



DE Installations- und Betriebsanleitung für
Glas Infrarotheizungen Typ WS/SP/TA

EN installation guide and operating manual for
glass infrared heaters type WS/SP/TA

ES Manual de instalación y uso para radiadores por
infrarrojos Welltherm con acabado en
vidrio. Modelos WS/SP/TA

welltherm®



EN Installation guide and operating manual for
glass infrared heaters type WS/SP/TA

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Caution

For ceiling mounting, it is mandatory to use glass
mounting clip art. no.
14170 or 14171!
Please observe point 1.2 of the mounting instructions.

1 - Safety



Please read this installation guide and operating manual carefully. Take good care of this manual as well as any accompanying documentation. Make sure all documentation accompanies the heater if you decide to pass it on to someone else.

1.1 - Warnings

Classification of the action-related warnings

The action-related warnings are graded as follows with warning signs and signal words relating to the severity of the potential hazard:

Warning signs and signal words



Danger!
Immediate danger to life or danger of severe personal injury



Danger!
Danger to life due to electric shock



Warning!
Danger of minor personal injury



Caution!
Risk of material or environmental damage

1.2 - Safety note for ceiling mounting and mounting instructions of glass holders



Ceiling mounting of glass heaters is strictly prohibited without the use of the glass holders!
In case of improper use or use not in accordance with the instructions, the manufacturer assumes no responsibility for safety.



eckige
Heizung
*square
heater*



runde
Heizung
*round
heater*

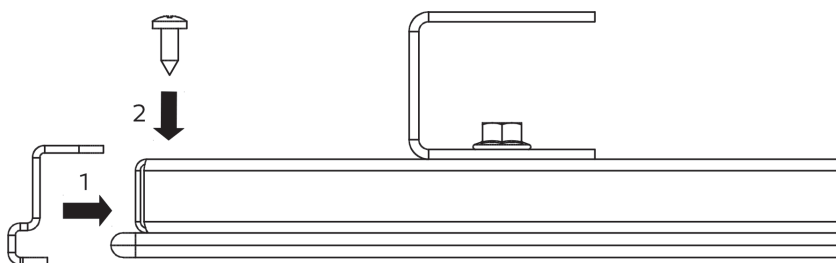
Accessories

Glass holder set 14170 for round glass heaters consisting of 2x glass holders white and 2x drilling screws.

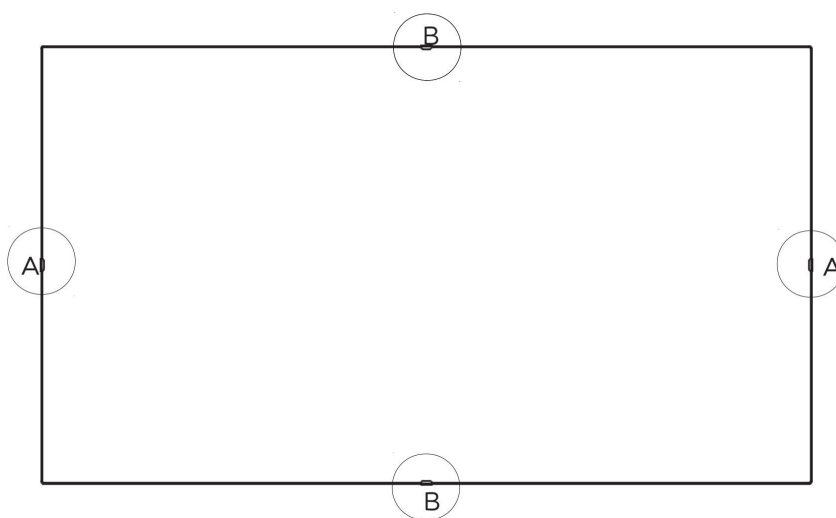
Glass holder set 14171 for angular glass heaters consisting of 2x glass holder white and 2x drilling screws.

