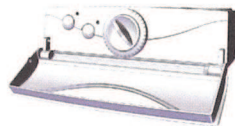


ACOVA

Z23420-01



NOTICE D'UTILISATION
INSTRUCTION FOR USE



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1. Overview

1.1 Introduction

Dear customer,

Thank you for choosing this radiator or towel radiator.

This product has been manufactured in accordance with our stringent quality requirements to give you total satisfaction. To get the most out of your radiator, we advise you to read these instructions carefully and keep them to hand.

Thank you for your purchase.

1.2 Warnings



CAUTION (TOWEL DRYER): To avoid any danger to very young children, you are advised to install this appliance so that the lowest heating bar is at least 600 mm off the floor.



CAUTION (RADIATOR): To avoid overheating, do not cover the heating appliance.



Do not sit on the heating appliance.



Caution, hot surface.

CAUTION - Some parts of this product can become very hot and cause burns. Particular attention has to be given where children and vulnerable people are present.

Children of less than 3 years should be kept away unless continuously supervised.

Children aged from 3 years and less than 8 years shall only switch on/off the appliance provided that it has been placed or installed in its intended normal operating position and they have been given supervision or instruction concer-

ning use of the appliance in a safe way and understand the hazards involved. Children aged from 3 years and less than 8 years shall not plug in, regulate and clean the appliance or perform user maintenance.

This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.

This appliance should be plugged or connected, according to rules and standards in application, only by an authorized person.

It is protected from splashes of water, and can be installed within volumes 2 and 3 (see section 2.1) as long as the electrical controls are out of reach of anyone using the bath or shower. It must not be connected to ground.

The electricity supply must be protected by a residual current device with a maximum of 30mA, especially when installed in a room containing a bathtub or shower.

IMPORTANT If the power cable is damaged, for safety reasons it must be replaced by the manufacturer, the manufacturer's after-sales service department or a similarly qualified person.

IMPORTANT The heating appliance must not be placed underneath a power outlet.

IMPORTANT This appliance is not intended for use at altitudes exceeding 2000 m.

Before carrying out any maintenance operation on your appliance, ensure that it is switched off.

1.3 Overview of your appliance

ELECTRICAL TOWEL DRYER OR RADIATOR:

This heating appliance is filled with a precise quantity of specific oil. Any repair work requiring the oil tank to be opened should only be carried out by the manufacturer or their after-sales service department, which should also be contacted in the event of an oil leak.

When disposing of the heating appliance, comply with the regulations in force on the disposal of oil.

This electrical appliance with circulating fluid is delivered ready to use.

It is plugged and filled with a high-performance thermal mineral oil before leaving the factory.

This fluid was specially designed for this use and requires no special maintenance.

As soon as the appliance is switched on, you will notice certain differences compared to a standard electric heating system:

- the electric heating element heats the fluid, which gradually and naturally starts circulating in your appliance;
- the properties of the fluid are such that it takes approximately ten minutes for the radiator to reach its optimum surface temperature, depending on the model and the room temperature when the appliance is switched on;
- this principle also ensures consistent and sustained heating even when the element is no longer powered.

DUAL-ENERGY TOWEL DRYER:

This appliance is designed for connection to the central heating system and comes unplugged.

2. Installing your appliance

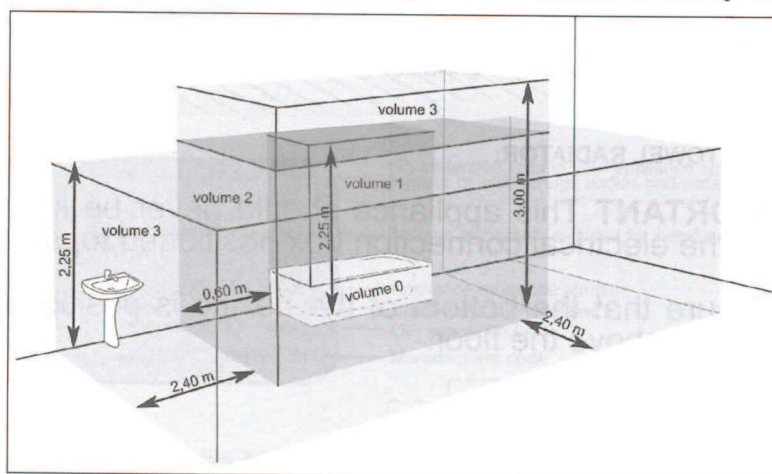
2.1 Warnings

The flexible cable supplied with your appliance is designed to be connected to the mains via a junction box that must be placed behind the appliance, with no need for a plug.

