

MARK Infra ER 2600W

06 61 650



Read this document before installing the heater

Warning

Incorrect installation, adjustment, alteration, repair or maintenance work may lead to material damage or injury. All work must be carried out by certified, qualified professionals. If the appliance is not positioned in accordance with the instructions, the warranty shall be rendered void. This appliance is not intended for use by children or persons with a physical, sensory or mental handicap, or who lack the required experience or expertise, unless they are supervised or have been instructed in the use of the appliance by somebody who is responsible for their safety. Children must be supervised to ensure that they do not play with the appliance.

Subject to change

The manufacturer is committed to constantly improving its products and reserves the right to make changes in the specifications without prior notice. The technical details are considered correct but do not form the basis for a contract or warranty. All orders are accepted according to the standard terms of our general sales and delivery conditions (available upon request). The information in this document is subject to change without notice. The most recent version of this manual is always available at www.markclimate.com/downloads.

1.0 Warnings

The radiant heater is designed for safe operation. Nevertheless, installation, maintenance and operation of the heater can be dangerous. Observing the following procedures will reduce the risk of fire, electric shock, injury to persons and keep installation time to a minimum. Save these instructions for future use.

1. Read all instructions before using this heater.
2. Remove the unit from its packaging and check to make sure it is in good condition before using.
3. Do not let children play with parts of the package (such as plastic bags).
4. MARK Infra ER electric radiant panel has an IP rating of 65. This means it is safe for water ingress from all directions. The MARK Infra ER can be safely hosed down.
5. Check the household voltage to ensure it matches the heaters rated specification.
6. When energizing the unit, be sure your hands are dry to prevent electric shock.
7. Do not use flammable objects near or point the heater to furniture, pillows, bedding, paper, clothes and curtains. Keep at least 1 meter from the front of the heater and keep objects away from the sides and rear.
8. Do not insert or allow foreign objects to enter any ventilation or exhaust opening, as this may cause an electric shock, fire or damage to the heater.
9. Do not leave the appliance unattended when in use.
10. If installed in wet areas, the heater switches or controls must be located so that they cannot be touched by persons in the bath or shower.
11. No liability can be accepted for any damage caused by non compliance with these instructions or any other improper use or mishandling.

12. This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities or lack of experience and knowledge unless they have been given supervision or instruction concerning the use of the appliance by a person responsible for their safety. Children and vulnerable people should be supervised to ensure they do not play with the appliance.
13. To prevent overheating of this appliance, keep the air inlets and outlets clean and free of anything that may cause blockage. Check all inlets and outlets from time to time to ensure it is clear of any dirt or dust accumulation. **DO NOT COVER.**
14. In operation, this heater is **VERY HOT**— do not touch any part of the heater while it is turned on. Do not touch any part until 30 minutes after it is turned off.
15. **NEVER** place hands under the heating elements. **ALWAYS** allow heating element to cool at least 10 minutes before touching the heating tube or adjacent parts.
16. The heater needs to be installed as per the installation instructions paying special attention to the minimum clearances. The heater needs to be mounted on a rigid bracket or fixing.
17. A means for disconnection of the appliance must be incorporated in accordance with the local wiring codes.
18. The heater must not be mounted immediately below or in front of a socket outlet.
19. In case of a heater fault or damaged supply lead, the appliance should be returned to the point of purchase for repair.
20. This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.

2.0 Product data

MARK Infra ER 2600W	
Voltage (V)	220-240 V AC
Wattage (W)	2600
Hertz (Hz)	50/60
Dimensions WxHxD (mm)	1390x160x85 (without RC) 1510x160x50 (with RC)
Weight (kg)	8.2 kg (without RC) 8.5 kg (with RC)

3.0 Installation

This heater should be installed by a competent person, i.e. a qualified electrician. The ideal mounting position for the MARK Infra ER electric radiant panel is on the ceiling, directly above the area to be heated. If this is not possible, MARK Infra ER can be mounted on a wall and angled downwards. In this situation, ensure the mounting height is in the range of 2,5-5m and the table is within 4m of the wall.