Mounting of the glass holder on rectangular glass heater

1. Place the glass holder opposite to each other.
 2. Screw the glass holder directly to the rear wall by using the drilling screws.
- Alternatively, you can also pre-drill (hole $\varnothing$ max. 2.8mm).

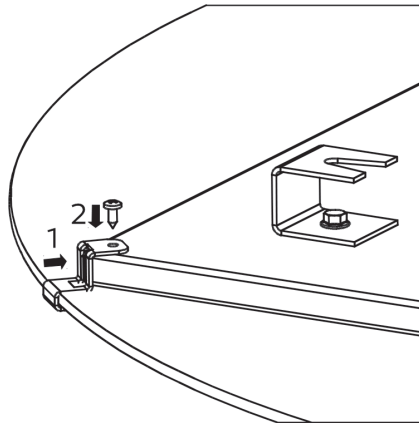


The recommended positions are combinations A-A or B-B. Alternatively, both combinations are also possible (Glass holders can be ordered separately as accessory set, see accessories).

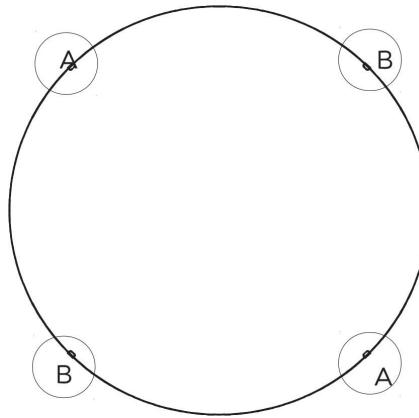


Mounting of the glass holder on round glass heater

1. Place the glass holder on the edges opposite to each other.
2. Screw the glass holder directly to the rear wall by using the drilling screws. Alternatively, you can also pre-drill (hole $\varnothing$ max. 2.8mm).



The recommended positions are combinations A-A or B-B. Alternatively, both combinations are also possible (Glass holders can be ordered separately as accessory set, see Accessories).



1.3 - Intended use

Improper use or use not as intended may result in danger to the life and limb of the user or third parties or cause damage to the product and other material damages.

The product is used to increase the room temperature in closed residential spaces.

Proper use includes:

- Observing the enclosed operating instructions for the product and all other system components.
- Installation and assembly in accordance with the product and system certification.
- Compliance with all inspection and maintenance conditions listed in the manual.

Keeping children younger than 3 years of age away from the system, unless they are constantly supervised.

Children above 3 years of age and younger than 8 may only switch the product on/off if they are supervised or have been instructed in the safe use of the product and fully understand the resulting hazards that may occur, assuming that the product is placed or installed in its normal position of use. Children above 3 years of age and younger than 8 must not insert the plug into the power socket, adjust the product, clean the product nor should they perform maintenance as the user of the product.



Caution - some product parts can get very hot and cause burns. Special care should be taken if children and vulnerable persons are present.

Children should not be allowed to play with the product.

Any use other than what is described in this manual or use going beyond what is listed here shall be considered improper.

Proper use also covers installation in accordance with the IP class.

Improper use also includes any type of direct commercial or industrial use.

Attention!

Any unauthorised use is prohibited.

1.4 - General safety instructions

Danger due to incorrect operation

Incorrect operation may endanger you and others around you and cause material damage.

- Carefully read through this manual and all accompanying documentation, especially Chapter "1 Safety" and the warning information.
- Only carry out those activities that this operating manual instructs you to do.

Risk of material damage due to overheating

Ensure that the product is not covered or clad.



Danger due to inadequate qualification

Only personnel with sufficient qualification for the task in hand may carry out the following work:

- Assembly
- Disassembly
- Installation
- Commissioning
- Inspection and maintenance
- Repairs
- Decommissioning

- Observe all product-related instructions.
- Proceed in accordance with the current state-of-the-art.
- Comply with all relevant guidelines, norms, laws and other provisions

Danger to life due to electric shock



A danger to life due to electric shock exists whenever live components are touched.