In a kitchen or bathroom, the junction box must be positioned at least 25 cm from the floor.

The appliance must be installed as described in this document and in accordance with the applicable European and French standards, including CEI 60364.7.701 and NF C15-100, as well as the rules of good professional practice.

For other countries (apart from France), the appliance must be installed in accordance with standards in force and with rules of good professional practice in the country of use.



IMPORTANT The example shown only concerns a bathtub. For other bathroom fixtures, please consult your installer.

IMPORTANT The system must be fitted with an omnipolar circuit-breaker with a minimum contact opening of 3mm.

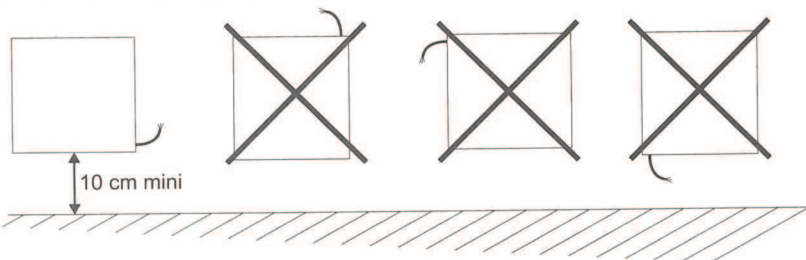
To ensure your system is safe:

- ensure that an area of at least 50 cm in front of the appliance is clear of objects which might hinder air circulation (furniture, chairs, etc.);
- position a shelf at least 10 cm above the top of your radiator;
- use mounting screws suitable for your wall.

FOR A RADIATOR:

IMPORTANT This appliance should never be installed with the electrical connection box positioned topside.

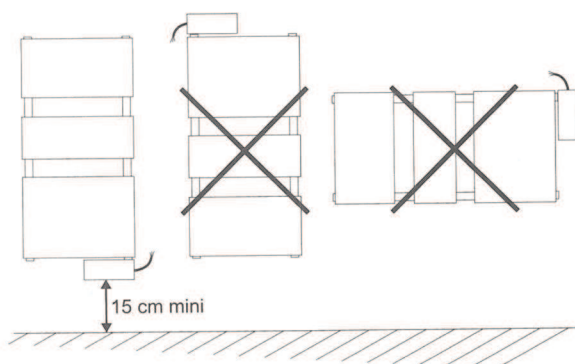
Ensure that the bottom of the device is positioned at least 10 cm above the floor.



FOR A TOWEL RADIATOR:

IMPORTANT This appliance should never be installed with the electrical connection box positioned topside.

Ensure that the bottom of the device is positioned at least 15 cm above the floor.





CAUTION

Always turn off the electricity supply (circuit-breaker + pilot wire) before making any connections.

NOTE Electric towel radiators are designed to be covered safely. However, to ensure that your appliance works efficiently, you are advised not to cover it completely. Doing so will increase the temperature and cause the internal cutout to turn off the appliance.

2.2 Positioning your appliance

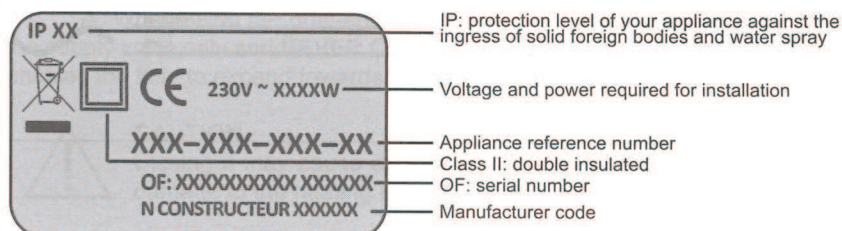
To get the most out of your appliance and enjoy the highest standards of comfort, we recommend that you install the appliance near places with high heat loss (windows, doors, etc.) wherever possible.