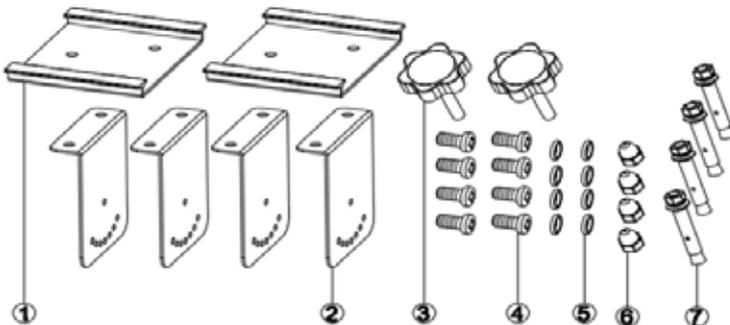
Wall/ceiling mount swivel brackets are provided with the heater which have been specifically designed to allow this product to be fitted to a wall or ceiling. Before drilling, make sure that the wall/ceiling is solid and that there are no hidden water pipes or electric wires.

For mounting heights more than 5m, we recommend the use of the optional accessories to reduce the height of the heater to 2,5m-5m. This will increase the effectiveness of your MARK Infra ER. Refer to the mounting accessory section for more information.

Electrical connections/GPO's should not be located at the back of the heater. They should be located outside the physical footprint of the units to minimize heat build-up behind the units.

If the heater is to be mounted on an incline (eg. Vaulted ceiling), ensure the electrical connection is located at the lowest point of the heater.

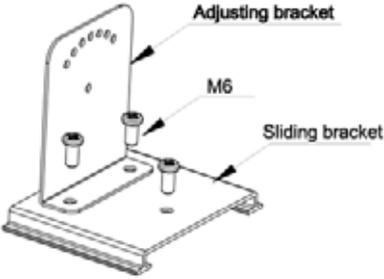
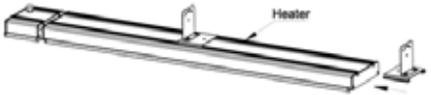
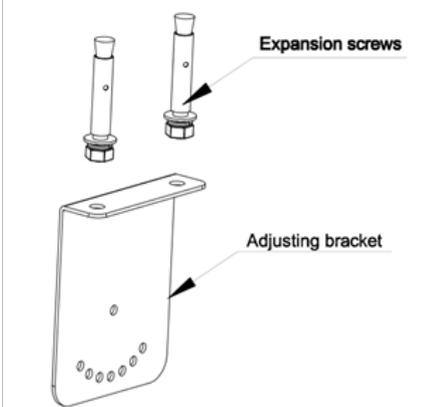
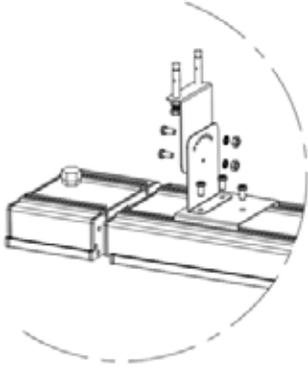
Installation Accessories :



1	sliding block	AL	2PCS
2	Bracket	L shape	4PCS
3	The handle screws	M8mm	2PCS
4	screw	M6*12mm	8PCS
5	gasket	Ø6mm	8PCS
6	nut	M6mm	4PCS
7	screw	M6*60mm	4PCS

