

infraNOMIC

INFRARED HEATING PANELS

Operating and Installation Instructions

(Installation Instructions for Slimline and framed panels)



Wolff+Meier GmbH & Co. KG
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35428 Langgöns
Germany

Thank you for your purchase

Dear Customer,

You have bought a high-tech innovative heating product. InfraNOMIC Heating Panels work with Infrared technology. They have low energy consumption and create a pleasant atmosphere in each room where they are installed. With the correct installation and operation, your Heating Panel will give you satisfaction for many years to come.

Please read completely the 'Operating and Installation Instructions' before you start to install the panel and pay particular attention to the safety instructions. These 'Operating and Installation Instructions' will help you safely install and use the panel in the most efficient way. Please make sure that you use the heater exactly as per the following instructions, the adherence to these instructions is a pre-condition to the manufactures liability regarding any guarantee cases. After completion please store these instructions in a safe place so that they can be used again if necessary and also can be given to another user if the panel changes hands.

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Basic Rules for Safety

USE

The infraNOMIC Heating Panels are designed only for use as heaters and are suitable for installation on Walls or Ceilings in domestic or commercial rooms which are suitable for their installation. To use these heaters correctly it is necessary to follow the guidelines and instructions laid down in this document.

DO NOT use the heaters in rooms that are open to the elements and/or rooms which could be subjected to the ingress of running water.

Danger for Children and Persons with disabilities

- These products are not to be installed by people (including children) who are physically or mentally handicapped, unless a competent person who can provide help and instruction is present.
- Be sure that children do not play with or use the heaters as a toy.
- Make sure that the packing material is kept away from babies and small children as suffocation can result if placed over their mouths or noses.

Electrical Safety

- Connect and run the heater according to the advice given on the specification plate on the rear of the heater. Only connect the heater to a 230 / 240 V AC supply grid.
- Check each heater for damage before installation. Make sure that the heater itself; its plug and cable are free of any visible signs of damage.
- ATTENTION: The Heating Panels should **not** be used, if the Glass or Ceramic backing is damaged. If damage is noticed, immediately disconnect the Panel from the Power supply and contact our Service department.
- Do not pull, clamp or in any other way damage the connecting cable attached to the Panel.
- If the attached connecting cable does appear to be damaged please refer to the manufacturer or his service department or a similarly qualified person to undertake any repair work.
- Do **not** attempt to carry out any repairs, changes or modifications to the Heating Panel.
- Before any assembly or cleaning work is carried out, disconnect the Panel from the electrical power.
- Do **not** immerse the Heating Panel in water or splash water onto it!
- When installing the Panel in any form of wet room, it and its cabling should be situated well out of reach of any person using the shower or bath. Do **not** install the Panel in close proximity of a bath, shower or swimming pool.
- The installation of these panels in wet rooms should always be carried out by competent electricians who are completely aware of the specifications for installing electrical equipment in these types of room according to their own countries laws and standards.

Product Safety Notes

- ATTENTION: To ensure that the Heating Panel does not overheat, it should not be covered in any way.
- The Panel should not be installed directly under a plug socket.
- Do **not** rest anything against, or use the Heating panel to dry clothes and/or stick anything onto its surface.
- Make sure that all local objects in the immediate vicinity of the heater are a minimum of 50 cm away from the front and sides of the panel and 10 cm away when objects are above.
- Make sure when installing the Panel that the minimum distance of 2 cm between the Wall or Ceiling and the Panel is adhered too. This distance insures that enough space is available for air circulation.

Supply and Parts Included

After being thoroughly tested at our works the heating panels are safely packed and dispatched with a reputable transport company. When your product arrives please check the outside appearance of the packing for any signs of damage. If you believe that the package is damaged in any way please ask the delivery person to wait while you unpack it and check the state of the goods within for damage.

If possible keep the panels and accessories in the original packing until you decide to install the product.



After unpacking the goods please check and make sure that all of the following listed parts are included and are not damaged.