Before working on the product:

- Disconnect the product from the power supply by switching off all power supplies (electrical disconnecting device with at least 3 mm contact opening, e.g., fuse or circuit breaker).
- Secure against reconnection.
- Check for the absence of voltage.

Risk of burning or scalding due to hot components



Only work on components once they have cooled down.

Risk of material damage due to use of unsuitable tools



Use a specialist tool to tighten or loosen screw connections.

Provisions (guidelines, laws, norms)

Observe the national provisions, norms, guidelines and laws.

2 - Product information

2.1 - Documentation

Observe the applicable documents

It is essential that you observe all operating instructions supplied with the system components.

Keep documents

Keep these instructions and all other applicable documents for future reference.

Validity of the instructions

These instructions apply exclusively to:

Item number	Format in cm
xx0370	60 x 60
xx0580	60 x 90
xx0780	60 x 120
xx0930	60 x 150
xx1250	75 x 150
WS0500*	60 x 60
WS0750*	60 x 90
WS1000*	60 x 120
WS1300*	60 x 150

*Diese Produkte sind ausschließlich für die Deckenmontage geeignet.

This product must be supplemented by a controller in order to comply with the mandatory ecodesign requirements of Regulation (EU) 2024/1103

Contact details

Welltherm GmbH
Wibschla 22
58513 Lüdenscheid

ENGLISH

		Heat output		
		Nominal heat output (P_{nom} in kW)	Minimum heat output (P_{min} in kW)	Max. continuous heat output ($P_{max,c}$ in kW)
Model identification(s): Infrared heaters Glass series	xx0370	0,37	N.A.	0,37
	xx0580	0,58	N.A.	0,58
	xx0780	0,78	N.A.	0,78
	xx0930	0,93	N.A.	0,93
	xx1250	1,25	N.A.	1,25
	WS0500	0,50	N.A.	0,50
	WS0750	0,75	N.A.	0,75
	WS1000	1,00	N.A.	1,00
	WS1300	1,30	N.A.	1,30

Control functions required to meet the mandatory ecodesign requirements of Regulation (EU) 2024/1103

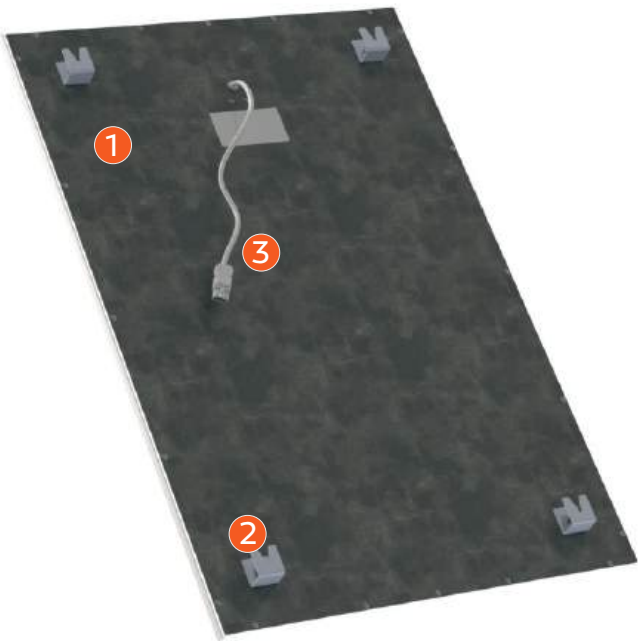
Specification	Unit
Type of heat output/room temperature controller	
Single-stage heat output, no room temperature control	No
Two or more manual levels, no room temperature control	No
Room thermostat with mechanical thermostat	No
Electronic room thermostat	No
Electronic room thermostat with time-of-day control	No
Electronic room thermostat with weekday control	Yes *
Other control options	
Presence detection	No
Detection of open windows	No
Remote control option	No
Adaptive control of the start of heating	No
Operating time limit	No
black globe sensor	No
Self-learning function	No
Control accuracy	Yes *

* The ecodesign requirement is met if the infrared heater is operated in combination with a thermostat and receiver (WT or DE series).

