting if you will be away for several hours.  
Time of absence: **less than 2 hours** - Do not alter the setting.  
**between 2 hours and 24 hours** - Switch the set-point to Eco.  
**more than 24 hours or in the summer** - Switch the set-point to Anti-Frost mode

### V) WARNINGS



**Make sure that children do not lean against the front of the appliance.  
Any servicing on the appliance must be carried out by a qualified technician.  
When any servicing is performed, the appliance must be switched OFF  
and allowed to cool before it is removed from its mounting.**

### VI) MAINTENANCE

Switch off the appliance before any maintenance is performed.

To obtain optimal performance from the appliance for many years, it is advisable to have the quality of the fluid it contains checked by a professional technician after six years in service, and to replace the fluid if necessary. The drained fluid must be taken to a waste oil collecting centre.

The appliance's frame can be cleaned with a damp cloth but abrasive products must never be used.

Use a dry cloth (without solvent) to clean the control box.

### VII) IN CASE OF PROBLEMS

The appliance does not heat up.

Check that the installation's circuit breakers are closed or that the power disconnect device (if there is one) has not cut off the power supply to the appliance. Check room air temperature and the set-point.

If light V2 is flashing red (and the appliance is not heating up), contact your installer.

The appliance does not respond to programming commands.

Make sure you are using the programming unit properly. (Refer to the user's handbook). Check that the appliance is not in forced operation mode.

The appliance heats all the time.

Make sure the appliance is not located in a draught and that the temperature setting has not been modified.

This electronically controlled appliance contains a microprocessor which may be affected by major power line disturbances (outside CE standards on disturbance protection levels).

In the event of problems (such as jammed thermostat), cut off the power supply to the appliance (at the fuse or circuit breaker, etc.) and wait about 5 minutes before switching the appliance back on.

**If the problem occurs frequently, have your mains supply system checked by your power company.**

**Important note: When the appliance heats up for the first time, there might be a slight odour caused by traces of product used in the appliance's manufacturing process.**

### VIII) WARRANTY CONDITIONS

#### KEEP THIS DOCUMENT IN A SAFE PLACE

*(This certificate should only be produced if you are making a complaint, attached with the invoice of the purchase)*

- This guarantee is applicable for 2 years from the date of original purchase and shall be valid for no more than 30 months from the date of manufacture.
- Your ATLANTIC distributor will exchange parts shown to be defective in manufacture. The replacement parts will be of charge but ATLANTIC does not accept responsibility for freight or labor charges or losses in transit.
- This guarantee excludes damage by neglect, shipping or accident and any damage due to incorrect installation, use or purpose other than those intended or failure to observe the instructions given.

UNIT TYPE \* : .....  
SERIAL NUMBER \* : .....  
CUSTOMER'S NAME AND ADDRESS : .....

\* This information is provided on the identification plate fixed on the back of the appliance.

INSTALLER'S STAMP

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