



LAVA2-DESK-80-S



LAVA2-DESK-80-T

LAVA[®] DESK 2.0

Untertisch-Infrarotheizung / Underdesk infrared heating

Montage- und Gebrauchsanleitung

Installation and usage instructions

Installatie- en bedieningsinstructies

Instructions d'installation et d'utilisation

Istruzioni per il montaggio e l'uso

GENERAL

ETHERMA LAVA® design infrared heaters are versatile direct heating devices. They are characterised, in particular, by their elegant design, ease of installation and operation, high reliability and maximum radiation power with minimal convection.

These instructions provide important information on safety, installation, use and maintenance of the device. Please read the information provided in these instructions carefully and keep for reference in case you will have questions at a later occasion.

The manufacturer shall not be held liable if these instructions are not complied with. Devices may not be used improperly, i.e. for purposes other than the intended use.

The packaging of your high-quality LAVA® design infrared heater is made from recyclable materials.

THESE INSTRUCTIONS MUST

- › be given to the operator following installation. The operator must also be instructed in the infrared heater's functionality.
- › be kept safe and transferred to the new owner in case of a change in ownership.



WARNING: Covering the surface creates a danger of overheating. Overheating may occur and the heating element may be damaged by covering the front of the device, e.g. with a hand towel.

WARNING: The infrared heating may not be used if the front of the device is damaged.

OVERHEATING AND OVERLOAD PROTECTION

All heaters have overheating protection which is activated in the event of overheating. The device only resumes operation automatically again after having cooled down.



ATTENTION: Hot surface of the device may cause burn injuries. Switch off the device and let it cool down before carrying out maintenance and service works.

This heating device is not intended for the use by persons (including children) with a limited physical, sensory or mental capacity or with a lack of experience and knowledge. Such individuals must be supervised by a person responsible for their safety or instructed on use of the device. Children should be supervised in order to ensure that they do not play with the device.

This device can be used by children of 8 years and older and by persons with reduced physical, sensory or mental abilities and with a lack of experience or knowledge if they are supervised or have been instructed on safe use of the device and understand the resulting risks. Children may not play with the device. Children may not clean the device or perform maintenance on it without supervision.

Children under the age of 3 should be kept away unless under constant supervision. Children between the ages of 3 and 8 may only switch the device on and off if they are supervised or have been instructed regarding safe use of the device and understand the resulting risks, as long as the device is placed or installed at its intended place of use. Children between the ages of 3 and 8 must not plug in the device, control the device, clean it and/or carry out maintenance.

The device may only be operated once installed. This heater may not be used in the immediate vicinity of a bath, shower or swimming pool. When installing the device in a bathroom, the device must be mounted so that switches or other regulators cannot be touched by persons in a bathtub or shower. The heater may not be used in small rooms occupied by persons who cannot leave the room independently, except where constant supervision is guaranteed.

Some product parts can become very hot and cause burns. Particular caution is required when children or vulnerable persons are present.



ATTENTION: Strain of any kind on the surface, whether from persons or objects leaning against it or from other forces, must be avoided!

NOTES

IMPORTANT NOTES:

- › LAVA® infrared heating devices comply with the relevant safety requirements.
- › Installation and initial start-up, as well as repairs and servicing, may be carried out by a licensed specialist or qualified individual only. All safety regulations must be observed. This person must verify first whether the electrical in-house system complies with the relevant standards. The responsibility of the manufacturer is limited to supply of the device.
- › Comply with country-specific safety regulations.
- › Comply with local safety precautions.
- › The devices are suitable for the installation under tables or on walls.
- › Protective areas must be observed in accordance with DIN VDE 0100, part 701, when installing the device in bathrooms.
- › Minimum distances must be adhered to.
- › In bathrooms, the device must be mounted so that switches or other regulators cannot be touched by persons in a bathtub or shower.
- › The device is not intended for the use in wardrobes and beneath church benches or open space areas.

SCOPE OF DELIVERY | PACKAGING

The LAVA® infrared heating must be mounted exclusively using the fixing components included in the scope of delivery.

STANDARD SCOPE OF DELIVERY FOR WALL MOUNTING:

- > LAVA® DESK 2.0
- > 4 x wood bolts M4 x 15
- > 1 x adhesive clip
- > 1 x cable tie

Screws and dowels (not included in the scope of delivery) must correspond to the construction material of the wall (masonry, concrete, plasterboard, etc.) or table.



ATTENTION: The table or wall must be even. Otherwise damages on the surface of the LAVA® infrared heating device may occur.

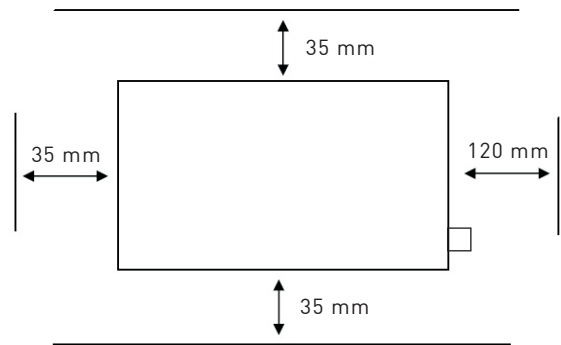
CLEARANCES

INSTALLATION AND MINIMUM DISTANCES:

LAVA® infrared heating devices have to be mounted so that flammable objects cannot catch fire. Be absolutely sure to comply with minimum clearances, in particular to highly combustible objects such as curtains, upholstered furniture, etc. Please also make sure that the infrared heater can radiate freely into the room.



