



HEATING PANEL MANUAL

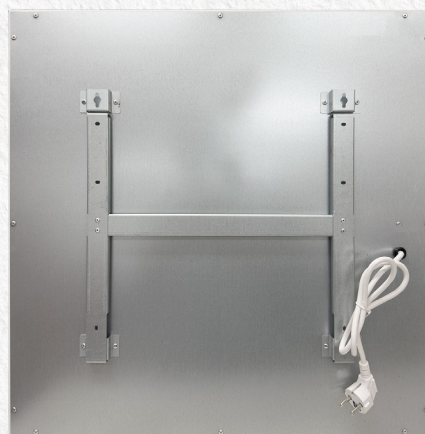


Table of Contents

- 1. Safety Information**
- 2. Product Composition**
- 3. Product Specifications**
- 4. How to install**
- 5. Maintenance**
- 6. Terms of Warranty**
- 7. Warranty Card**



SAFETY INFORMATION

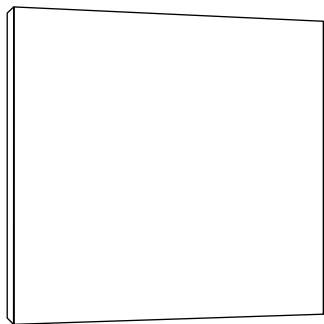
- Do not disassemble or modify the product arbitrarily. Disassembly or modification may cause damage to the product, and damage to the product due to modification may lead to property damage.
- Do not place flammable or combustible materials such as sprays near the product. This may result in burns and property damage due to fire.
- Do not allow persons (including children) with reduced physical, sensory or mental capabilities or lack of experience and knowledge to use this product without supervision or instruction.
- In particular, do not allow children to play with or touch the device.
- To avoid hazards in case of power cord damage, only the manufacturer, its agent or an electrician may replace the cord.
- For additional protection, it is recommended to install a residual current device (RCD) with a rated residual current of not exceeding 30mA in the electrical circuit of the bathroom.
- When using a conduit, it is recommended to use galvanized steel conduit or high-strength flexible tube.
- You must use a certified and verified thermostat.
- When using multiple heating boards, the maximum power consumption connected to one thermostat is 3kW.
- When connecting to power, be sure to connect to a power outlet with a leakage circuit breaker and connect the ground wire.
- There is a risk of fixation, electric shock, or fire.
- Use in a place that does not come into direct contact with moisture.
- Do not poke or hit the heat sink with a stick or other object.
- Do not spray water or detergent when cleaning the product. This may cause discoloration or staining of the product.
- When not in use, unplug the power plug.
- The heat sink is very hot, so do not touch it directly with your hands. There is a risk of burns. (Surface temperature : Max. 95°C (±5°C))
- This product must be installed by the manufacturer, seller, or an electrically qualified professional.
- The panel should not be placed directly under a fixed power outlet.
- Care should be taken when selecting anchors for drywall and porous concrete structures.
- This heater is not equipped with a temperature control. Do not use this heater in a small room, or if there are people in the room who cannot be left unsupervised.



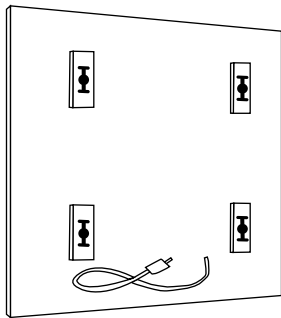
SAFETY INFORMATION

- Children of less than 3 years should be kept away unless continuously supervised.
- Children shall not play with the appliance
- Cleaning and user maintenance shall not be made by children without supervision
- Children aged from 3 years and less than 8 years shall only switch on/off the appliance Provided that it has been placed or installed in its intended normal operating position and they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children aged from 3 years and less than 8 years shall not plug in, regulate and clean the appliance or perform user maintenance
- Heater must not be located immediately below a Socket-outlet
- If using in a bathroom, please include precautions regarding water penetration on the Product or plug. (Ex: Do not place shower heads on the product, and cover the area Where the plug is located.)
- CAUTION - Some parts of this product can become very hot and cause burns. Particular Attention has to be given where children and vulnerable people are present. In order to avoid overheating, do not cover the heater