2.2 - Product description

This product is a fixed electric local space heater; in order to meet the mandatory ecodesign requirements of Commission Regulation (EU) 2024/1103, it must be supplemented by a controller that fulfills at least the following control functions: TW (0/0/0/0/0/0/0/f8).

Product structure



The back of a heater in 120 x 60 cm format is shown.

Legend:

- 1 Infrared heater
- 2 Wall bracket (V-bracket)
- 3 Plug

CE marking



The CE marking documents that the products comply with the essential requirements of the relevant directives as stated on the type plate.

The declaration of conformity can be viewed at the manufacturer's premises.

2.3 - Technical data

	xx0370	xx0580	xx0780	xx0930	xx1250
Weight	9,6 kg	13,5 kg	17,3 kg	22 kg	28 kg
Dimensions, height	600 mm	600 mm	600 mm	600 mm	750 mm
Dimensions, width	600 mm	900 mm	1.200 mm	1.500 mm	1.500 mm
Dimensions, depth	21 mm	21 mm	21 mm	21 mm	21 mm
Power output	370 W	580 W	780 W	930 W	1.250 W
Mains voltage	1 ~ N PE 230 Volt / 50-60 Hz				
Perm. room humidity	70 %				
Protection class	IP X4				
Mounting type	Wall & ceiling mounting				

	WS0500	WS0750	WS1000	WS1300
Weight	9,6 kg	13,5 kg	17,3 kg	22 kg
Dimensions, height	600 mm	600 mm	600 mm	600 mm
Dimensions, width	600 mm	900 mm	1.200 mm	1.500 mm
Dimensions, depth	21 mm	21 mm	21 mm	21 mm
Power output	370 W	580 W	780 W	930 W
Mains voltage	1 ~ N PE 230 Volt / 50-60 Hz			
Perm. room humidity	70 %			
Protection class	IP X4			
Mounting type	Ceiling mounting only			

3 - Installation

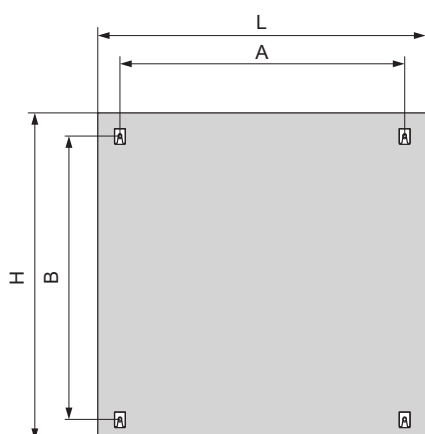
3.1 - Check the scope of delivery

Checking of the delivery for completeness and proper condition.

Quantity	Designation
1 piece	Infrared radiant heater with preassembled connection cable and wall brackets (V-brackets)
1 piece	Assembly template
1 piece	Standard fastening set
1 piece	Installation guide and operating manual

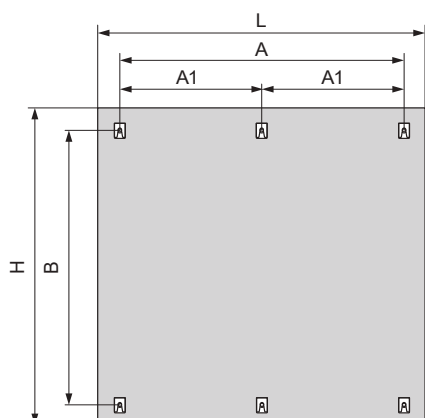
3.2 - Dimensions

Heaters up to
1,200 mm in length



Product	H (mm)	L (mm)	A (mm)	B (mm)
xx0370/xx0500	600	600	440	440
xx0580/xx0750	600	900	740	440
xx0780/xx1000	600	1.200	1.040	440

