

MIRRORSTONE

INFRARED HEATING

USER MANUAL

PRIME SERIES

- MS-PRM-4060
- MS-PRM-6060
- MS-PRM-40120
- MS-PRM-6090
- MS-PRM-60120
- MS-PRM-60140
- MS-PRM-TH-4060
- MS-PRM-TH-6060
- MS-PRM-TH-40120
- MS-PRM-TH-6090
- MS-PRM-TH-60120
- MS-PRM-TH-60140
- MS-PRM-R-4060
- MS-PRM-R-6060
- MS-PRM-R-40120
- MS-PRM-R-6090
- MS-PRM-R-60120
- MS-PRM-R-60140

PRO SERIES

- MS-PRO-6060
- MS-PRO-40120
- MS-PRO-6090
- MS-PRO-60120
- MS-PRO-70110
- MS-PRO-R-6060
- MS-PRO-R-40120
- MS-PRO-R-6090
- MS-PRO-R-60120
- MS-PRO-R-70110

AIR SERIES

- MS-AIR-TH-6060
- MS-AIR-TH-60100
- MS-AIR-TH-60140
- MS-AIR-TH-V-60100
- MS-AIR-TH-V-60140
- MS-AIR-R-6060
- MS-AIR-R-60100
- MS-AIR-R-60140
- MS-AIR-R-V-60100
- MS-AIR-R-V-60140

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FOLLOW INSTRUCTIONS

Notes with this symbol indicate that the operating instructions must be observed.

Notes On The Operating Instructions

SYMBOLS



Warning Of Electrical Voltage

This symbol indicates that there is a danger to life and health due to electrical voltage.



Warning Of Hot Surface

This symbol indicates that there is a danger to life and health due to hot surfaces.



Warning

The signal word indicates a hazard with a medium level of risk which, if not avoided, could result in death or serious injury.



Caution

The signal word indicates a hazard with a low level of risk which, if not avoided, may result in minor or moderate injury.

Note

The signal word indicates important information (e.g. damage to property), but not hazards. Info Notes with this symbol help you to carry out your activities quickly and safely.



Info

Notes with this symbol help you to carry out your activities quickly and safely.

SAFETY

Read these instructions carefully before commissioning/using the appliance and always keep the instructions in the immediate vicinity of the installation site or on the appliance!

Warning

Read all safety information and instructions.

Failure to observe the safety information and instructions may result in electric shock, fire and/or serious injury. and / or serious injury.

Keep all safety information and instructions for future reference.

The 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 / or knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children must not play with the appliance. Cleaning and user maintenance must not be carried out by children without supervision.

Children under the age of 3 must be kept away unless they are constantly supervised.

Children aged 3 years and under and younger than 8 years may only switch the appliance on and off if they are supervised or have been instructed in the safe use of the appliance and understand the resulting dangers, provided that the appliance is placed or installed in its normal position of use.

Children aged 3 years and under 8 years must not insert the plug into the socket, regulate the appliance, clean the appliance and/or carry out user maintenance.

Do not use the appliance in small rooms if there are people in the room who cannot leave the room independently and are not under constant supervision.

- Do not operate the device in rooms where there is a risk of explosion.
- Allow the device to dry after cleaning with a damp cloth. Do not operate it when it is wet.
- Do not operate or use the device with damp or wet hands.

SAFETY

- Do not expose the device to a direct jet of water.
- Never stick objects or limbs into the device.
- Do not cover the device during operation and do not transport it.
- Do not remove any safety signs, stickers or labels from the device. Keep all safety signs, stickers and labels in a legible condition.
- Do not sit on the device.
- The device is not a toy. Keep children and animals away. Only use the device under supervision.
- Before each use, check the device, its accessories and connection parts for possible damage. Do not use defective devices or device parts.
- Make sure that all electrical cables outside the device are protected from damage (e.g. by animals). Never use the device if the electrical cable or the power connection is damaged!
- The power connection must correspond to the information in the Technical Data chapter.
- Insert the power plug into a properly protected power socket.
- Select power cable extensions taking into account the device's connected load, the cable length and the intended use. Unroll extension cables completely. Avoid electrical overload.
- Before carrying out maintenance, care or repair work on the device, unplug the power cable from the power socket by holding it at the power plug.
- Switch the device off and remove the power cable from the power socket when you are not using the device.
- Never use the device if you notice any damage to the power plug or power cable. If the power cable of this device is damaged, it must be replaced by the manufacturer, its customer service or a similarly qualified person in order to avoid a hazard. Defective power cables pose a serious health risk!