You will find a complete set of assembly instructions in your appliance's box.

2.3 Connecting the appliance

The technical specifications of your radiator are shown on its nameplate.

Please note these down before installing it and before requesting any after-sales assistance.

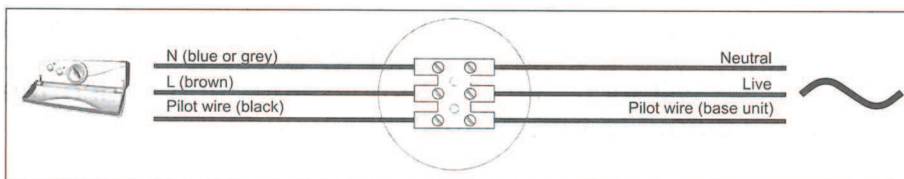


When connecting the appliance to the mains, you must observe:

- the voltage indicated on the nameplate;
- conventional colour coding:
 - blue or grey: neutral
 - brown: live
 - black: pilot wire

CONNECTING PRINCIPLE WITH PILOT WIRE:

Your appliance is equipped with a pilot wire for connection to a pilot wire programming base unit (not supplied with the appliance).

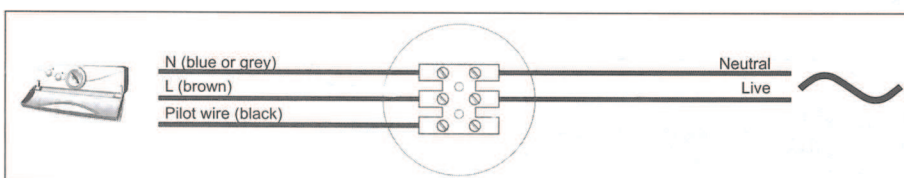


NOTE:

Your appliance is equipped with an integrated electronic control system so we cannot accept any liability should the appliance be used with pilot wire programming base units that function by disconnecting the supply voltage (refer to the instructions supplied with your control unit).

CONNECTING PRINCIPLE WITHOUT PILOT WIRE:

If the pilot wire is not connected, it must be insulated for safety reasons. Under no circumstances must it be connected to earth.



3. Using your dual-energy towel radiator

IMPORTANT This appliance has been designed to be used either in central heating mode or electric mode. Each application requires special, detailed procedures to be followed. Inappropriate use may damage the resistance as a result of excessive fluid temperatures, particularly in the event of simultaneous use in electric and central heating modes.

Any inappropriate use will render the contractual guarantee null and void.

3.1 Use as central heating

Ensure that the control unit is off.

The supply valve must be open to let water from the central heating system circulate.

3.2 Use as electrical heating

A. When using the dual-energy, towel-drying radiator in "electric mode", close the supply valve only and **NEVER CLOSE THE HEATING UNIT'S OUTLET** since this enables the fluid to expand towards the installation.



CAUTION

Closing it may cause excessive pressure to build up with consequential damage to the heating unit.

B. Ensure that the appliance is sufficiently full by opening the bleed tap at the top. Close it again if there is a steady flow of water. A sponge and small container should be used for this operation.

If the pressure is inadequate for bleeding the heating unit:

- fill the central heating system with water up to the level indicated on your gauge,
- contact your heating specialist,
- inform the operating company (where heating is collective).

C. To start the appliance, follow the same procedure as for an electric towel-dryer.

If the central heating system is equipped with a circulation pump which is independent of the boiler, **it must in all circumstances be turned off** (risk of siphoning the heating unit in the event that connections are not perfectly watertight). **IMPORTANT** The appliance should only be turned on when properly filled with water (failure to comply may invalidate the guarantee).