Heaters from
1,500 mm in length

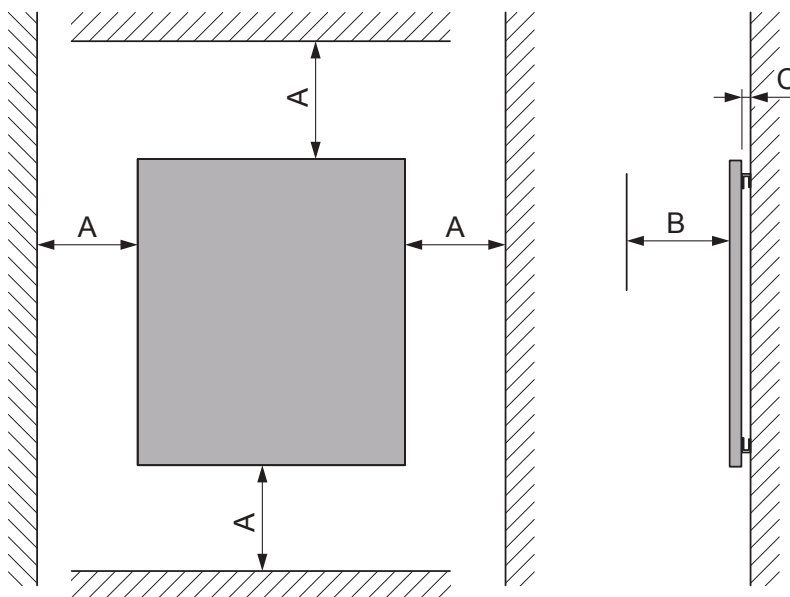


Product	H (mm)	L (mm)	A (mm)	A1 (mm)	B (mm)
xx0930/xx1300	600	1.500	1.340	670	440
xx1250	750	1.500	1.340	670	600

3.3 - Place of installation

- Do not install the product immediately below a wall outlet.
- Do not install the product in rooms with excessive humidity.
- Do not install the product outside enclosed spaces or in areas where it could be exposed to water or moisture, e.g. swimming pool.
- Do not install the product or its connection socket with cables in the protection zone O, 1 and 2 of wet areas.
- Note that the room temperature should be at least 17°C and keep the floor areas and heaters clean in order to avoid any fogging effect.

3.4 - Minimum distances

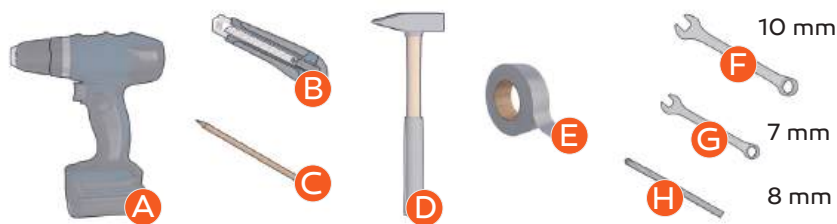


A = 200 mm B = 400 mm C = 30 mm

- Make sure you do not fall below the minimum distance (C) between the rear wall and ceiling/wall predetermined by the fixing brackets (V brackets).
- Ensure that continuous air circulation is possible between the rear wall and the ceiling/wall.
- Keep a minimum distance of 600 mm in all directions in areas of IP classes 65/67.

4 -Installing the heater

Recommended tool



- A Cordless screwdriver or electric drill
- B Cutter knife or carpet knife
- C Pencil or ballpoint pen
- D Hammer
- E Adhesive tape
- F Spanner with 10 mm width across flats (jaw or ring)
- G Spanner with 7 mm width across flats (jaw or ring)
- H 8 mm drill bit to suit the material of your wall or ceiling

Assembly



1. positioning the drilling template:

Attach the supplied drilling template - preferably with adhesive tape - to the position where the heater is to be installed. Be sure to observe the requirements for the installation location and the required minimum distances (point 3.4). When mounting on the wall, the use of a spirit level is recommended to ensure a perpendicular mounting position.

