

WHISTLE CONTROLLER

INSTALLATION, OPERATING AND USER MANUAL

IMPORTANT

Prior to installing and using the temperature controller, please carefully read this manual and keep it for future reference



WHISTLE CONTROLLER

WARNINGS

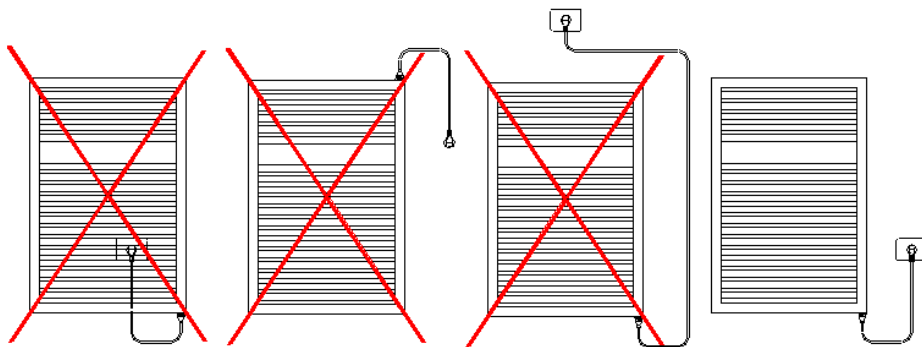
- The electronic controller is designed for drying water-washed clothing and heating the room. Any other use is prohibited.
- Always make sure that the master switch is off before proceeding with installation or maintenance.
- Do not use the towel rail prior to its proper and complete installation by a qualified electrician and hot-water heating technician.
- Do not switch on the controller until the wiring has been checked and all cables are connected in accordance with manufacturer instructions. Check the controller for any damage and the O-ring for proper installation.
- Do not turn off the controller by disconnecting the supply cable.
- Do not use the controller if the electric circuit is not connected to a circuit breaker.
- The nominal voltage of the controller must match the nominal voltage of the supply network (230 V AC $\pm 10\%$).
- The socket outlet (only appliances with a male plug) and power supply must be compatible with the required performance.
- The socket must be compatible with the controller plug (applies to appliances with a plug only).
- Check to ensure that the power supply system is connected to a socket circuit breaker.
- Class I appliances (a yellow-green conductor or earthing pin) may only be connected to sockets or terminals with earthed contacts in accordance with applicable standards.
- Prevent any contact of the appliance with chemicals or alcohol, including the radiator liquid.
- 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.
- Prevent unattended children from tampering with the appliance.

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INSTALLATION WARNINGS



- Do not install the towel rail with the WHISTLE temperature controller on top.
- Do not install the towel rail below or in front of a socket outlet or terminal box.
- The controller must not come in contact with the wall or floor when installed.



- An omnipolar switch dedicated exclusively to the appliance is obligatory. All contacts must be separated by a distance of at least 3 mm.
- The controller can only be connected to 230 V AC 50 Hz. Observe the following colour code where no plug is available.

CONDUCTOR COLOUR	CONNECTION POINT
Brown	Phase conductor
Blue	Neutral conductor
Yellow-green	Earth (Class I only)

- The electronic controller must be connected to a socket circuit breaker.
- If the appliance is to be installed in a bathroom, it must be protected by a residual current device with 30mA release current.
- The controller is Class I water-proof. For bathroom installations, it should be located in Zone 3 (see Fig. 1) so that the control unit is out of reach of people using the shower or bathtub.

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- The WHISTLE must be installed at a distance of 40 - 80 mm from the wall. In order to avoid hazards for children, the towel rail should be installed in such a way that its lowest part is at least 600 mm from the floor.