- 1 x Heating Panel with Cable (A)
- 1 x Accessory Set which includes:
 - 2 x Hanging Plates (B)
 - 4 x Bolts M6 x 8 (C)
 - 2 x Bolts M6 x 25 (D)
 - 2 x Hooked Mounting Screws (E)
 - 2 x Rawl plugs 8mm (F)
 - 4 x Ring Screws M6 for Ceiling Mounting (G) *
- 1 x Operating and Installation Handbook



If you discover that any parts are missing or damaged please contact the company where you purchased the product or contact our Service department.

* - The Ring Screws (G) are **not** an integral part of the standard accessory pack. When ordering the heater it should be specified where and how you intend to install it, e.g. Wall or Ceiling, this will then insure you receive the correct accessory pack for your requirements.

The packing material is recyclable. Please make sure that this is disposed correctly.

⚠ ATTENTION - Make sure that the packing material is kept away from babies and small children as suffocation can result if placed over their mouths or noses.

Installation

ATTENTION

⚠ Please read the section regarding 'Basic Rules for Safety' and details involving the Installation location; the information regarding safe distances and the Operation of the Panel.

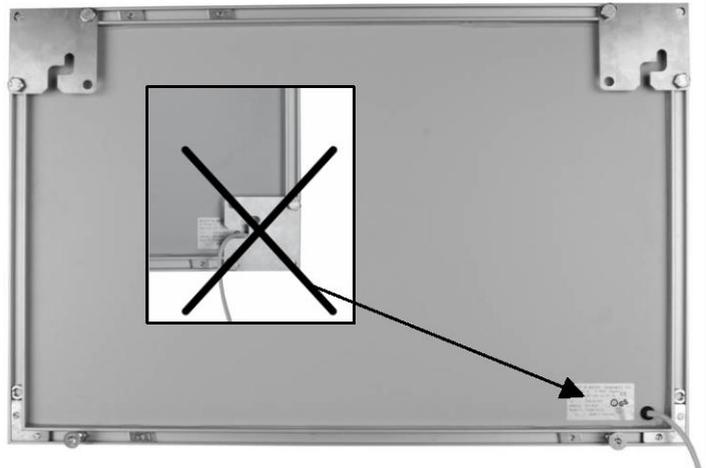
Please take note of the following additional information with regards to installation.

- The minimum dimension from the back side of the panel to the wall or ceiling must be 2 cm. This will always be the case if the items contained in the accessories are used. If other types of fitting systems are used our guarantee becomes null and void.
- The hot side of the heater is always the side with the sticker that says (infraNOMIC Infrarot-Heizelement Nicht abdecken!) This sticker should always be visible after installation.
- Check before drilling holes that there are no electrical lines or water pipes hidden in the wall.
- Make sure that the power supply socket that you intend to use is within distance of the location of where you intend to install the Panel – The cable attached to the panel is 1.7 m long.
- With difficult walls it may be necessary to use special rawl plugs.
- When the 'Hooked Mounting Screws' are screwed into the wall it is important that they are screwed in right up to the flange.

Wall Installation

The Hanging Plates (B) should be attached to the shorter side of the heating Panel for vertical Installation and on the longer side for a horizontal installation. The plates are attached by using the Bolts (C) – 2 bolts per plate.

- make sure that the corner of the panel where the cable is attached is **not** used for mounting the plates.
- and that the slots in each of the plates are mounted in the same direction (see picture)
- and that the bolts (C) are only hand tight so insuring no damage to the frame.



Screw the two bolts (D) into the integrated nuts found in the opposite side of the frame from where the plates are attached. These bolts insure the correct distance from wall to the back of the panel is adhered too.



Measure the distance (X) between the slots and transfer this measurement to the wall where the panel is to be installed. Use a Spirit Level to insure that the marks for drilling are level.



Drill each of the holes with an 8 mm drill to a depth of minimum 60 mm.

Insert the Rawl Plugs (F) into the holes; make sure that both are fully inserted. These plugs can be used universally, even for wooden walls.

Screw in the Hooked Mounting Screws (E) up to the flange making sure that the hooked part of the screw is vertical.

Lift the Heating Panel onto the Hooked Mounting Screws and then slide it to one side insuring that both screws are located in the dogleg part of the slots. This insures that the Heating Panel cannot be easily removed from its position.

