



LAVA STAND

Infrarotheizung / Infrared heating
300 W / 450 W

Montage- und Gebrauchsanleitung

Installation instructions and instructions for use

Installatie- en bedieningsinstructies

Guide de montage et d'utilisation

Istruzioni di montaggio e d'uso

Uputa za montažu i uporabu

Navodila za montažo in uporabo

INTRODUCTION

These instructions are important for the safety, installation, use and maintenance of the appliances. Please read the information in these instructions carefully and keep the instructions to refer to later.

The manufacturer is not liable if the following instructions are not followed. The appliances must not be misused, i.e. contrary to their intended use.

The packaging of your high-quality infrared heater is made of recyclable materials.

This heater is not intended to be used by persons (including children) with limited physical, sensory or mental capabilities or lack of experience and knowledge. Unless they are supervised by a person responsible for their safety or receive instructions from then on how to use the appliance. Children should be supervised to ensure that they do not play with the appliance.

Overheating or overload protection

Each radiator has overheating protection, which triggers in case of overheating. The appliance restarts automatically after it has cooled to below 45 °C.

These instructions must

- be handed over to the owner/operator after installation. In addition, the owner/operator must be instructed in how the - radiation-type heating appliance works.
- be kept carefully and handed over to the new owner in case of a change in owner.

This appliance can be used by children of 8 years of age and older and by persons with reduced physical, sensory or mental capacity or lack of experience and knowledge if they are supervised or have been instructed in safe use of the appliance and they understand the resulting risks. Children may not play with the equipment. Cleaning and user maintenance may not be carried out by unsupervised children.

The heater may not be used if the surface is damaged. To prevent overheating of the appliance, the heater must not be covered. Children younger than 3 years old must be kept away from the heater, unless they are monitored continuously. Children aged 3 years to 8 years may only switch the appliance on and off if they are supervised or if they have been instructed in safe use of the appliance and have understood the resulting hazards, provided that the appliance is positioned or installed in its intended position for use. Children aged 3 years to 8 years may not insert the plug into the socket, control the appliance, clean and/or carry out maintenance on the appliance.

The appliance may only be started up in its mounted condition. This heater may not be used in the immediate vicinity of a bath, a shower or a swimming pool. If installed in bathrooms, the appliance must be attached so that switches and other controllers cannot be touched by a person in the bath or under the shower. The heater may not be used in small rooms occupied by persons who cannot leave the room independently, unless continuous monitoring is ensured.

Several parts of the product can get very hot and cause burns. Particular caution is required if children and people requiring protection are present.



IMPORTANT: Any type of load on the surface, whether persons leaning on the appliance, or objects or other force effects must be avoided!



IMPORTANT: Environmental influences such as direct sunshine, extensive smoke exposure, open fireplaces, etc. can cause discolouration of the surface of the LAVA® STAND infrared heater.



IMPORTANT: Hot surfaces of the appliance can cause burns. Switch off the appliance and allow it to cool before any maintenance or service work.



WARNING: Covering the surface causes a risk of overheating! Even local covering of the front, e.g. with a hand towel can cause overheating and damage to the heating element.

WARNING: The infrared heater may not be used if the front is damaged.

The LAVA® STAND is an infrared radiation-type heater with high radiation intensity. It is characterised by its homogeneous temperature distribution and fast heating response. Thanks to its

internal insulation, it achieves a maximum radiation intensity in the room. Standard LAVA® STAND appliances are delivered only with a LAVA-R control.

CONTENTS AND PACKAGING

The LAVA® STAND infrared heater is delivered completely pre-assembled.

Standard contents:

- LAVA® STAND 300 W / 450 W
- Installation instructions

INSTRUCTIONS / NOTES

Important information

- LAVA® design infrared heaters made by ETHERMA meet the relevant safety regulations.
- They may only be installed and put into service, repaired and serviced by a licensed professional or a qualified person in compliance with all safety regulations. They must check beforehand whether the electrical installation in the house conforms to the relevant standards. The manufacturer's responsibility is limited to delivery of the appliance.
- The country-specific safety regulations must be complied with.
- Local protection measures must be complied with.
- The appliances are also suitable for mounting on a wall.
- If the appliance is installed in bathrooms, the protection areas according to DIN VDE 0100 Part 701 must be complied with.