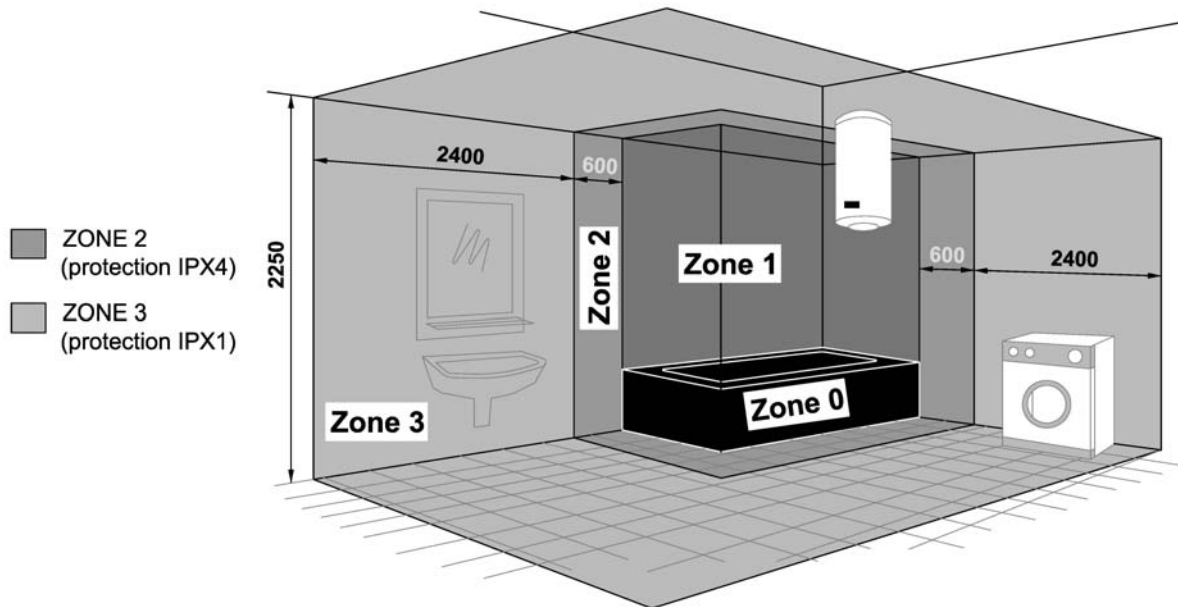


Fig. 1: Bathroom zone classification

SAFETY INFORMATION



- Do not insert metal objects or fingers, even temporarily, into the area where the WHISTLE is connected to the towel rail.
- Do not cover, even partially, the WHISTLE.
- Check electrical hi pot on all controls after fitting to the radiator according to the instructions in Appendix A of EN60335-1.
- In the event of faults or anomalies, or if the plastic parts of WHISTLE are damaged, disconnect from the mains, switch off the omnipolar switch immediately, and contact the seller.
- The supply cord cannot be repaired. If it is damaged, contact the seller to replace the whole WHISTLE; do not try to modify or repair WHISTLE. Do not attempt to remove the buttons or display: electric shock hazard; there is also a danger of water penetrating and damaging electrical components.
- Do not knock WHISTLE. Always handle with care and do not leave the device in wet areas.

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CONTROLLER INSTALLATION

1. Switch off the mains. Check the O-Ring on the nipple of the electric heating element is correctly inserted in the groove and it has no defects and damages - Fig. 2 (otherwise, replace it).

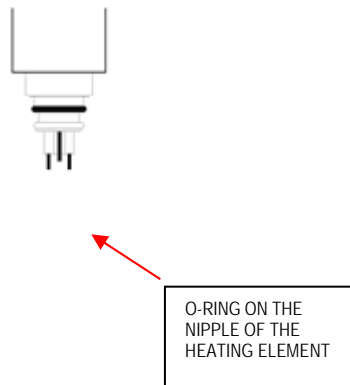


Fig. 2

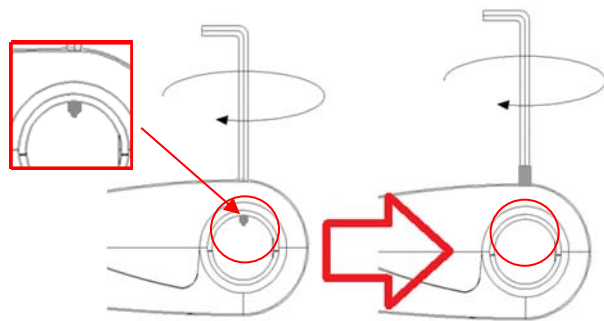


Fig. 3

Loosen if necessary the hex screw on the back of the controller until it cannot be seen through the hole in the top of WHISTLE (Fig. 3).