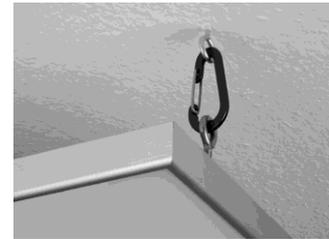


Ceiling Installation

ATTENTION

 Please read the 'Parts included' section on page 3 regarding the Ring Screws (G). The decision of what attaching devices are to be used for ceiling mounting is dependant on the type of material the ceiling is constructed with and also the ability to support the weight of the Heating Panel.

- if already fitted remove Bolts (C) and Hanging Plates (B) from the heater.
- Screw the 4 Ring Screws (G) into the integrated nuts and move these as far as practically possible towards the corners of the frame in a uniform manner. These can be then hand tightened.



- Measure the distances between the Ring Screws both from the short and long sides of the frame and transfer these measurements onto the ceiling where the panel is to be installed. A diagonal measurement will help to insure that the panel will be parallel.
- Screw 4 further Ring Screws into the pre-determined positions. Depending on the construction of the ceiling it may be necessary to pre-drill holes and fit with Rawl Plugs. Arrange the ceiling screws in the same direction as those on the panel.
- Install the Heating Panel by connecting the Ring Screws on the panel to those on the ceiling with a connecting device such as for example a karabiner clip.

Operation

General Instructions

The Heating Panels incorporate a built-in 'Safety Cut Out Switch' so that when overheated by abnormal use, for e.g. by covering the heater, the Heating Panel will automatically switch itself off. Through removing the power to the heater and allowing a period of approx. 10 to 15 minutes to elapse the safety cut out switch will automatically reset itself. After rectifying the problem that has caused the overheating, and by connecting the power the Heater is again ready for normal operation.

Connection to the Power Supply

Every infraNOMIC Heating Panel is supplied with a cable and plug. Connect the panel via its plug to a normal household socket carrying a 230 / 240 V ~ 50 Hz alternating current.

The Panel can also be used in conjunction with a room temperature regulator (thermostat) that can be separately purchased as a 'Plug-In' device, to fit between the socket and the Panel's plug; or alternatively a room thermostat can be directly fitted to the house circuit, through which the power to the heater is fed and controlled.

Similarly the Panel can be used in conjunction with a timer which would control the ON or OFF times of the heater.

ATTENTION!

 It is important that the above-mentioned controllers, thermostat or timers if used are suitable and can accommodate the power consumption of the Heater. The power consumption of your heater is included in the information on the nameplate of the heater (to be found on the back of the panel).

Tips for correct use

When the Heater is turned on at first, it is possible that for a short while you may be aware of a distinct sweet smell. This is not harmful to health and if present is caused by the vaporisation of silicon in contact with the MDF backing board. This will cease after a short while.

To heat a room that has not been heated recently or one, which is very cold, it may be necessary to run the heater without a break for some time. This will insure that all solid cold objects (furniture, walls, ceilings, floors etc) are initially warmed. After these solid objects are warmed the radiated heat coming back from them will divide its energy evenly throughout the room and allow the heater operating time to be reduced to a minimum.

The function of radiated heat helps, through its very low power consumption, to protect our world and its resources.

Cleaning

ATTENTION – DANGER OF ELECTRIC SHOCK!



Before attempting to clean the Panel, unplug the heater and allow it to completely cool down. Do **not** immerse the Heating Panel in water or splash water onto it!

Clean the glass or ceramic surface and also the frame with a damp cloth and glass cleaner. When clean, dry the surfaces with a dry cloth.

Do not use strong chemical removers to clean the heater nor implements with sharp edges; uses of these could damage the surfaces of the heater.

Disposal

The Heating Panels or parts of them should not be disposed of as household rubbish but should be returned to the manufacturer for correct disposal (see Service address)

Through re-cycling of materials or of old machines you are providing help which is important to protect our world from unwanted rubbish.

Technical Data

Operating Voltage 120 V ~ 60 Hz alternating current.

Power Consumption 210 – 1400 W (see Data page)

Protection Class I 

Dimensions + Weight (see Data page)

The dimensions given are for the actual glass sizes; the size of the frame is additional.