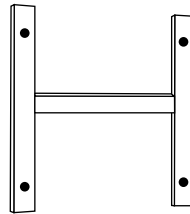
Product Composition



FRONT



BACK



WALL BRACKET

Product Specifications

(Single-phase 220V, 60Hz)						
Model	Power Consumption (W)	Width (W/mm)	Height (H/mm)	Thickness (D/mm)	Weight (kg)	Heating area (㎡)
HV-HP-350	350 W at 230 V	600	600	36 (Wall mount included)	5.82	2~4
HV-HP-700	700 W at 230 V	600	1200	36 (Wall mount included)	11.3	4~6
HV-HP-1000	1000 W at 230 V	800	1200	36 (Wall mount included)	14.7	8~10

Depends on insulation condition

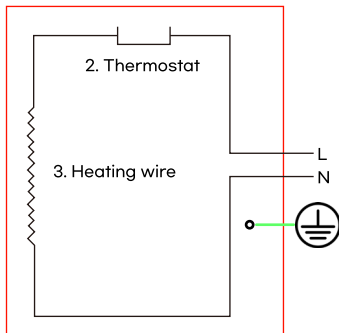
Technical Specifications

Heating Element : Carbon crystal	Insulation Material : Ultra-Lightweight Foamed Material Based on Melamine Resin
Surface Temperature : Max 95°C (±5°C)	Front Panel Material : Power coated GI (Galvanized Iron)
Insulation Fire Rating : V-0 UL94	Rear Panel Material : EGI (Electro Galvanized Iron)
IP Grade : 44	Certifications of Bimetal : UL, VDE, CQC, KC
Product life : 100,000 Hr	Safety device : Thermal cut out bimetal 125°C

How to install

Circuit Diagram

1. Radiant heater

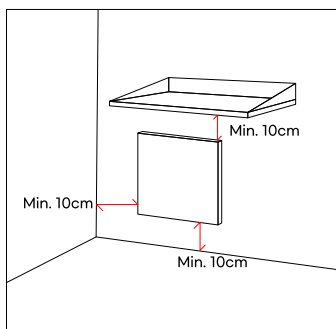


Power supply : AC230V, 50-60 Hz

Protection class : I (products with a ground terminal
in addition to basic insulation)

Water and dust resistance rating : IP44

Overheating safety device : Bimetal thermostat

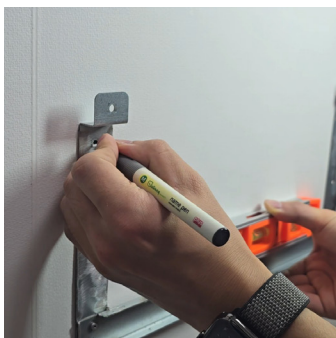


The panels are intended for vertical installation.
For horizontal installation on a room ceiling, hang the panels
on a mounting frame or use chains or cords.

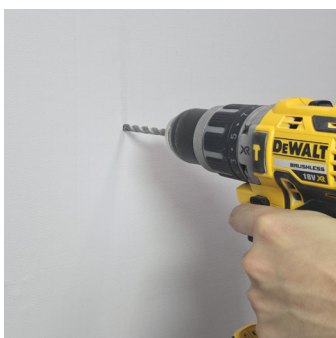
The front and side walls of the panel must be at least 10cm
away from combustible materials.
Please observe the installation clearances shown
in the diagram below.



Place the bracket where you want to install it
and check the wall horizontally to make sure
it is flat and not tilted.



Mark the location to be drilled with a pen.



Select the parts that fit the wall material
and perforate the marked parts.

(For walls that can be screwed, such as wood, install
the brackets using screws. For concrete retaining walls,
drill holes with a power drill, insert plastic anchors,
and secure the brackets with screws.)



Use auxiliary parts if necessary, depending on the wall material.

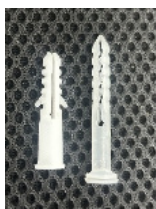
Important!