2. Insert the supplied O-RING from the bottom, positioning it under the fixing nut of heating element (Fig. 4).

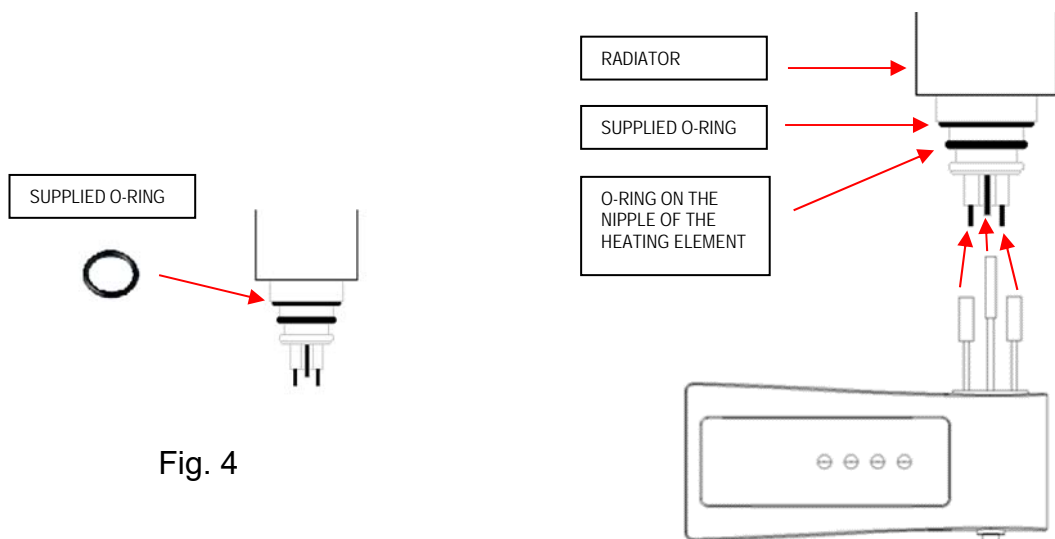


Fig. 5

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3. Delicately remove the wires from the hole in the top of WHISTLE and connect them to the electric heating element. For class I product connect the cylindrical contact on the yellow-green wire to the heating element pin. Connect the red wires, which are interchangeable, to the flat contacts (Fig. 5).

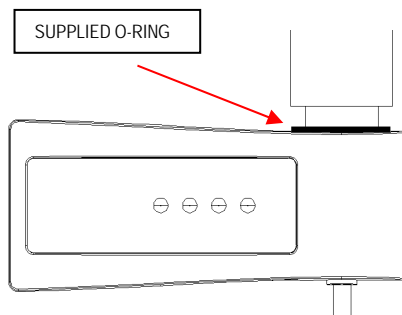


Fig. 6

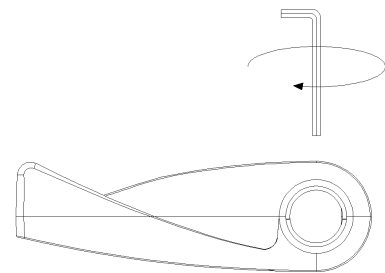


Fig. 7

4. Fit WHISTLE to the connection on the electric heating element (Fig. 6), pressing the controller until it is fully inserted and the supplied O- RING fully compressed. Make sure the wires go all the way into the WHISTLE and do not stick in the first part of the hole.
5. Tighten the hex screw keeping the Whistle pressed to the heating element; Be sure to keep the supplied O- RING fully compressed during the operation (Fig.6). The hex screw must disappear to the edge of the plastic. Close until it lock.
6. Check that the WHISTLE is securely fixed to heating element (Fig.7). Connect the controller supply cord to the mains according to the standards and regulations in force in the country where installation is carried out.