- The minimum distances given must be complied with.
- The appliance may only be operated in its original condition, without changes and only if it is in a technically faultless condition. All protection devices must work faultlessly and be freely accessible.

Note: In bathrooms, the appliance must be attached so that switches and other controllers cannot be touched by a person in the bath or under the shower.

Note: Due to the low surface temperature at the back of the appliance, the infrared heater may also be mounted on wooden walls.

Note: The appliance is not intended to be used in cloakrooms or under church pews

PUTTING INTO SERVICE

Starting up the design infrared heater

Before starting up the heater, please check the power connection cable and the surface of the heater. They must not be damaged.

1. Position the LAVA® STAND infrared heater in the required place of installation.
2. Fold out the foot at the back completely until it stops.
3. Check the appliance is in a fixed stable position.
4. You can now plug in and start up the appliance. You can use the LAVA-R control to set your own required feelgood temperature.



IMPORTANT: The LAVA® STAND infrared heater must be checked for its stable position before starting up.



IMPORTANT: If the mains connection cable of the appliance is damaged it must be replaced by a skilled, qualified person without delay.

INSTRUCTIONS FOR USE FOR THE USER

Heating mode

Depending on the thermal insulation standard, you need between 30 W/m² and 200 W/m² living space. The heating output of the LAVA® design infrared heater has a very high radiation component and a low convection component. For safety reasons, the maximum surface temperature is approx. 120 °C; the total output of the appliances is therefore limited.

The LAVA® design infrared heater made by ETHERMA primarily heats solid bodies and only heats the room air to a small extent, so that these appliances are excellent for additional temperature control. To achieve the same feeling of comfort as with a convection heater, the room air temperature can be lowered by approx. 2–3 K. Each degree lowered can save up to approx. 6 % heating costs, depending on the heating behaviour of the user and the thermal installation standard.

The LAVA® design infrared heater is only switched on additionally if the room is actually being used, and the radiation provides heating for the people in the room. Depending on the size of the appliance, the LAVA® design infrared heater needs a certain amount of time until it reaches its operating temperature. Only then does the radiation effect come into its own.

Care and maintenance

The LAVA® design infrared heater is designed to emit heat via its surface in the form of radiation. There are no parts in or on the appliance that require particular maintenance. We recommend using a damp cloth to clean your infrared heater. Please do not use abrasives, as they can cause a scratched surface.



IMPORTANT: Do not clean the LAVA® design infrared heater unless it is cold!

At the control module there is a 2-stage ON/OFF switch and a "+" and "-" arrow button for setting the temperature and a two-digit digital room temperature display.

- The flashing dot at the bottom right edge of the display means active heating mode.
- After approx. 30 seconds, the display switches to POWER SAVING MODE.
- Press an arrow button once to reactivate the ACTUAL room temperature display.
- SWITCH POSITION I: The appliance is operated at half its rated power and reaches a surface temperature of approx. 60 °C to 70 °C.
- SWITCH POSITION II: The appliance is operated at its full rated power and reaches a surface temperature of approx. 85 °C to 95 °C.
- Press an arrow button repeatedly to adjust the required SETPOINT room temperature up or down in 1-K steps.

CALIBRATION

- If the displayed ACTUAL room temperature is too high, the room temperature sensor at the back of the infrared heater must be checked first.
- Follow the instructions for installation of the control module!
- After checking, the displayed room temperature can be calibrated up or down.
- Use the "+" arrow button to set the setpoint temperature to 35 °C first.
- Then press the "+" arrow button (approx. 5 seconds), until "00" or the set calibration value is displayed.
- Use the "+" and "-" arrow button to calibrate the ACTUAL temperature display up or down.
 - UP: display right digit
 - DOWN: display left digit
- After approx. 10 seconds the display returns to the temperature display.

