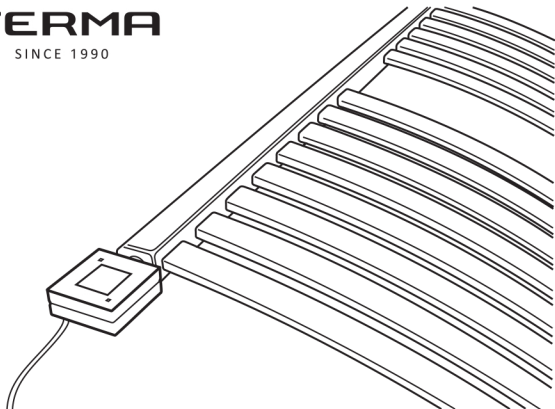




TERMA

SINCE 1990



Instruction Manual

CNM Online

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Dear Customer,

Our products are invented to meet the highest standard of quality, functionality, and design. Before installation, for optimum performance and safety, please read this instruction carefully. Please keep this manual for future references.

Terma Sp. z o. o. Team



PRODUCT DESCRIPTION

1. Performance: the radiator is made of low carbon steel and is either powder coated or galvanic plated. It is filled with synthetic oil heating agent and equipped with electronically controlled heating element*.

2. Technical details:

All details regarding our product including the protection class of the appliance can be found on the last page of this manual.

3. Purpose: heating rooms, cloths or towels (please see point "SAFETY RULES").
4. Place of use: all rooms with normal humidity (including bathrooms and kitchens), without exposition to corrosion substances.
5. Installation: to the wall – with attached brackets, to the mains – in version with plug only to the socket with earth connection. Version without plug – please find below color code for wires:

Class I:

Colour	Symbol	Type of wire
Brown	L	Live
Blue	N	Neutral
Yellow-Green	PE	Protective earth

* products intended for central heating systems are fitted with appropriate installation connections and are not filled with oil.

Class II:

Colour	Symbol	Type of wire
Brown	L	Live
Blue	N	Neutral
Black	FIL-Pilote	Commandable

Construction of radiator and physical properties of the liquid cause irregular distribution of heat inside the radiator. See more: "NATURAL PERFORMANCE PROCESS".



GENERAL NOTES ON INSTALLATION

**PLEASE CONSIDER THE GUIDELINES PRESENTED IN THE INSTRUCTIONS
MANUAL ATTACHED TO THE DEVICE CONTROLLER HEAD.**

1. Please secure product during transportation and installation to avoid possibility of any harm or damage.
2. Do not use extension cord for plugging the product.
3. Connection to electricity has to be resistant to humidity and moisture damage according to the local regulations in the country of installation.
4. Location of installation should guarantee a close access to electric connection in order to:
 - avoid tension on a cord,
 - minimize risk of mechanical damage of the cord,
 - prevent access of unauthorized person and pets as well.
5. Due to the heat generation, a radiator/towel rail cannot be fitted directly below a socket or any other element affected by high temperatures.
6. It is recommended that qualified persons should make all electrical and plumbing connections.

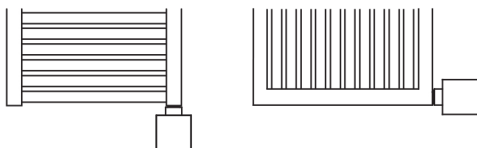
ATTENTION!

If you do not apply to above requirements it may cause loss of life, injury or property damage.

INCORRECT INSTALLATION



CORRECT INSTALLATION



INSTALLATION DETAILS

1. Please secure product during transportation and installation to avoid possibility of any harm or damage.
2. Do not use extension cord for plugging the product.
3. Depending on the type of the mounting brackets please refer to the instruction manual included with the radiator.



SAFETY RULES

PLEASE CONSIDER THE GUIDELINES PRESENTED IN THE INSTRUCTIONS MANUAL ATTACHED TO THE DEVICE CONTROLLER HEAD.

1. Be careful when putting hands between pipes of the radiator.
2. In case of drying clothes, beware of the maximum temperature allowed for the clothes – to avoid possible damage of your belongings.

CAUTION !

Detergents used for washing can cause permanent discolouration of radiator paint coating as well as of the chrome plating. The Manufacturer's warranty does not cover such faults.

3. After taking dry cloths off the radiator, its surface may be very hot. Be careful and wait for the temperature to decrease to a safe level.
4. When using electric heating element please follow basic safety rules listed below:
 - a. Do not allow to flood any parts of electric heater with any fluid,
 - b. Do not touch the radiator while standing with bare feet on the ground or touching any grounded objects (e.g. bathtub, faucet, etc.) at the same time, especially in higher humidity conditions.
5. Do not put loads exceeding 5 kg on the radiator.
6. Any changes in the construction of the radiator and heating element, as well as any repairs, must be conducted by the manufacturer only.
7. Access of unauthorized persons should be avoided.

