


DE  **Bedienungsanleitung pulverbeschichtete Infrarotheizungen Typ PB**

GB  **Manual powder-coated infrared heating elements type PB**



DE  **Technische Daten:**

GB  **Technical Data:**

Modellnummer model number	PB0210	PB0330	PB0340	PB0510	PB0610	PB0710	PB0910	PB1210	PB1410
Abmessungen dimension	392 x 592 x 15mm	592 x 592 x 15mm	618 x 618 x 15mm	592 x 892 x 15mm	392 x 1492 x 15mm	592 x 1192 x 15mm	592 x 1492 x 15mm	750 x 1500 x 15mm	1200 x 1200 x 15mm
Leistung power	210W	330W	340W	510W	610W	710W	910W	1210W	1410W
Nennspannung voltage	230V~ / 50-60Hz								
Nennstrom current	0,91A	1,43A	1,48A	2,22A	2,65A	3,1A	3,96A	5,26A	6,13A
Schutzklasse protection class									
Gewicht weight	~ 4,5kg	~ 7,8kg	~ 8kg	~ 11kg	~ 10,7kg	~ 14kg	~ 17kg	~ 21,5kg	~ 28kg
Anschlusskabel connection lead	1,9m Kabel mit Schukostecker 1,9m cable with plug								
Frontmaterial front material	Pulverbeschichtung (PB) max. 110°C Steel powder coated (type PB) max. 110°C								

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1. Safety advice 

1. The infrared heating panels are designed for use with an AC voltage 230 Volt, 50 Hz.
2. If you intend to install more than one heating element please contact an electrically skilled person!
3. The heater must not be covered (for example by textiles or similar)!

**ATTENTION: Danger of overheating and fire hazard!**

4. The infrared heating panels are equipped with a temperature limiter which will switch the panel off at higher temperatures. It will switch on again when the panel is cooled down.
5. Infrared heating panels must not be positioned directly under a wall outlet.
6. Infrared heating panels will not withstand higher humidity rates.
7. It has to be secure that the electrical circuit of the panel heater can be de-energized by switch, fuse or thermostat at any time.
8. The minimum distance to other objects should be 400mm on the front and 200mm on the sides.
9. For mounting the infrared panel heaters to brick walls or stone walls use the delivered assembly materials. For mounting the infrared panel heaters to different fixation basics please use suitable special towels and screws which fulfill the demands on load capacity. For ceiling mount please use towels and screws that are suitable for fire protection requirements!
10. The infrared panel heater must be remounted, cleaned and transported in cold condition only.
11. The panel heating element must not be used by persons (including children) with limited physical or mental capabilities without a supervisor. Children will never realize the danger on electrical devices! For this reason don't let your children without supervision with the panel heater.
Please position the panel heater in a way that it will be out of the reach of children.
12. The infrared panel heater must not be opened, modified or repaired by the user. Repairs can only be executed by the specialized staff of company GmbH.
13. The front of the heater consists on powder coated metal.

Due to the material properties with increasing temperatures the heater front swells. This is normal and will not affect the function! Therefore it is no reason for complaint.

14. Infrared heating panels type PB are not equipped with an inbuilt temperature controller. Therefore it is recommended not to use the heating element in very small rooms with inhabitants which are not able to leave the room on their own.

2. Introduction

Dear customer,

Thank you very much for purchasing our product.

This Welltherm infrared heater was developed and produced carefully.

In this manual you will find important information on how to start running your infrared heater.

The infrared heater will satisfy you by easy installation, flexibility in mounting and it is maintenance free.

Please read this manual carefully before you get started for your safety.

Hold this manual in reach and don't forward the infrared heater without this manual!

Thank you for your trust.

3. General Information

The Welltherm heating element will not work as a conventional convection heater for it uses the infrared heat. When energize the heater for the first time the cold surroundings (ceiling, floor, furniture, walls) have to be heated up first. If you will not get a pleasant temperature directly please hold the heater energized until you will get a convenient indoor climate. This process can last some hours up to some days. When all solid frames are warmed up there will be a comfortable temperature in the room.

With this condition the turn on time of the heater can be reduced to minimum.

For an efficient and effective control of your infrared heater we recommend the use of our quality wireless thermostats. Please contact us for further information.

4. Intended use

The infrared heating panels are due to be used as wall or ceiling heater (see first side).

Please note that the notice of this manual is part of the intended use.

Please don't use the heater for outdoor purposes. Also the heater is not suitable for rooms where it is exposed to water and for all applications which are not explicitly named intended use.

The infrared panel and the power outlet must not be mounted in the protection zone 0, 1, 2 of plumbed rooms.

5. Waste management



Please depollute the package material and the device according to its specification.

Electrical equipment contents resources as also polluting materials. Therefore it has to be disposed of as hazardous waste. Follow your regional regulations.

6. Scope of delivery

The delivered contents consists on heating panel, drilling template and holder set.

