

E.I.T

European Infrared Technologies SA.

Installation and Operation Manual

VARMIGO IR Heating Panels:

1. **Scope of Delivery**
2. **Introduction**
3. **Installation**
4. **Operation**
5. **Technical Data**
6. **Warranty**

1: Scope of Delivery

The package contains:

- Varmigo Heating Panel
- Documentation
- Mounting bracket kit:
 - 2 x wall brackets
 - 2 x Heater brackets
 - 4 x clamp blocks
 - 4 x nuts M8
 - 4 x Spring washers M8

2: Installation

When choosing the installation site it is important to note the following:

- ✓ EIT Varmigo heaters can reach a front-side temperature of up to 320°C
- ✓ The top rail will reach temperatures of up to 200°C.
- ✓ The bottom, the sides and the rear-panel will reach temperatures of up to 100°C

In view of the temperature reached, the following PRECAUTIONS must be observed:

- Do not install or operate a panel if there is mechanical damage to the rear-panel, the profiles or to the power cable (superficial surface markings are not important).
- Ensure that the electrical supply point is correctly installed, and conforms to all local regulations. *The electrical cable fitted to the EPG panels uses special heat-resistant materials, and cannot be replaced by the user.*
- Ensure that the minimum height above ground of all parts of the panel is greater than 180cm

- Mount only near solid, secure and heat-tolerant, fire-safe surfaces (eg Brick, plastered-brick, plasterboard or similar) using the mounting brackets provided.
- If mounting near to wood or other flammable structures or walls, ensure that there is a minimum spacing between them and the rear-panel of at least 40cm. *The mounting brackets supplied by EPG do not provide all of this spacing.*
- There are no user-serviceable parts within the EPG heater panels, and they must only be opened by qualified service personnel. Unauthorized opening voids the warranty.
- When installed 'horizontally', The supply cable will always exit from a side profile. When the panels are installed in the 'vertical' orientation, the cable must exit from the lower profile
- As with any heating device, if any signs of excessive temperature are observed, turn off the heater immediately. Contact your EPG dealer for advice.

Where to Install: The ideal panel installation minimizes convection at the panel, and maximizes Infrared emission. Convection depends on the flow of air close to the panel surface, and this is why we recommend that the panels are installed in an area sheltered from the wind. Where multiple panels are used, distribute them across the space to be heated. One very good aid in visualizing this is to consider how you would place lighting fitments, in order to provide good all-round illumination.

How to Install:

Unpack and check that all required items are present:

Panel and mounting brackets

When using the supplied brackets to mount to a ceiling or wall, first.

1. A qualified Electrical Contractor should install a suitably protected electrical supply cable to within 1m 70cm of the position where the power cable will emerge from the panel. This cable should be either below or to the side of the panel itself. Never install the electrical supply directly behind or above the panel.

2. Attach the mounting brackets to the wall or other support, using suitable screws or bolts. The spacing of the brackets is flexible, but should not be less than 40cm centre-to-centre. The panel may be mounted either horizontally or vertically.
3. Attach the corresponding brackets to the rear panel, using the locking tabs to secure the bracket to the profile. The two locking tabs with arrows should not be fully tightened so that they can be slid to match the spacing of the brackets mounted to the wall.
4. The panel can now be fixed to the wall-mounted brackets, and the fixing nuts tightened. Adjust the angle of the panel before fully tightening the nuts.
5. If mounted vertically, the electrical cable must exit at the bottom of the panel, never at the top.
6. Ensure that the supply cable is fixed between the panel and the distribution box in a way which conforms to local electrical regulations and standards.
7. Make the electrical connections as described in the enclosed sheet specific to your model of panel.

Mounting Instructions

The mounting kit includes:

- 2 x wall brackets
- 2 x Heater brackets
- 4 x clamp blocks
- 4 x nuts M8
- 4 x Spring washers M8

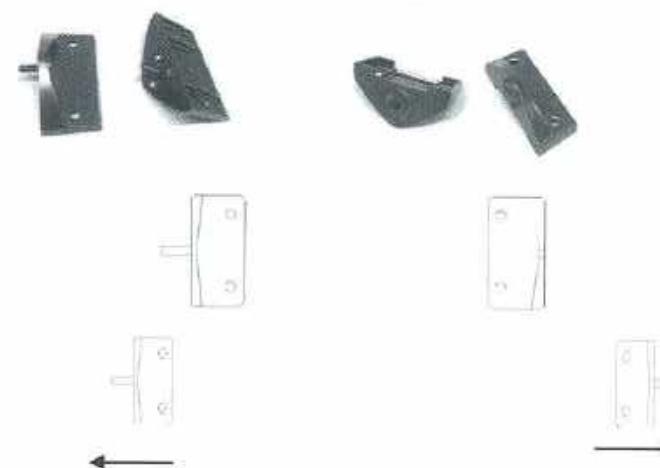
Note:

Each pair of mounting bracket includes a plain bracket with fixed bolt, and a recessed bracket with bolt-hole. The plain bracket (photo) is to be fixed to the wall, and the recessed bracket is clamped to the heater panel.