INSTALLATION AND FIRST ACTIVATION OF ELECTRIC HEATER

Information on how to install and activate the electronic controller can be found in separate manual which is attached to the heating element.



MALFUNCTION

IF YOU NOTICE ANY OF THE SYMPTOMS BELOW:

1. Heating fuel leaking,
2. Deformation of pipes or collectors,
3. Any other sign of abnormal work;

switch the device off and contact the seller immediately.



ATTENTION! In case of heating fluid leak remain extra carefull – fluid contains dangerous substances that – in case of contact – may harm skin, eays or lungs.

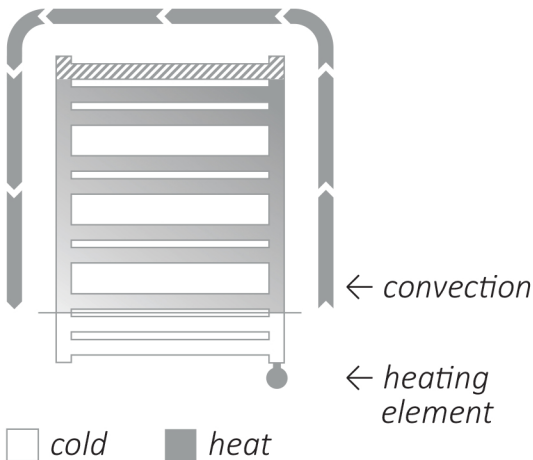
NATURAL PERFORMANCE OF RADIATOR

Because of the circulation of the heating agent in the radiator, collector that is directly connected to the heating element will always be the warmest part of the radiator, especially its upper section. At the same time the lower parts will always be cooler. Such phenomenon is absolutely normal and may not be the reason for claim.

There is also the so-called “dead-zone” in the radiator which is a non-heating section just above the heating element that is designed to isolate the element from the heat (in case when the heater is installed directly into the radiator and not via T-fitting)

In tight or very high radiators the highest parts may be colder than the rest of radiator due to the airbag in the top parts. It may happen especially a few minutes after the heating element starts working.

For more information please see our website: www.termagroup.pl.





MAINTENANCE

1. Temperature of liquid inside the radiator must be higher than -15°C .
2. It is recommended to keep radiator clean and tidy – for cleaning please use products without any solvents or rub materials.
3. It is not allowed to paint radiator with any paint or varnish.
4. Any repairs or changes to the construction of the radiator should be performed by the producer only.

UNINSTALLATION OF THE RADIATOR

1. Plug off the power cord.
2. In case of KTX heating element – unplug control box (according to KTX manual).
3. Depending on the model of a radiator, please remove it as instructed in the attached manual.





RECYCLING OF RADIATOR

It is very important to recycle used electric goods to avoid pollution of dangerous consequences for natural environment and human beings. Please handle all waste according to the local law. Please note that radiator and heating element must be recycled in a proper way. According to the law your distributor is obligated to accept and recycle the used radiator. In case of any trouble or other queries please contact Terma Sp. z o.o.



WARRANTY

1. This warranty concerns electric towel radiator. The name of the model as well as its properties have been listed on the packaging.
2. The attached manual is an integral part of the warranty. Therefore before you start using the product, please read the manual carefully.
3. Upon receipt of the controller, the customer confirms that it is a product of full value. In case of discovering any defects, the customer is obliged to inform the sales assistant about them, as otherwise it is assumed that the seller provided the product without any defects. Please check especially quality of surface.

4. The warranty period from the day of purchase:
 - a. 8 years for the radiator.
 - b. 2 years for electric elements (control box).
 - c. In case of chrome radiator – 3 years for galvanic cover.
5. The evidence of purchase should be included with the warranty claim. The Manufacturer has the right to reject a claim if the proof of purchase is missing.
6. The guarantee does not cover the following defects:
 - caused by improper (not consistent with the manual) installation or uninstallation,
 - resulting from improper usage of the radiator,
 - occurring as a result of any changes to the product made by unauthorized personnel,
 - caused by the Customer after the reception of the product from the Seller.
7. The manufacturer is obliged to repair the defect within 14 working days from the date of delivery to his headquarters.
8. If repair is not possible, the manufacturer is obliged to replace the faulty device with a new, fully functional device.
9. In case of replacement with a new product warranty period starts again.
10. This warranty does not affect your customer rights.
11. In case of any doubts concerning the performance of the radiator and heating element please contact our Customer Support.