With M 10 these are approx. + 5 mm in the width and height.

With M 23 these are approx. + 55 mm in the width and height.

With HB 30 these are approx. + 30 mm in the width and height.

With Frameless models, the tolerance of the glass is +/- 2 mm.

Technical details of all current models are listed in the Data Page (see page 9)

The units comply with the test requirements of the European Low Voltage specifications 2006/95/EG and the harmonised Product Standards EN 60335-1 and EN 60335-2-30 and are marked with a CE Conformity Label.

Guarantee and Service

The Heating Panels are guaranteed by Wolff & Meier for 5 years after the purchase date. If these Operating and Installation Instructions are followed and are correctly adhered too, we guarantee the free-of-charge replacement of the Heating Panel if the problem occurring is directly related to a manufacturing or material fault. If however the problem has been caused by incorrect installation or operation, the free-of-charge guarantee becomes null and void.

Your personal rights regarding this guarantee are not diminished.

Service Address:

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Wolff & Meier GmbH & Co KG
Am Wingert 16
35428 Langgöns
Germany
Telephone: 0049 (0) 6403/9006-0
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Data Page of infraNOMIC Heating Panels

The complete Panel designation is built up based around the Heating Panel 'Base type', the 'Frame type' and the size. Example: GHE-S-M23-96 is a Mirror Heating Panel with a Aluminium Frame 23 mm with a size of 900 x 600 mm.

The operating voltage for all Heating Panels is 120 V ~ 60 Hz.

Heating Panel - Standard - Black, White or Mirror *

Size	Type	GHE-P/S		Aluminium Frame	Wooden Frame	Wooden Frame	Frameless SL
	X	Power Watt	Size of room to be heated ca. m ²	10/23/33 mm-X Weight	66/85 mm-X Weight	Beech/Oak-X Weight	Metal Backing-X Weight
600 x 400 mm	64	210	2-3	ca. 5 kg	-	-	-
900 x 350 mm	93	250	3-4	ca. 5 kg	-	-	ca. 5 kg
700 x 600 mm	76	400	7-8	ca. 7 kg	ca. 10 kg	ca. 9 kg	ca. 8 kg
900 x 600 mm	96	500	11-12	ca. 10 kg	ca. 12 kg	ca. 11 kg	ca. 10 kg
1200 x 350 mm	123	320	7-8	ca. 7 kg	-	-	ca. 7 kg
1100 x 600 mm	116	600	13-14	ca. 12 kg	ca. 14 kg	ca. 13 kg	ca. 12 kg
1200 x 600 mm	126	700	16-18	ca. 13 kg	ca. 15 kg	ca. 14 kg	ca. 13 kg
1300 x 400 mm	134	500	11-12	ca. 10 kg	-	-	ca. 10 kg
1400 x 600 mm	146	900	20-22	ca. 14 kg	ca. 16 kg	ca. 15 kg	ca. 14 kg
2000 x 800 mm	208	1400	32-36	ca. 25 kg	-	-	-

* Due to the nature of tempered safety-glass variations of planity may occur.

Heating Panel - Coloured, Art, Picture, Stone

Size	Type	GHE-RAL/MDS		Aluminium Frame	Wooden Frame	Wooden Frame	Frameless SL
	X	Power Watt	Size of room to be heated ca. m ²	10/23/33 mm-X Weight	66/85 mm-X Weight	Beech/Oak-X Weight	Metal Backing-X Weight
600 x 400 mm	64	210	2-3	ca. 5 kg	-	-	-
700 x 600 mm	76	400	7-8	ca. 7 kg	ca. 10 kg	ca. 9 kg	ca. 8 kg
900 x 600 mm	96	500	11-12	ca. 10 kg	ca. 12 kg	ca. 11 kg	ca. 10 kg
1100 x 600 mm	116	600	13-14	ca. 12 kg	ca. 14 kg	ca. 13 kg	ca. 12 kg
1200 x 600 mm	126	700	16-18	ca. 13 kg	ca. 15 kg	ca. 14 kg	ca. 13 kg
1400 x 600 mm	146	900	20-22	ca. 14 kg	-	-	-