PREPARATION FOR THE eNEXHO LINK

5. Press "-" arrow button until 0 °C appears in the display
6. Press the "-" arrow button until "1" appears in the display ("Learn mode" is active).
7. Follow the separate instructions for the eNEXHO NT module.

TECHNICAL DATA

LAVA® STAND		
Output [W]	300 W	450 W
Art. No.	44897	44898
Dimensions [mm]	620 (H) x 620 (L)	900 (H) x 620 (L)
Weight [kg]	7.5	10.5
Colour	White (RAL 9016)	
Rated voltage	230 V	
Surface temperature	max. 95 °C	
Surface	textured	
Body	Steel housing	
Appliance/installed depth	22 mm / 52 mm	
Degree of protection	IP X4	
Connection cable	1 m, 3 x 1,5 mm ² power cord	
Control	Yes	
Guarantee	5 years	
Control position	left	

LAVA-R	
	868 MHZ
	31 x 251 x 62 mm
	16 A, 230 V
IP	24
°C	+60 °C/+ 95 °C

Used in conjunction with an ecodesign compliant thermostat, the product data complies with the EU Regulations of the Directive establishing a framework for the setting of ecodesign requirements for energy-related products (ErP).

Faults

Appliance does not heat:

- Fuse has tripped or is defective?
- External switch in supply cable is switched off?
- Setpoint temperature of the room temperature controller is set lower than the actual temperature of the room?

Radiation heat too low:

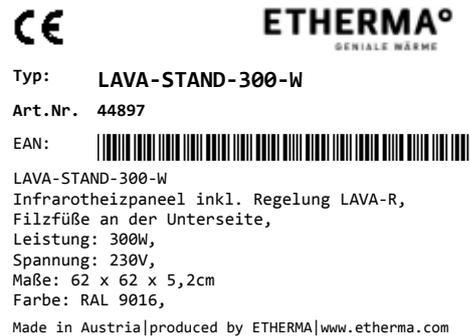
- Distance between radiation-type heater and person is too large?
- Chosen appliance size too small?
- Objects positioned between radiation-type heater and person?

APPLIANCE NAMEPLATES

The type-specific technical data are given on the appliance nameplate/rating plate. Depending on whether the appliance is installed vertically or horizontally, you will find the appliance nameplate at the top or on the left side of the appliance.



Example graphic: LAVA® STAND rating plate



Example graphic: Serial number

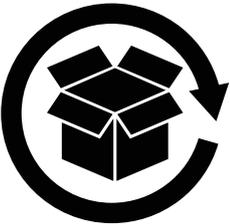
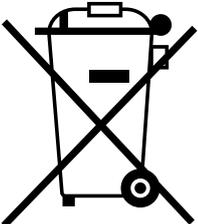
GENERAL GUARANTEE TERMS

Dear Customer,

Please note our general terms and conditions of business. In the event of guarantee cases, the national legal claims apply, which you must make directly against your dealer/supplier.

IMPORTANT: Waste electrical and electronic equipment often contains many valuable materials. They can also contain harmful substances, which were necessary for their function and your safety. These can harm the environment if placed in the residual waste or if handled wrongly. Please help to protect our environment! Therefore, never throw your end-of-life device into the residual waste bin. Dispose of your end-of-life device according to the relevant local regulations. Dispose of packing materials, subsequent replacement parts and device parts properly.

PROVISO: We reserve the right to make changes without notice. Changes, errors and printing errors are not grounds for a claim for compensation.

 A black and white icon showing an open cardboard box with a circular arrow around it, indicating that the packaging is recyclable.	The cardboard packaging can be recycled.
 A black and white icon of a wheeled trash bin with a large 'X' over it, indicating that electrical appliances should not be disposed of in household waste.	Do not throw away the electrical appliance in the household waste, take it to your local recycling depot.