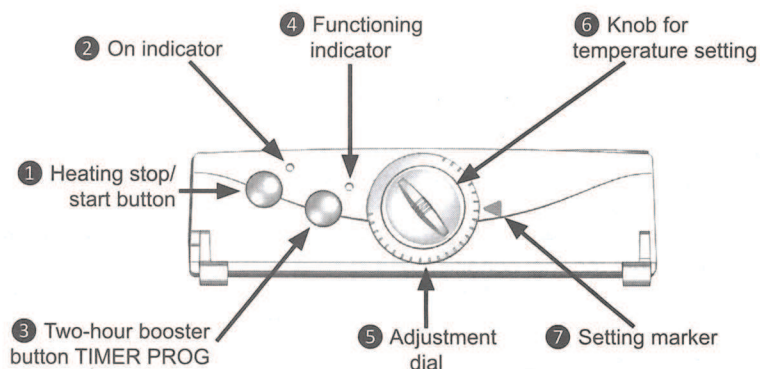
IMPORTANT This radiator is equipped with a resistance which has an integrated power shut-off and fuse. Using the radiator without water will permanently damage the fuse as well as the resistance. In this case it must be changed though "**not under the manufacturer's guarantee**". Using the radiator only partially filled with water causes the heating function to shut off automatically. Alternate function will continue as long as the main heating section is not properly filled.

If you notice that the electrical part of your towel dryer is activated, but that it fails to heat up inspite of thermostat demand or positive working operation, carry out the following operations:

- 1) Ascertain that your radiator is full of water (see paragraph B).
- 2) Press button ① (see chapter 4.1) to stop current supply and stop the electrical function for 30 to 60 minutes. This operation is necessary to cut off the thermal safety device.
- 3) Press button ① again: the radiator is ready to heat up properly.

4. Using your thermostat

4.1 Overview



KEY TO INDICATOR LIGHTS:

- ② Light indicating appliance is on:
 - Red: appliance on
 - Off: heating stop
- ④ Functioning indicator:
 - Red: the set temperature is higher than that for the room; the appliance is heating up.
 - Flashing red: the booster function is on.
 - Green: the radiator is heating up in reduced mode programmed by pilot wire (ECO, COMFORT -1°C and -2°C).
 - Off: the set temperature has been reached, the appliance has stopped heating.
 - Continuous green: the appliance is in freeze protection mode, programmed by pilot wire.

4.2 Setting the temperature

Turn the appliance on by pressing the Heating stop/start button ①. The red indicator ② will light up to show that the appliance is on.

Thermostat setting: this function allows you to select the ambient temperature of the room.

Turn the knob for temperature setting ⑥ clockwise to activate the heating function. The red light ④ comes on when the setting exceeds the ambient temperature.

When the preferred ambient temperature is reached, turn the knob ⑥ anti-clockwise until the red light ④ goes off.

After a few hours of operation, you can change the temperature setting by turning the knob clockwise to increase temperature or anti-clockwise to reduce it. This enables you to set your desired temperature.

4.3 Adjustment procedure

In order to make setting easier, the knob for temperature setting is graduated by degrees and equipped with an adjustment dial ⑤. In normal use, both elements (⑤ and ⑥) turn simultaneously.

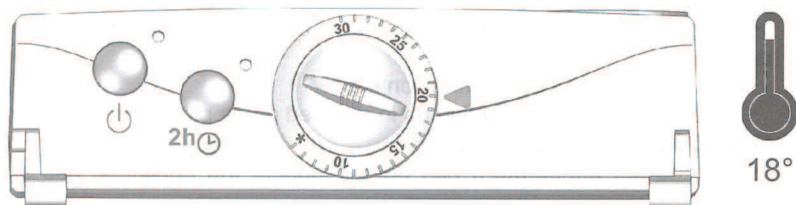
The dial is initially set to correspond to the actual ambient temperature in the room (under optimum thermal conditions).

However, due to the specific conditions of an installation or room (location, power/volume, insulation, etc.), a variation may be noted between the desired temperature and the measured temperature.

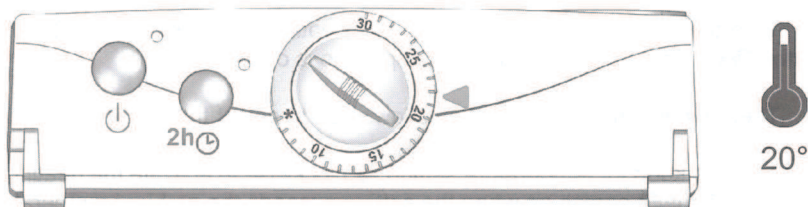
The adjustment ring ⑤ enables this problem to be resolved.