CONTROLLER OPERATION

WHISTLE has four buttons and a display (Fig. 8). ON/Stand-by button switches the regulator ON or puts it on standby: when WHISTLE is on standby, the display shows a flashing dot while when it is ON the display shows time and program in the chrono mode or the temperature setting in the other modes.

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The BUZZER emits one beep after the transition from STAND-BY mode to ON state. The beep duration is 1 second. Viceversa after the transition from ON state to the STAND-BY one, the BUZZER emits two short. Also when the WHISTLE is power-up, the buzzer behavior will be according the rule above.

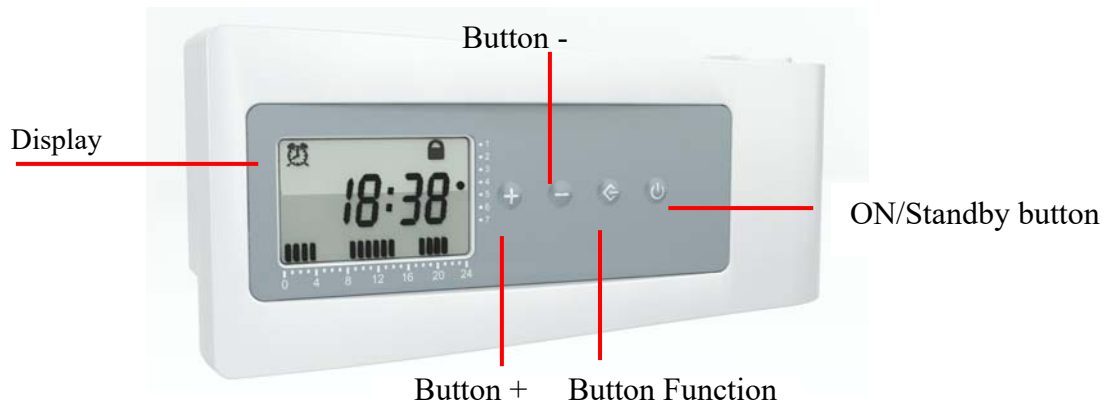







Fig. 8

STAND-BY FUNCTION


The display shows only the flashing dot. The temperature cannot be regulated and the electric heating element is off. Press the stand-by button to activate the thermostat.

WORKING DESCRIPTION

WHISTLE has 8 operational modes (see table below). To change the current mode, press the FUNCTION button.

MODES	Description
 CHRONO	Shows weekly programme at two temperature levels (high and low) established by the user hour by hour.
 PILOT WIRE	Pilot wire - for class II Whistle only Attention: in case of Class I Whistle models, if the Pilot Wire menu option is selected, then electronic control regulates the ambient temperature at the level set in comfort mode.
 COMFORT	Unlimited time regulation for high temperature
 NIGHT	Unlimited time regulation for low temperature
 ANTIFREEZE	Unlimited time regulation at 7°C



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2H	Forced Function (Boost), continuous heating at full power for the next two hours
	LCD lock function
F On F --	Open Window Detection function F On: function enabled. F -- : function disabled




Temperature settings are at two different levels, high and low. High temperature is used by the Chrono and Comfort modes. Low temperature is used by the Chrono and Night modes. The high temperature can be modified only in the Comfort mode and the low one only in the Night mode using the + and - buttons. During the setting modification, the high temperature could be decreased until the current low temperature value (the one shown in the Night mode) and viceversa the low temperature could be increased up to the current high temperature value (the one shown in the Comfort mode).