SAFETY

- When installing, observe the minimum distances from walls and objects as well as the storage and operating conditions as set out in the Technical Data chapter.
- Never drill into the heating plate.
- Do not use the device in the immediate vicinity of curtains.
- Allow the device to cool down before transporting and/or carrying out maintenance work.
- Do not use this device near bathtubs, shower trays, swimming pools or other vessels containing water. There is a risk of electric shock!
- The device must be installed in such a way that switches and other controls cannot be touched by a person in the bathtub or shower.

INTENDED USE

This product is only suitable for well-insulated rooms or for occasional use.
Only use the appliance to heat surfaces indoors.
The appliance is suitable for wall mounting.
The intended use includes

- Heating of surfaces
 - in apartments,
 - in storage rooms,
 - in shops,
 - in residential containers.

IMPROPER USE

- Do not use the device outdoors.
 - Do not place objects, such as clothing, on the device.
 - Do not use the device to heat vehicles.
 - Do not use the device near petrol, solvents, paint or other highly flammable vapors, or in rooms where these are stored.
 - The device must not be installed in a shower cubicle or directly above a bathtub.
 - The device must not be used near swimming pools.
 - Do not use the device in the immediate vicinity of sinks, bathtubs or other containers containing water. Never immerse the device in water.
- Any operation or use other than that specified in these instructions is not permitted. Failure to observe these instructions will invalidate all liability and warranty claims.
- Unauthorized structural changes, additions or conversions to the appliance are prohibited.

PERSONNEL QUALIFICATION

Persons using this device must:

- be aware of the dangers that arise when working with electrical devices in damp environments.
- have read and understood the operating instructions, particularly the safety chapter.

Maintenance work that requires the housing to be opened may only be carried out by specialist electrical companies.

SYMBOLS ON THE DEVICE

Symbols	Meaning
	The symbol on the appliance indicates that it is not permitted to hang objects (e.g. towels, clothing, etc.) above the appliance or directly in front of it. The heater must not be covered in order to avoid overheating and the risk of fire!
	The symbol on the appliance indicates that there is a risk to life and health due to hot surfaces.

SAFETY

BEHAVIOR IN AN EMERGENCY

1. Disconnect the appliance from the mains supply in an emergency: unplug the connection cable from the mains socket by holding it by the mains plug.
2. Do not reconnect a defective appliance to the mains supply.

RESIDUAL RISKS



Warning Of Electrical Voltage

Work on electrical components may only be carried out by an authorized specialist company!



Warning

Risk of suffocation!

Do not leave the packaging material lying around carelessly. It could become a dangerous toy for children.



Warning Of Electrical Voltage

Remove the mains plug from the mains socket before carrying out any work on the appliance! Disconnect the mains cable from the mains socket by holding it by the mains plug.



Warning

There is a risk of fire if the appliance is set up or attached incorrectly.



Warning Of Hot Surface

Parts of this appliance can become very hot and cause burns. Particular care should be taken when children or other vulnerable persons are present!



Warning

The appliance must not be covered to avoid overheating and the risk of fire!



Warning Of Hot Surface

The surface of the appliance heats up during operation. Do not touch the surface of the appliance during operation and maintain the minimum distance!



Warning

The heater must not be installed directly below a wall socket.



Warning

A falling appliance can injure you! Get other people involved when transporting and installing the appliance. Do not stand under the lifted appliance. Ensure that the appliance is securely fastened to the wall.



Warning

This appliance can be dangerous if it is used improperly or not as intended by untrained persons! Observe the personnel qualifications!