Fig.2

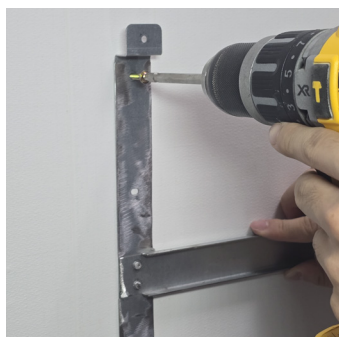


Fig.3



The use of wall anchors with self-tapping threads to attach panels to gypsum board/gypsum fiberboard is prohibited (see Figure 2).

Examples of suitable types of wall anchors, such as calblocks (known in the UK as plastic anchors), are shown in Figure 3.



Screw in to secure the bracket firmly.



Check the bracket position well and install the product from above.



Make sure that it is fixed well, does not shake, and overall.



Connect the outlet to make sure the product works well.

Maintenance

- ⚠ The product does not require any special maintenance.
(Just wipe it with a soft cloth to remove dust.)
- ⚠ When cleaning the product, always turn off the power and work.
- ⚠ If there are any traces, wipe it with a cloth soaked in water.
- ⚠ Do not use abrasives or metallic polishes as they may damage the surface finish.
- ⚠ Check periodically whether it is exposed to moisture and whether the product is wet.
(There is a risk of electric shock due to leakage.)
- ⚠ Old, accumulated dust may cause overheating or malfunction of the safety device.
- ⚠ Install and use the product in a place where water does not splash.
- ⚠ If the power cord is damaged during use, it must be replaced by a qualified technician
- ⚠ Do not disassemble the product arbitrarily.
- ⚠ If there is a problem with the product, contact the head office service center.

This product can be used as an auxiliary heater for the purpose of preventing freezing, but please install an additional standby heating method to prevent freezing in case of abnormal situations such as power outages or product failures.

TERMS OF WARRANTY

Warranty Period:

- The warranty period for products sold by the Guarantor begins on the purchase date, and is as follows:
 - **Heating Panel: 10 Years**

Warranty Coverage:

Defects or damage occurring during the warranty period must be reported to the Guarantor no later than 7 days from the date of occurrence. The Guarantor is responsible for any physical defects found in the product sold. The warranty does not cover defects caused by other factors, and specifically excludes the following incorrect use of the product.

- Improper installation or failure to adhere to the installation guidelines.
- Mechanical, chemical, thermal, or other damages caused to the product during use.
- Failure to follow the manufacturer's recommendations regarding product care and use.
- Damage caused by accident, improper flooring, electrical issues, fire, or flooding.
- Malfunctions resulting from incorrect operation, modifications, or unauthorized repairs.
- Improper use other than intended use, outdoor use without following installation instructions

Exclusions from Warranty:

- The warranty does not cover parts subject to normal wear, or parts and consumables such as couplings or fuses.
- Any product that cannot be identified as purchased from the Guarantor.
- In addition, the buyer guarantees that no further modifications will be made to the product without prior approval.

Warranty Claim Process:

- Acceptance of warranty claims is conditional upon meeting the following requirements:
 - The Buyer must submit a complaint via email or fax, including:
 - Product name, catalog number, purchase date, and a detailed description of the issue.
 - Photographs documenting the defect or damage related to the product.
- In cases where the defect or damage is deemed valid under the warranty, the product will be returned to the Buyer after the cost of shipping has been settled.

Important!

**To ensure warranty coverage, measure the resistance value of the heating panel system using a resistance measuring device(multi-meter)as the heating panel's resistance should be within the acceptable range.
If the resistance measurement is not correct, the warranty will not be valid.**

WARRANTY CARD

BUYER NAME:

ADDRESS:

DATE OF PURCHASE:

DATE OF INSTALLATION:

ORDER NO:

INSTALLATION DATA

ROOM	MODEL & POWER	INSTALLER	HEATING PANEL RESISTANCE [Ohm]

PLEASE NOTE!

THE WARRANTY CONDITION IS PROPERLY FILLING IN THE WARRANTY CARD. READ THE WARRANTY TERMS.

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UK Office

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Independent Business Park Imberhorne Lane,
East Grinstead, West Sussex, United Kingdom

Name Signature of Installer