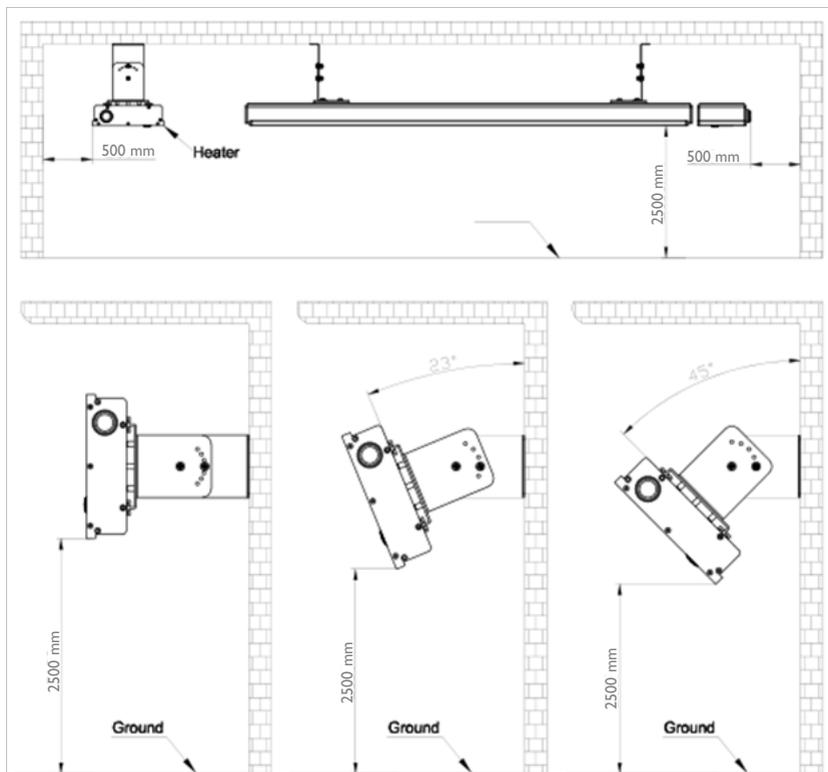
3.1 Standard mounting brackets

The MARK Infra ER electric radiant panel comes with a pair of standard mounting brackets. These adjustable brackets allow direct ceiling or wall mount, and come with preset angle options.

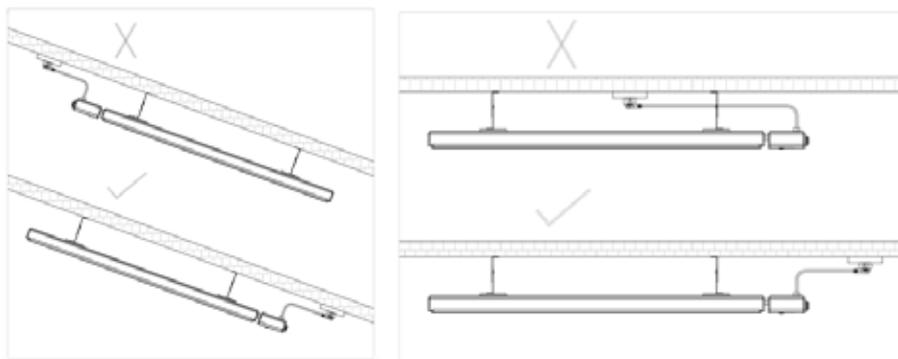
<p>Step 1: Assemble the adjusting bracket to a sliding bracket.</p>	<p>Step 2: Installation of sliding bracket & heater as pointed by arrow.</p>
 <p>Adjusting bracket</p> <p>M6</p> <p>Sliding bracket</p>	 <p>Heater</p>
<p>Step 3: Fix adjusting bracket into the wall by expansion screws.</p>	<p>Step 4: Installation of two adjusting brackets, make sure brackets are locked tight with screws</p>
 <p>Expansion screws</p> <p>Adjusting bracket</p>	

3.2 Installation location

The below diagrams confirm the minimum recommended clearance.