PHASE 1: SETTING THE REQUIRED TEMPERATURE

Example: The first time you use the radiator, you have set the thermostat to 20°C but the temperature measured by your thermometer in the room after heating is only 18°C.



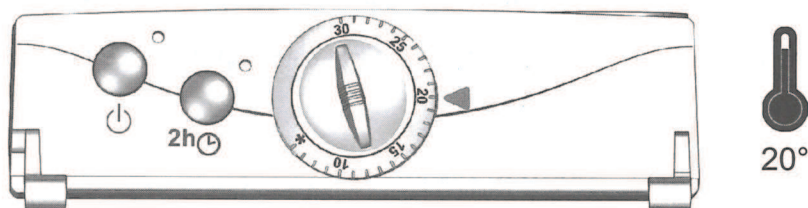
Turn the knob for temperature setting ⑥ clockwise a few degrees (the functioning indicator ④ lights up) and let the radiator heat up until your thermometer shows 20°C. The functioning indicator going off denotes that your device has reached the desired temperature.



PHASE 2: ADJUSTMENT

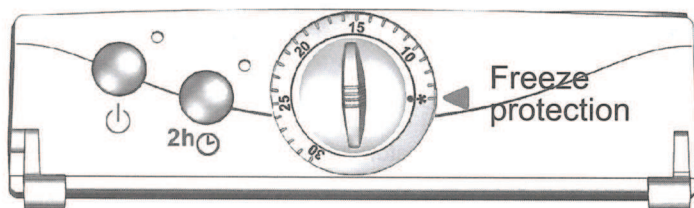
Hold the knob for temperature setting ⑥ in place and turn the adjustment dial ⑤ independently until the 20°C setting is in line with the marker ⑦.

The setting of your radiator now corresponds to the temperature measured in the room.



PHASE 3 (OPTION): RESET TO INITIAL SETTINGS

To return to the original setting: line up the embossed point found on the knob for temperature setting ⑥ with the freeze protection symbol on the adjustment ring ⑦.



4.4 Booster function

This function provides additional heat when you have a bath or shower, while also drying or warming your towels.

When this function is activated, the radiator operates at maximum output regardless of the thermostat setting.

Once initiated the booster function runs for 2 hours. It can be stopped at any time.

There are 2 ways of starting the Booster function:

- Manual booster: **TIMER**
- Programmed booster: **TIMERPROG**

MANUAL BOOSTER: TIMER

This function enables the radiator to reach optimum temperature rapidly and independently of the thermostat setting.

Hold down button ③ for a few seconds. The red indicator ④ will flash for 2 hours. The radiator automatically returns to heating mode at the end of the cycle.

You can stop the function by holding down button ③; the indicator will stop flashing.

PROGRAMMED BOOSTER: TIMERPROG

This enables the booster start time to be programmed so that it comes on at the same time everyday. User-friendly programming: no time to set, no complicated menu!

By pressing button ③ for 5 seconds, you can record the time the booster was activated (i.e. when the button was pressed). The indicator flashes in three series of three to indicate that the **TIMERPROG** is activated. After this series of flashes, the indicator flashes normally to indicate that the **TIMER** is on.

The booster will now start every day 30 minutes before the recorded time.

Example:

- Day 1: 7 AM.

Press down for 5 seconds, the indicator flashes (in three series of three), the time is recorded. The Booster is on.

- Day 2: 6:30 AM, the Booster comes on for a 2-hour period.







The programmed setting can be cancelled by turning the appliance off (button ①).

The manual **TIMER** can be activated without affecting the **TIMERPROG**.

As with manual operation, the **TIMERPROG** can be stopped by pressing button ③ without affecting the programmed setting.

4.5 Programming by pilot wire (option)

Your Acova appliance can be regulated by a 6-command programming unit (**COMFORT**, **COMFORT -1°C**, **COMFORT -2°C**, **ECO**, **FREEZE PROTECTION**, **HEATING STOP**).