IMPORTANT: Changes in ambient temperature are normal with electronic thermostats when there are variations in the power required or when conditions outside the room change. The setting is appropriate only for radiators installed in standard environments. It is normal for the regulator setting to be different to achieve the same temperature in two separate places (effect of the surrounding environment).




CLOCK FUNCTION

The display shows a clock , current time and day and the daily program with the time range flashing. Ambient temperature is regulated according to the daily program. To change the temperature settings TH and TL, press the functions button .

COMFORT FUNCTION

The display shows a sun symbol  and TH temperature. To change the temperature setting, press the  or  buttons. Ambient temperature is regulated according to the TH setting.

NIGHT FUNCTION

The display shows a moon symbol  and TL temperature. To change the temperature setting, press the  or  buttons. Ambient temperature is regulated according to the TL setting.

ANTIFREEZE FUNCTION



The display shows a snowdrop symbol  and ambient temperature is regulated to an antifreeze threshold of 7°C.

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FORCED FUNCTION

The display shows “2H” and activates continuous heating at full power for the next two hours.




CLOCK PROGRAMMING FUNCTION

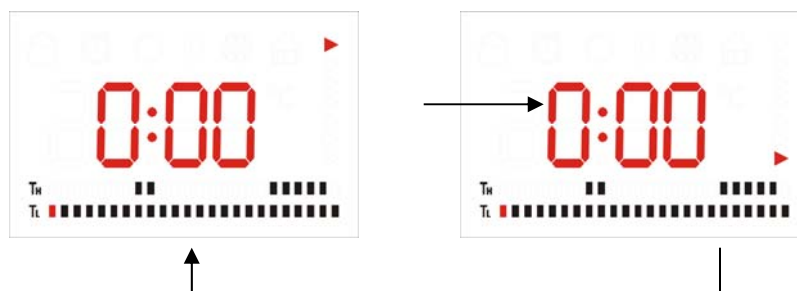
Whilst in the CLOCK function press  until the hours start to flash. Use the  button to select hours, minutes and day to set.





Use the  or  buttons to modify. After 5 seconds of inactivity the new time is memorised and the program goes back to the CLOCK function.

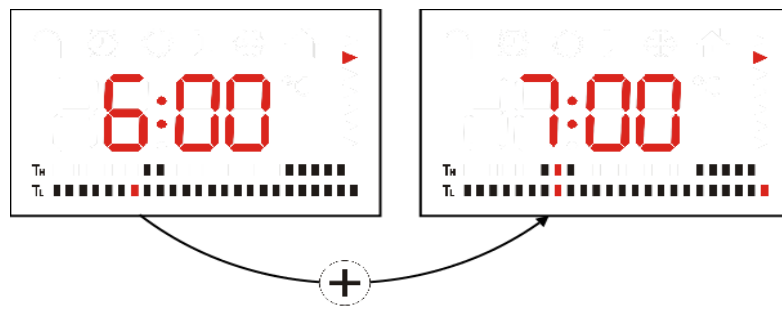
PROGRAM SET-UP FUNCTION


While in the CLOCK function, press  and  simultaneously until the time starts to flash. Use the  button to select the day of the week to program:






Use  to set a time range of an hour at TH temperature then go on to the next or use  to set a time range at a TL temperature and go on to the next one.

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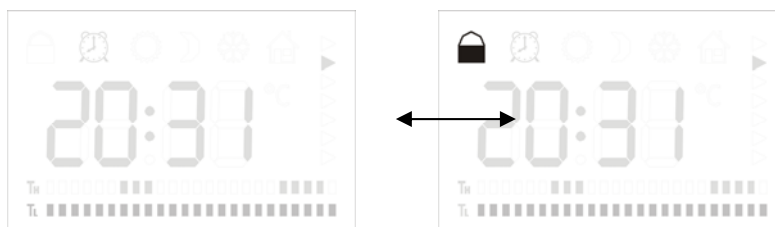
Press  for at least 2 seconds to copy the program for the current day onto the next day. After five seconds of inactivity, the program goes back to the CLOCK function.