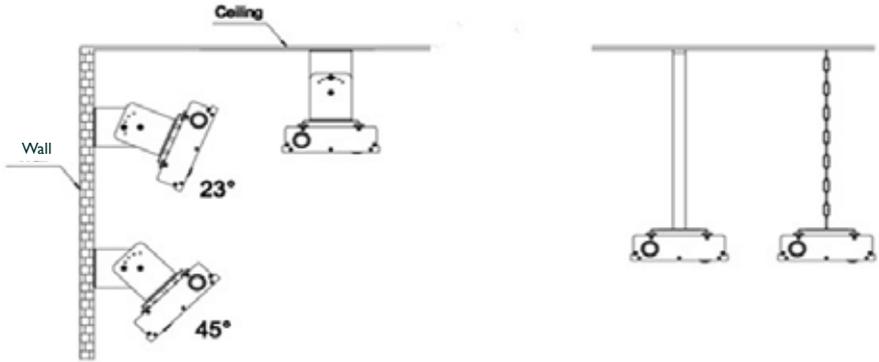
3.3 Correct installation



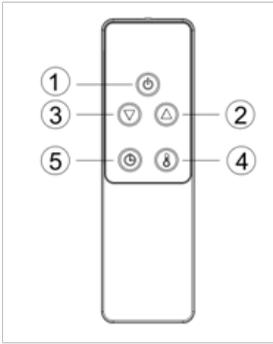
3.4 Multi installation

The installation of a MARK Infra ER electric radiant panel is simple and easy with the standard mounting brackets supplied. For other more challenging locations there are range of mounting options available - refer to below diagrams

The panel can be mounted directly to the ceiling, angled downwards on a wall, fitted flush with the ceiling; suspended on chains or poles; attached to beams or poles; mounted end-to-end. (All extension brackets & chains are not included).



3.4 Remote control instructions



Remote Control Function			
Button	Function (Heater ON)	Function (Heater OFF)	LED Display on Heater
1	Turns heater on or off		
2	Increase Heat Level or Timer hours	Turns heater on to Level 1 (minimum)	L1
3	Decrease Heat Level or Timer Hours	Turns heater on to Level 2 (Maximum)	L2
4	Enable Heat Level adjustment		L [n]
5	Enable Timer adjustment	0-24	[0H]-[24H]

1. **POWER BUTTON:** Turn the heater off.
2. **UP BUTTON:** Increase timer and level.
3. **DOWN BUTTON:** Decrease timer and level.
4. **LEVEL BUTTON:** Use to adjust the heat levels (L1-L2, L1 50% power, L2 100% power). Press the Level button then use the up and down buttons (buttons 2 and 3) to increase or decrease the heating level.
5. **TIMER BUTTON:** To set the timer from 0H-24H, which is the number of hours it will run. 0H will display and then adjust to the number of hours you would like to set, using the up and down buttons (2 and 3).

Noted: All MARK Infra ER electric radiant panels and their remote controls have the same frequency, so it is possible to control several heaters with just one remote.

PUSH BUTTON: on the right end of heater, it could be manually operated without remote control.

3.4.1 Inserting batteries

Insert 2 AAA/ Alkaline type batteries into your remote control

1. Flip the backside of your remote control and pull out battery cover. Insert the batteries in accordance with the instructions and polarity.
2. Change the batteries in the same way depicted above.

NOTICE:

1. Replace the old batteries with the same type batteries. Otherwise, your heater may not function well.
2. Pull out the batteries in case of long terms of disuse to prevent leakage which may impair your remote control.
3. Do not allow water or liquid to get into the remote control.

4.0 Maintenance

The MARK Infra ER electric radiant panel is made from durable materials, however regular care and maintenance of your heater will help prolong the life of the heater.

1. It is recommended that you hose down the heater and with a soft cloth gently wipe the surfaces of the heater with a mild detergent to remove the built up contaminants from the environment. Then rinse all detergent off the heater.
2. All chemicals in the atmosphere including cigarette smoke, pollution etc. will tarnish the surface of the heater. In this case, additional cleaning and maintenance may be required.
3. Carrying out the cleaning process at least every three months will reduce the amount of build up and keep the MARK Infra ER electric radiant panel in good condition.
4. If the heater is in a corrosive environment eg. salt spray, we recommend that you clean your heater with a light spray of fresh water every week. After cleaning, turn the heater on for 20 minutes to dry any water residue and prevent water staining.
5. Before cleaning or inspection activity, the heater must be switched off and cooled down completely.
6. Do not use any abrasive materials or products to clean the heater, this includes solvents, citrus based cleaners or other harsh cleaning products.
7. When handling the heater, ensure that your hands are clean or that you use clean gloves as grease or dirt can mark the surface of the heater.
8. Do not use high pressure water to clean heaters, light water spray only.

Storage: Store the heater in a cool, dry location when not in use to prevent dust and dirt build up. Use packaging carton to store.

5.0 Recycling

At the end of the electrical products useful life it should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice in your country.

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