Commands received	Oscilloscopes Ref./Neutral	Mode obtained	Results obtained
No current		Comfort	The temperature obtained is that of the thermostat setting.
Alternation * no current: 4'57" * phase 230 V: 3"		Comfort -1°C	The temperature obtained is that of the thermostat setting - 1°C.
Alternation * no current: 4'53" * phase 230 V: 7"		Comfort -2°C	The temperature obtained is that of the thermostat setting - 2°C.
Complete alternation 230 V		Eco	Economy temperature.
Negative semi-alternance -115 V		Freeze protection	Freeze protection temperature of approx 7°C. Can be used for load-shedding.
Positive semi-alternance +115 V		Heating stop	Immediate stopping of appliance.

NOTE:

You can use the "freeze protection" command on your Acova appliance's electronic thermostat for load-shedding (option available with some programming units). When using the programming function, it is vital to use appliances of equivalent technology to ensure optimum levels of comfort.

IMPORTANT Boost programming by pilot wire:

When the appliance is programmed by pilot wire, the booster function overrides all the programmed commands except the programmed Heating stop command. Press button ③ for the booster function in pilot wire mode: **ECO**, **COMFORT -1°C**, **COMFORT -2°C**, **FREEZE PROTECTION**: the red indicator flashes, the appliance is in booster mode for 2 hours.

In the programmed Heating stop by pilot wire mode (load-shedding function): the red indicator ④ flashes but the appliance does not heat up as long as the Heating stop command is maintained.

5. Maintenance and troubleshooting tips

5.1 Routine maintenance operations

High-quality materials and surface treatment protect your radiator against corrosion and impacts.

To maximise the service life of your radiator, we recommend you take the following precautions:

- Never use abrasive or corrosive products on the outer surfaces of the appliance (except the electrical parts); use warm, soapy water.
- Use a soft, dry cloth without any solvents to clean the control box.

5.2 Troubleshooting

Should your radiator fail to function, check that:

Problem	Diagnosis	Steps to take
The appliance does not start.	Electricity supply problem.	Check that your appliance is properly connected to an appropriate power supply (see chapter 2.3).
	The appliance is turned off.	Check that the switch is in the ON position and the indicator is lit (see chapter 4.2).
The appliance does not heat.	The thermostat is in the wrong position.	Check that the thermostat is in the right position for heating up the radiator (see chapter 4.2).
	The dual-energy towel-dryer isn't properly filled with water.	Check that the appliance is properly filled (see chapter 3.2).
	Your appliance is connected to a programming unit.	Please refer to the manufacturer's instructions.

6. Services and guarantee

After-sales service

If your appliance stops working or you require spare parts, contact your installer or dealer.

Prior to making contact and to ensure your problem is dealt with quickly and effectively, please make a note of:

- the details shown on the appliance's nameplate;
- the sales reference for your appliance shown on your dated purchase invoice.

Guarantee

(See general conditions of sale for your country)

The heating body of your appliance is guaranteed against manufacturing defects for five (5) years from the date of purchase, while the other components are guaranteed for two (2) years.

It complies with the EMC Directive: 2004/108/EC regarding electromagnetic compatibility of equipment, with Low Voltage directive: 2006/95/EC regarding electrical equipment designed for use within certain voltage limits, and with European standards EN 60.335.1, EN 60.335.2.43 and EN 60.335.2.30, and subsequent amendments.

Dated proof of purchase must be presented to activate the guarantee. The guarantee does not cover radiator transport, removal and installation costs.

The guarantee shall not apply if the appliance is installed, used or maintained in a way that does not comply with standards in force in the relevant country, good professional practice, or the manufacturer's instructions.

Environmental regulations

RoHS: complies with Directive 2011/65/EU

WEEE: complies with Directive 2002/96/EC



Disposal of end-of-life electrical and electronic appliances. This symbol indicates that this product should not be disposed of with household waste. It must be taken to a suitable collection point to be recycled. By disposing of this product correctly, you will help prevent potential negative consequences for the environment and human health.





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