2. transferring hole positions:

Transfer the positions of the holes to the wall or ceiling. The shaded area on the drilling template indicates the permissible area in which the receiver should be positioned. Also transfer the positions of the fixing holes for the receiver.

ATTENTION: To ensure operability and optimum radio transmission, the button side of the receiver should be approx. 5 cm away from the edge of the heating.

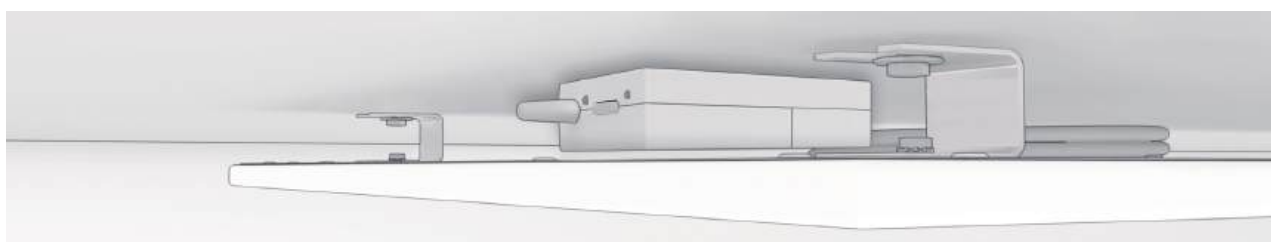
The receiver may only be positioned at the edge of the heating system or attached to the ceiling.

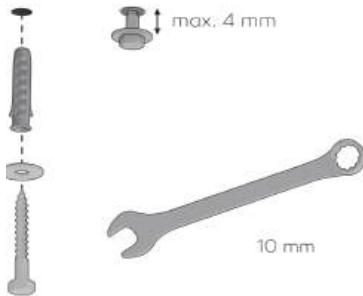


CAUTION:

DO NOT PLACE IN THE MIDDLE OF THE BACK WALL OF THE HEATER!

RISK OF OVERHEATING!





3. drill the holes:

Drill the required holes at the previously marked positions using an 8 mm drill bit suitable for the material of your wall or ceiling.

The number of holes is also specified in the drilling template supplied. Please ensure that the drill holes are positioned correctly for optimum installation of the wall brackets (V-brackets) to be screwed to them later on.

4. install the screws:

Insert the wall plugs into the holes (hammer in with a hammer if necessary) and screw in the screws with the washers using a 10mm wrench. Do not tighten the screws completely; leave 4 mm space between the washer and the wall or ceiling. Use the supplied wall plugs, screws and washers (if suitable for the material of your wall/ceiling).

5. installation & electrical connection receiver:

Attach the radio receiver to the ceiling or wall using the fixing material supplied. Open the cover and connect the power supply to the receiver, following the instructions below.

Caution!

The electrical connection of the radio receiver may only be carried out by a qualified electrician! Wiring must never be carried out under load. Make sure that the power connection is disconnected.

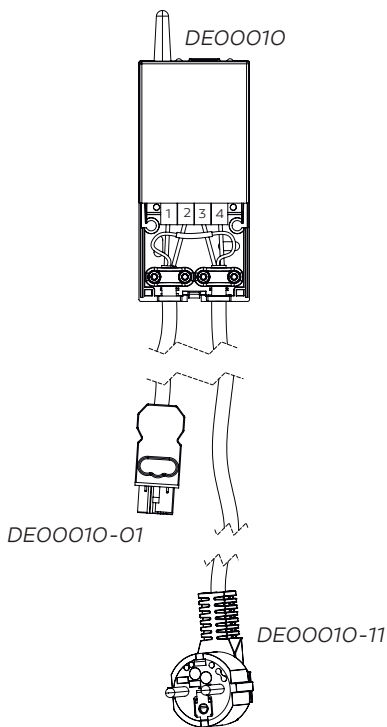


DE series radio receiver:

- Connect the brown wire of the connection cable to terminal 1.
- Connect the blue wire of the connection cable to terminal 2.
- Connect the neutral conductor (N) of the mains to terminal 3.
- Connect the phase conductor (L1) of the mains to terminal 4.
- Connect the earth conductor (PE) of the mains to the yellow-green wire of the infrared heater connection cable.