If, during the time setting and weekly program, the ON/Stand-by button  is pressed, the WHISTLE goes into stand-by state, saving the new timing/date while the new weekly program is not saved. With a new pressing on the ON/Stand-by button , the WHISTLE goes into ON state into the mode that was present before the time setting.

In case of 230 Vac supply power cut off, the chrono weekly program, the high and low temperature are retained into the memory, instead the current time is lost. After the 230Vac power supply comes back, if chrono mode is selected, the symbol  and the display writing time flickers: in that case following the procedure described at the beginning of the paragraph it is possible to set the time. Until the operation is not performed, WHISTLE temporarily counts the time from the moment when the power supply 230Vac has become available again (and this "temporary" time is used in case you selects the chrono mode).

LOCK FUNCTION

Press  and  simultaneously for at least two seconds to enable or disable key lock.



With the locking function active is still possible to put the WIZZY in stand-by state or in ON state pushing the ON/Stand-by button , but it is not possible to change setting or mode.


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FAULT FUNCTION

The display shows the wording “Err” to indicate an error in the temperature sensor or electronics. Please contact the dealer.

OPEN WINDOW DETECTION FUNCTION

At factory exit, window function is set to ON (function enabled). In case of factory reset, then window function is set to ON as default set.

By using  button select Comfort Mode

Access to the window function setting (enabled= ON, disabled= --) by  and  keys pressed simultaneously and hold 1 second minimum.

Display according to function status: F On if function is ON (enabled), F – if function is OFF (disabled). All icon solids.




F On: Window Opening detection enabled



F --: Window Opening detection disabled

By using button  and  toggle function selection ON (F On) and OFF (F --).

By using  button saves status in memory. Otherwise time out 1 minute and no change in setting.

The window function is active in ALL THE OPERATING MODES, EXCEPT FOR THE ANTIFREEZE MODE.

If Window function is set to ON (F On) and temperature is stable, then decimal dot will be blinking. (Please, see the APPENDIX “STABLE TEMPERATURE”).



Decimal dot blinking, room temperature is stable

If window open is detected, then:

- a) Display change: snow symbol blinking added to current display.

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Snow symbol blinking when window open status is detected

The regulation setpoint is then 7°C (not displayed)

If window close detection, then the system gets back to the previous mode (comfort mode, clock mode, forced mode, or others)

- b) If press Standby : go to standby mode (with buzzer sound)
- c) If press any other buttons: cancel the window open and the system gets back to previous mode (comfort mode, clock mode, forced mode, or others).

Note: The open window detection works only when the room temperature is stable (visualized by decimal dot blinking). If the room temperature is not stable then the open window detection function does not work.

APPENDIX: STABLE TEMPERATURE

“Stability” means: temperature variation at the whistle sensor is now stable enough in order for the unit to distinguish a temperature variation coming from regulation process (normal variation) from a temperature variation created by the event “window open” (abnormal variation)

Example of instability cases:

- When you power up the towel heater, it takes time until the setpoint is reached.
- When you change the setpoint, then it takes time until you reach the new setpoint.

TECHNICAL SPECIFICATIONS

Operating voltage	230 V ±10% AC 50 Hz
Maximum el. input	2000 W
Insulation class	Class I
Protection rating	IPX4
Operating temperature	0 ÷ 50 °C
Storage temperature	-20 ÷ 70 °C
Operating humidity	0 ÷ 85% at 25 °C (without condensation)
Maximum altitude above sea level	2000 m
Temperature control	Buttons +/-
Temperature setting range	7 °C, 15–30 °C

Note: Default embedded settings for temperature regulation are based on standard radiator and environment.

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The unit must be installed in accordance with all national safety standards and regulations applicable in the country of installation.