The delivered dowels Ø8 and screws 6x45 are suitable for normal brickwork made of beton, clay bricks and lime stone. With different brickwork the suitability of the fixation material has to be ensured. When you are not sure about that please get in touch with a specialized dealer for towels and screws.

screw



dowel



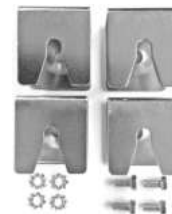
washer



Drilling Template



holder set



7. Cleaning and care on infrared panel heaters

A frequent cleaning of the panel heater will ensure faultless operation and a long lifetime circuit of your infrared panel heater. Please switch off the heater and cool it down to room temperature before you clean the surface. For cleaning use a wet cleaning cloth or glass cleaner. Don't use any abrasive powder cleaner or furniture polish for this will damage the surface.

8. Terms of guarantee

We will offer you a 60 month guarantee beginning with the date of the invoice or shipping note. Within this period we will regulate all faults caused by material or production by repair or refund of the defect parts. The guarantee will only be accepted when the heating panel was properly treated. Additional claims are explicitly excluded! The guarantee will only include the repair/refund of the infrared heating panel. We will not assume liability for damages caused by kicks, wrong handling and humidity or by external treatment. Clicking noises caused by thermal expansion or by wall unevenness are no reason for complaints and will not impact the heating function. Optical distortions on the sides of the mirror heating elements are technical caused and no reason for complaint. In case of guarantee the infrared heating element has to be sent to your local dealer. As an attachment you have to add the invoice or the shipping note and a detailed description of the defect and to use a suitable package.

9. Installation

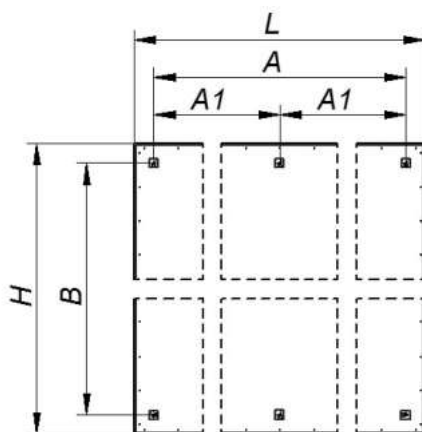
Please find the optimal place of installation before you start to mount the infrared panel heater. Ensure that nothing will disable the function of the infrared waves and that all safety distances comply with our guidelines (look chapter "safety advice"). The infrared heaters will only heat up solid materials which will also reflect the heat back to other solid materials. It is recommended to mount the infrared panel in a way that it will directly ray on the persons. Please find the additional advices in the text before. After having chosen the area for mounting you have to start the mounting process as described below.

Step 1:

Deposit the packed panel on the floor so that the label is on the upper side of the carton. Now open the cover plate carefully. Lift the infrared heater on the side. To reduce the danger of damages please open the heater package in the room where you intend to install the heater.

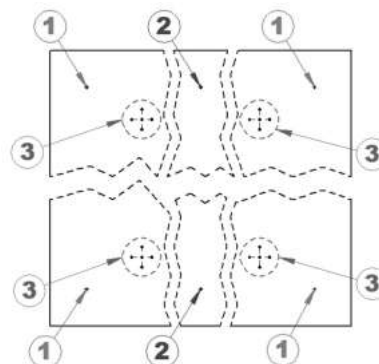
Note that an exact positioning of the screws is the basic for the simple and trouble-free assembly.

Hole Distances



Typ / type	H	L	A	A1	B
PB0210	392	592	740	-	240
PB0330	592	592	440	-	440
PB0340	618	618	440	-	440
PB0510	592	892	740	-	440
PB0610	392	1492	1340	-	240
PB0710	592	1192	1040	-	440
PB0910	592	1492	1340	670	440
PB1210	750	1500	1340	670	600
PB1410	1200	1200	1040	520	1040

Drilling Template



- ① alle PB-Typen / all PB-types
- ② PB0610 / 0910 / 1210 / 1410
- ③ RL / RA 0606 / 0609 / 0612 / 0615 / 0409 / 0415

Step 2

Mark the 4 drill positions (6 for PBO910, PB1210, PB1410) by using the drilling template or the hole distances on the drawing on the page before. Please note the orientation of the heater. Using a water-level is recommended.



Tip: Before drilling the holes please check if tubes or wires are present in this area. Use a suitable metal detector.

Step 3

Drill the 4 holes (6 holes for PBO910, PB1210 and PB1410) by using an Ø8mm drill (depth=length of the dowel).

The depth of the holes should not differ much from the dowel length.

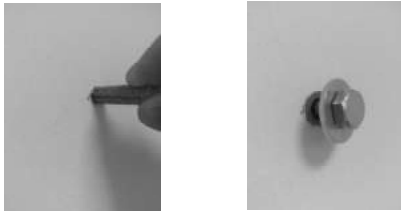
To ensure this demand please mark the drill or use a depth stop.

Tip: To avoid the formation of dust it is recommended to use a vacuum cleaner simultaneously.



Step 4

Push the dowels in the holes and screw the screws in.