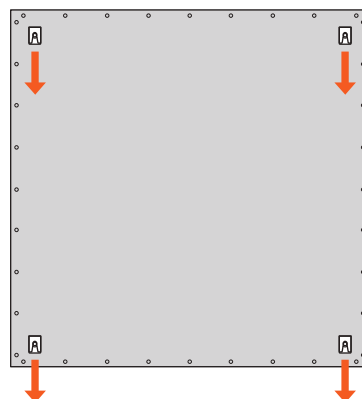
Variants:

- | | |
|-----------------|---|
| I. DE00010 | Radio receiver
(without pre-wiring: mains connection and connection of the heater are carried out by the customer) |
| II. DE00010-01 | Radio receiver incl. heater connection cable
(pre-assembled 500 mm cable incl. plug connector for heater connection. Power connection to the receiver is carried out by the customer) |
| III. DE00010-11 | Radio receiver incl. heating connection cable and Schuko plug
(pre-assembled 500 mm cable incl. connector for heating connection and 1800 mm connection cable with Schuko plug) |



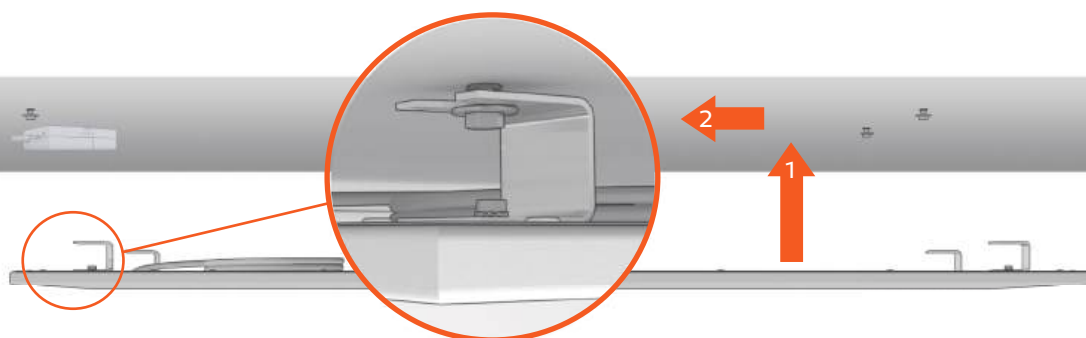
6. mounting the heater:

- a. Check whether all wall brackets (V-brackets) of your heater are pointing in one direction with the opening. If not, align the V-brackets uniformly in one direction.



If you are fixing to the ceiling, have a second person help you with the next installation step. Provide a ladder (if required).

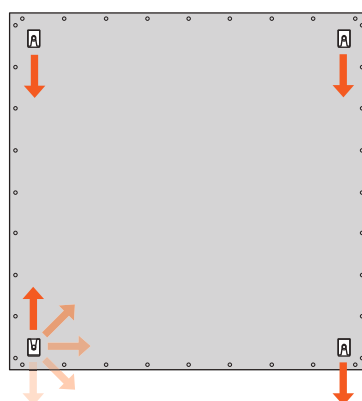
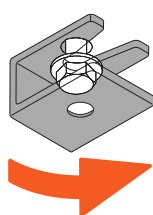
- b. Lift the heater to the installation position so that the openings of the V-brackets are directly in front of the screws, which are already screwed in at a distance.