The Whistle is compliant with the following standards:

APPLICABLE EUROPEAN STANDARDS

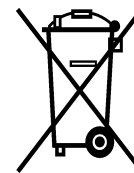
Electrical tests according to CEI EN 60335-1, EN 60335-2-43, CEI EN 55014-1, EN 61000-3-2, EN 61000-3-3, EN 55014-2, EN 50366:2008

APPLICABLE DIRECTIVES:

2002/95/EC and 2011/65/EU RoHS Directive, 2014/35/EU Low Voltage Directive and 2014/30/EU Directive EMC

PRODUCT DISPOSAL INSTRUCTIONS - THE EUROPEAN UNION

The crossed out symbol of a bin displayed on your product is a reminder that, within the European Union, all electric and electronic products must be collected separately at the end of their service life. Do not dispose of these products as unsorted municipal waste. Bring these products to a waste collection facility to prevent environmental or health damage due to uncontrolled waste disposal and to promote sustainable utilization of material resources. Disposal information can be obtained from product vendors, local waste management authorities or relevant national manufacturers.



The manufacturer disclaims all liability and responsibility for any inaccuracies contained in this document due to printing or translation errors. The manufacturer reserves the right to make any changes to its products deemed to be necessary or beneficial. This document and any part thereof may not be copied, altered or reproduced without the written approval.

WARRANTY

1. Seller's warranty applies only to the tightness, surface finish, specified parameters of heating output and pressure losses of heating units professionally installed in a closed hot water system in accordance with applicable standards and regulations, including the corrosion properties of the heat carrying liquid used exclusively as heating medium and never as service water.
2. All heating bodies must be professionally installed in accordance with applicable standards in a closed hot water system completed in a professional manner under VDI 2035 with respect to protection against damage caused by corrosion and scale.
3. The corrosive effects of the environment in which the heating units are installed shall not exceed the surface finish requirements set out in the applicable standard.
4. Electric heating units shall be professionally installed in accordance with applicable standards and standard regulations regarding appliance location in bathrooms, IPX4 rating — Zone 2, IPX1 rating — Zone 3. Units with a heating rod must be stored at a temperature above — 5°C.

Warranty periods:

- bathroom pipe radiators, warranty period of 5 years for white and colour radiators, 2 years for chrome radiators (from delivery to the customer).
- one-year warranty for the electronic controller and the heating rod from the date of sale. All warranty repairs of electric heating units are to be carried out exclusively at authorized locations.

The warranty covers only manufacturing and/or material defects which occur during the warranty period.

The warranty can be claimed against this warranty card and the original purchase document (receipt) issued by the seller in respect of the product purchased. This document must include an identification of the product,

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the date of sale and the retail outlet stamp. Copies and receipts with missing data will not be accepted for warranty purposes. The warranty can be claimed directly with the seller.

The customer's right to warranty repairs shall be forfeited in the event that the heating units were:

- installed in buildings, at facilities or on premises where higher levels of humidity are a concern; this applies particularly to public toilets, car wash facilities, animal pens, indoor swimming pools, etc.;
- stored outdoors exposed to the elements and/or stored at temperatures below -5°C ;
- damaged and their water tightness compromised due to corrosion caused by, for example, inappropriate chemical composition of the heat-transfer fluid;
- deformed as a result of improper transport or exceeding the maximum operating excess pressure limit;
- mechanically damaged by the purchaser or in transit;
- unprofessionally installed or their framework was tampered with without approval of the seller;
- used for other than normal purposes, particularly for drying fabrics directly on the radiators without the use of the appropriate drying equipment and accessories, which causes damage to the surface finish;
- any changes made in the warranty card by an unauthorized person;
- failure to complete or loss of the warranty card.

The warranty shall not apply to wear beyond normal wear and tear. If no defect caused by the manufacturer is detected during the inspection or if warranty conditions are not met, all costs associated with said inspection and/or repair shall be borne by the purchaser.

All defective units sent by post must be properly wrapped in the original packaging.