Step 1: Fix the two wall-brackets to the wall or other suitably solid heat-resistant structure, in the place where you wish to mount the heater panel. Refer to the user's manual for information on how to choose the installation position. The brackets should be spaced 35cm to 60cm apart, and with the fixed bolts facing outwards.

WALL brackets (2)

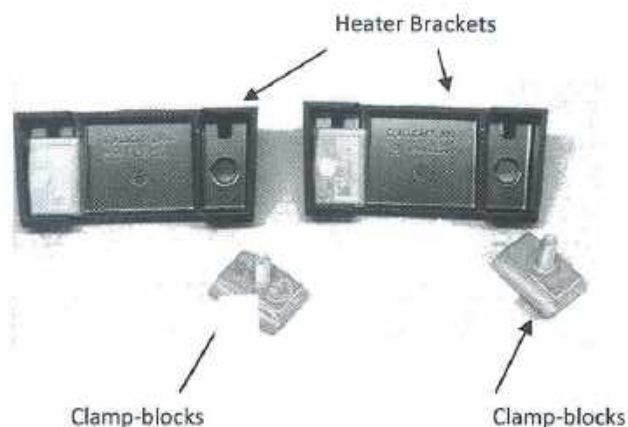
HEATER brackets (2)



Note:

Distance between brackets should be from 35 to 60 cm. Bolts facing outwards, away from each other.

Step 2: Attach the heater brackets to the rear panel of the heater, using the clamp-blocks and 4 nuts and spring washers. Use two clamp-blocks on one bracket, and two on the other bracket. Position the brackets with their friction-surfaces facing inwards, towards each other, and slightly wider apart than the brackets already fixed to the wall.



Slide a bracket to the desired position and fully tighten the clamp-block nuts and spring washers. Do not fully tight the other bracket yet.

Step 3: Slide the movable bracket as far as possible towards the end of the heater. Offer-up the heater to the wall brackets, taking care to first align the fully tight heater bracket over the corresponding wall bracket, before sliding the movable bracket into position. Attach nuts and spring-washers to the wall brackets and tighten, taking care to adjust the angle of the heater panel in the desired way.

4: Operation:

The 1100W and 2200W model uses a single element designed to operate at a single power level. It is either on or off.

After switch-on, the front panel will begin to feel warm after only a few seconds, and will reach full operating temperature in 5-10 minutes.

5: Technical Data:

VARMIGO MODEL	Dimensions L x W x H cm	Weight	Voltage	Power (startup)	Operating temperature	Max Cold current
1100W	83x30x15	7,2 Kg	230V 50Hz	1100W	320°C ± 25°C	4.8 A
2200W	83x50x15	11,5 Kg	230V 50Hz	2200W	320°C ± 25°C	9.6 A

6: Warranty

European Infrared Technologies sa (EIT) warrants to the original purchaser of its products specified below that its products are free from defects in material and workmanship for the period after purchase of the EIT products as stipulated below. Subject to the conditions and limitations set forth below, EIT will, at its option, either repair or replace any part of its products that prove defective by reason of improper workmanship or materials. Repaired parts or replacement

products will be provided by EIT on an exchange basis, and will be either new or recertified. All

recertified products have been tested to ensure that they are functionally equivalent to new products. If EIT is unable to repair or replace the product, it will refund or credit the current value of the product at the time the warranty claim is made. This limited warranty does not cover any damage to this product that results from improper installation, accident, abuse, misuse, natural disaster, insufficient or excessive electrical supply, abnormal mechanical or environmental conditions, or any unauthorized disassembly, repair, or modification. The siting and installation requirements for each product are clearly set-out in their accompanying user guides. Installations which do not respect these requirements will render the warranty null and void.

This limited warranty does not apply to any product on which the original identification information has been altered, obliterated or removed, or which has not been handled or packaged correctly or has been sold as second-hand. This limited warranty covers only repair, replacement, refund or credit for defective EIT products, as provided above. EIT shall not be held liable for any consequential loss, damages or additional costs associated with warranty claims against EIT products.

Two-year Warranty:

The Varmigo heaters are covered by this warranty for a period of **two** years from the date of original purchase:

Free Technical Support

If you experience difficulty during the installation or subsequent use of an EIT product, you may use The Web links or contact EIT Technical Support department prior to servicing your system.
For support over the Internet;

or contact the EIT Office for e-mail support: info@blacksunheating.com