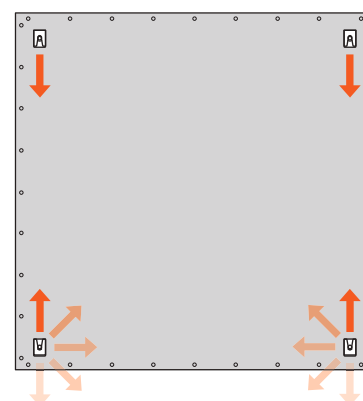
- c. Slide the heater sideways until the screws are fully inserted into the V-brackets. Pay attention to the washers.

Leave the connecting cables of the heater and the receiver protruding on one side of the heater so that the plugs can be connected later.

- d. Lock the heater by turning the V-brackets 180°:

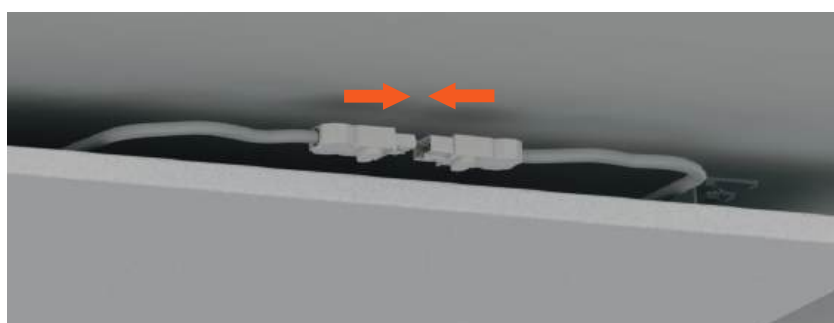


Wall mounting:
Turn any one "V-bracket"



Ceiling mounting:
Turn any two "V-brackets"

- e. Tighten all 8 or 12 screws with the two 7 and 10 mm wrenches. Check that the heater is firmly seated.
- f. Plug the two protruding plugs into each other to connect the heater to the receiver. Then guide the connected plugs behind the heater until they are no longer visible.



5 - Operation

5.1- Commissioning

Condition:
Initial commissioning

Switch on the power supply to the heater.

If a pleasant warmth does not set in immediately, then leave the radiator in operation for a longer period of time until a pleasant room climate is created.

- As soon as all solid objects have warmed up, a pleasant warmth is created in the room.

Put all the radio control components you are using into operation. Read the respective operating instructions.

5.2- Troubleshooting

Recognize and rectify faults

If the heater is not emitting any heat, check whether the heater is covered or dirty.

The safety temperature limiters integrated in the heater may have switched the heater off. In this case, wait for the cool-down phase.

The heating will switch back on automatically.

5.3- Maintenance

The surface color of the heater may change due to indoor air contamination, e.g. from cigarette smoke, fireplace/stove or cooking fumes.

- Clean the heater at regular intervals after the cooling phase with a damp cloth and a little solvent-free soap.



Caution!
Risk of material damage due to unsuitable cleaning agents!

5.4- Decommissioning

Switch off the power supply to the heater.

5.5 - Recycling and disposal



Please dispose of the packaging material properly.

This heater contains recyclable materials as well as environmentally incompatible substances.

- Do not dispose of the heater with household waste.
- Instead, take the heater to a collection point for waste electrical and electronic equipment.

5.6 - Warranty and customer service

Warranty

Welltherm GmbH grants a 60-month warranty to all customers who are consumers, irrespective of the statutory warranty.

This begins on the day of delivery of the product and applies nationwide.

The guarantee covers the following: If damage occurs within 60 months of delivery of the product that has not been caused by improper use, Welltherm GmbH will undertake to rectify the damage in accordance with the Welltherm guarantee conditions, which can be found at the end of the German-language instructions. If the repair is unsuccessful twice, the device will be replaced with a technically identical new device. In the event of non-availability, the customer is entitled to delivery of a device of equivalent quality and price from the Welltherm GmbH range.

Price reduction, withdrawal from the purchase contract or claims for damages are not part of the guarantee agreement. Statutory or contractual claims for compensation are not affected by the guarantee.

The guarantor is
Welltherm GmbH, Wibschla 22, 58513 Lüdenscheid, Germany

Customer service

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