ATTENTION: Strain of any kind on the surface, whether from persons or objects leaning against it or from other forces, must be avoided!



Dimensional drawing: minimum mounting clearances

UNDER TABLE OR WALL MOUNTING

The heater is attached to the back by screwing on the desk or on a suitable surface. For this four holes are provided on the device. For wood mounting screws are included, for mounting on other surfaces such as masonry appropriate mounting screws must be used. These are not included.

The preferred installation position is in the knee area of the desk. The continuous temperature measured at the heating element should not exceed 70 ° C, not even caused by externally applied heat, e.g. external heating.

Please check the power connection cable on the heater and the surface before installation. These must not be damaged.

1. Make holes on the underside of the table top or on the wall - please note the specified hole spacing here.

NOTE: If the LAVA® DESK is mounted vertically on the wall, the cable exit (Plug) must be at the bottom.

2. The double-sided tape is only used for easier installation under the desk. Attach the device with the double-sided adhesive tape and fix it with screws.
3. Plug the supplied connection cable into the device. The plug must be carefully engaged.
4. Secure the end of the plug with the supplied adhesive clip and the cable tie against falling.



ATTENTION: Storage heat must be avoided at all costs.



ATTENTION: Observe the minimum clearances and use the prescribed mounting holes.

ELECTRICAL CONNECTION

The heater is designed for permanent connection to a wall jack or socket. The device is connected to the AC mains system by putting the power cord into a connection socket.

NOTE

The connecting cable can be extended using a cable of the H05VV-F3G1,50 type. A direct connection to a permanently laid cable may only be implemented up to a diameter of 1.5mm² (e.g. NYM-J3G1,5mm²). The length of the connecting cable must be between 1.0 and 1.9 m.

An all-pole disconnecting device with a minimum contact opening width of 3 mm has to be mounted into the fixed electrical installation in compliance with the installation regulations.

HEATING MODE

In the LAVA2-DESK-80-S version, the heater is operated using the on / off switch. A connector cable with dimmer and timer function (ET-DESK-DIMM) is available separately, which is plugged directly into the device instead of the connector cable supplied. This can be ordered as an accessory. Please observe the operating instructions for the power dimmer.

In the LAVA2-DESK-80-T version, the heater is supplied with the ET-DESK-DIMM connection cable. Please observe the operating instructions for the power dimmer

Removing the plug due to a fixed installation will not void the warranty.

ELECTRICAL CONNECTION

MAINTENANCE AND CARE

The LAVA® infrared heating is designed so that it gives off its heat via the surface in the form of radiation. The device does not contain any parts requiring special maintenance. In order

to service your infrared heater, we recommend using a damp cloth. Please do not use any scouring agents, since they may leave scratch marks on the surface.

TECHNICAL DATA LAVA® DESK 2.0



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|------------------------------|-------------------------------|----------------------|-------------------------|
| > Rated voltage: | 230 V | > Protection rating: | IP 21 |
| > Power consumption: | 80 W | > Connector cable: | 2 m incl. on/off switch |
| > Surface temperature: | max. 70 °C | > System design: | EC compliant |
| > Surface: | Smooth surface | > Dimensions: | 700 x 280 x 15 mm |
| > Frame: | Steel housing, white RAL 9016 | > Warranty: | 5 Years |
| > Device/Installation depth: | 15 mm | | |

Type	Art. no.	Power output (W)	Length (mm)	Width(mm)
LAVA2-DESK-80-S	41235	80	700	280
LAVA2-DESK-80-T	41204	80	700	280
ET-DESK-DIMM	40914	Connection cable with dimmer & timer function, 2 m, white		



Included:
LAVA2-DESK-80-S



Included:
LAVA2-DESK-80-T

INFORMATION ON ENERGY CONSUMPTION

In combination with an Ecodesign-compliant thermostat, the product data complies with the EU regulations on the Ecodesign Directive (2009/125/EC) for energy-related products (ErP).

Faults

Device does not heat:

- > Has the fuse been triggered or is it defective?
- > Is the external switch in the supply line switched off?
- > Is the setpoint temperature of the room temperature controller set lower than the actual temperature of the room?

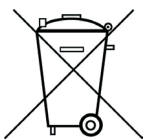
Radiation heat too low:

- > Is the distance between the radiation heater and the person too long?
- > Has the device size been selected too small?
- > Are there objects placed between the radiation heater and the person?

GENERAL WARRANTY CONDITIONS

Dear customer!

Please observe our general terms and conditions. Country-specific legal entitlements apply to warranty claims; please assert such rights directly through your distributor.



ATTENTION: Many old electrical and electronic devices contain valuable materials. However, they can also contain harmful substances which were required for their operation and safety. Such substances may damage the environment if disposed of in residual waste or handled incorrectly. Please help us to protect the environment. Do not place your old devices in the residual refuse. Dispose of your old device in accordance with applicable local regulations. Properly dispose of packaging material, future replaced parts and/or components.

RESERVATION: We reserve the right to make technical changes. Modifications, errors and misprints shall not constitute grounds for damages.