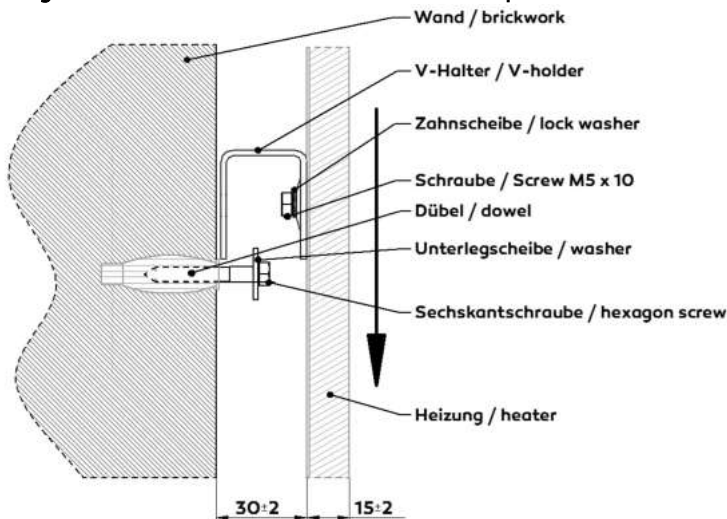


Step 5

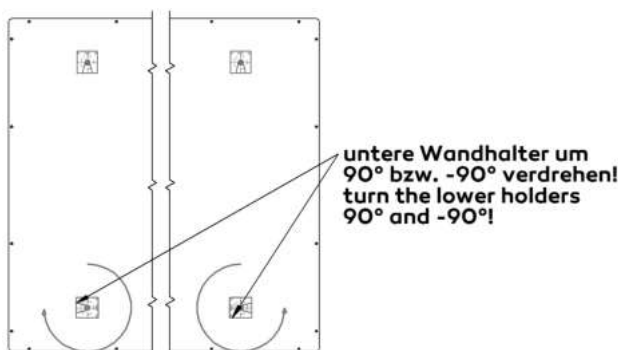
Fix the 4 (or 6) V-holders with hexagon screws on the heater backside so that they are still turnable. The mouths of the holders should be orientated in the same direction.

wall mount:

Hang the heater to the wall screws from the top.

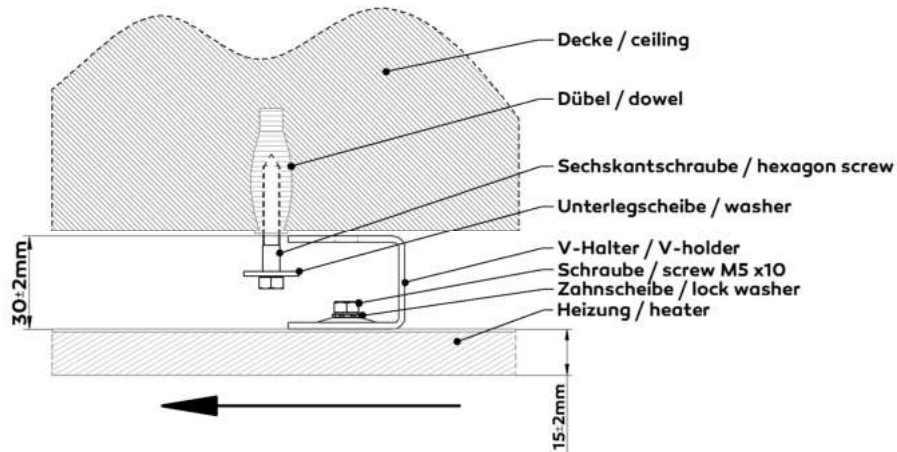


Turn the 2 lower holders for 90° as shown in the sketch below.

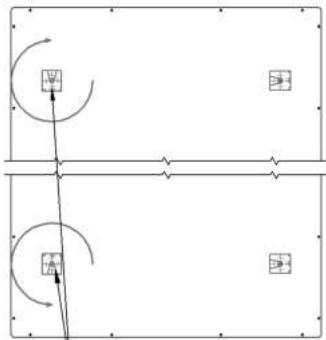


ceiling mount

Push the infrared heater in from the side as shown in the sketch below. Hold the panel carefully in position until it is completely fixed (for the bigger panels it will be necessary to work with 2 persons!)



Turn the holders for 90° / -90° or for 180° / -180° as shown in the sketch below. This will lock the panel in position.



2 Halter um 90° / -90° oder 180° / -180° verdrehen!
turn 2 holders 90° / -90° or 180° / -180°!

Use a suitable wrench to fix the screws on the wall / ceiling and on the panel.
Now it should not be possible to remove the panel without using tools!



Don't use different screws on the heater as the delivered ones. Longer screws will damage the heating element inside!
Note that the delivered dowels and screws are not suitable for all wall- or ceiling types. Please consult a specialized dealer for dowels and screws if you are in doubt!

Important: On the backside of the heater higher temperatures will occur although it is well thermally insulated. Therefore the infrared heater should not be mounted too close to the wall/ceiling. The holders guarantee the minimum distance. Please ensure a continuous air circulation if possible!

Step 6

Congratulations! The heater is mounted completely and is ready for use now. The plug can be inserted.



We recommend the use of wireless thermostats to optimize the efficiency and to reduce the consumption costs.

Please don't hesitate to contact us for further information!

We wish you a lot of fun with your infrared heating panel!