Warning

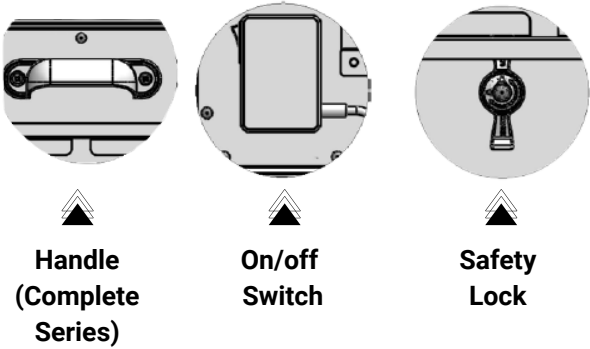
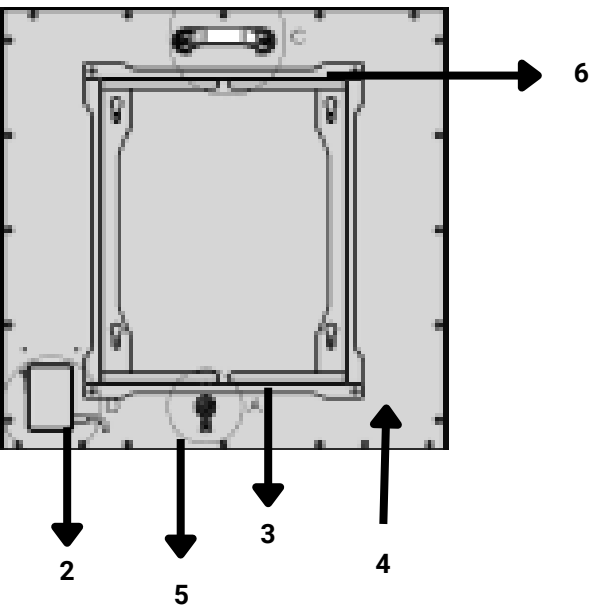
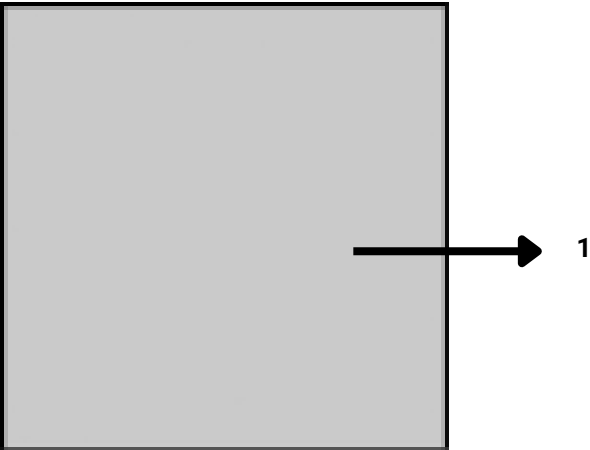
The appliance is not a toy and does not belong in the hands of children.

INFORMATION ABOUT THE DEVICE

Device Description

Device description
The device is based on the functional principle of heat generation through infrared radiation. People or objects are heated directly.
The heating plates ensure even heat distribution in the room.

Device Display



No	Designation
1	Front
2	Mains Cable
3	Wall Mounting
4	Rear
5	Rotating safety catch for ceiling mounting
6	Removable wall bracket

TRANSPORTATION & STORAGE

Note

If you store or transport the device improperly, the device may be damaged. Observe the information on transporting and storing the appliance.

Transportation

- Observe the following instructions before each transport:
- Unplug the power cord from the power outlet by holding it at the power plug.
 - Do not use the power cord as a pull cord.
 - Allow the device to cool down sufficiently.

Storage

- Observe the following instructions before each storage:
- Unplug the power cord from the power socket by holding it at the power plug.
 - Allow the device to cool down sufficiently.
- Observe the following storage conditions when the appliance is not in use:
- dry and protected from frost and heat
 - in an upright position in a place protected from dust and direct sunlight
 - if necessary, protected from dust with a cover
 - do not place any other devices or objects on top of the device to avoid damaging the device

PRIME SERIES ASSEMBLY AND INSTALLATION

Scope Of Delivery

- 1 x IR heating plate
- 4 x screws
- 4 x dowels
- 1 x instructions

Unpacking The Appliance

- 1 Open the box and remove the device.
- 2 Completely remove the packaging from the device.
- 3. completely unwind the mains cable. Ensure that the mains cable is not damaged and do not damage it when unwinding.

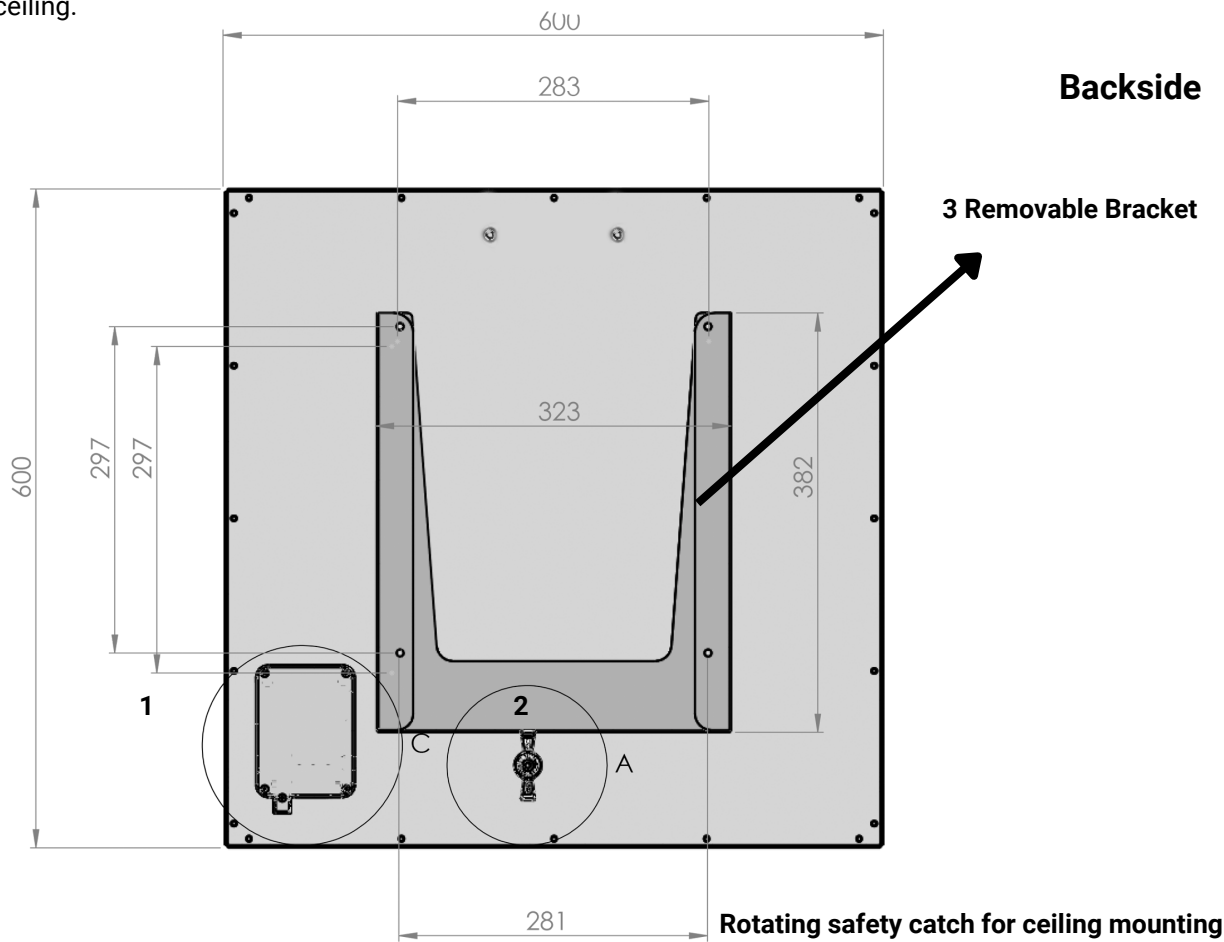
Assembly

The appliance is pre-assembled on delivery. The heater must not be installed directly below a wall socket.

Installation

1. position the bracket on the wall or ceiling.
2. mark the 4 corner drill holes of the bracket on the wall or ceiling.

No	Designation
1	Start Box
2	Bracket Lock
3	Wall Bracket Removable



3. Drill 8 mm holes in the wall or ceiling. Please use the enclosed wall plugs and screws. The screws should protrude approx. 0.5 cm from the wall plugs.
4. use screws with a size of 6 x 50 mm
5. hang the device in the bracket and lock it in place by moving the rotating lock so that it hangs securely

PRO & AIR ASSEMBLY AND INSTALLATION

Scope Of Delivery

- 1 x IR heating plate
- 4 x screws
- 4 x dowels
- 1 x instructions

Unpacking The Appliance

- 1 Open the box and remove the device.
- 2 Completely remove the packaging from the device.
- 3. completely unwind the mains cable. Ensure that the mains cable is not damaged and do not damage it when unwinding.

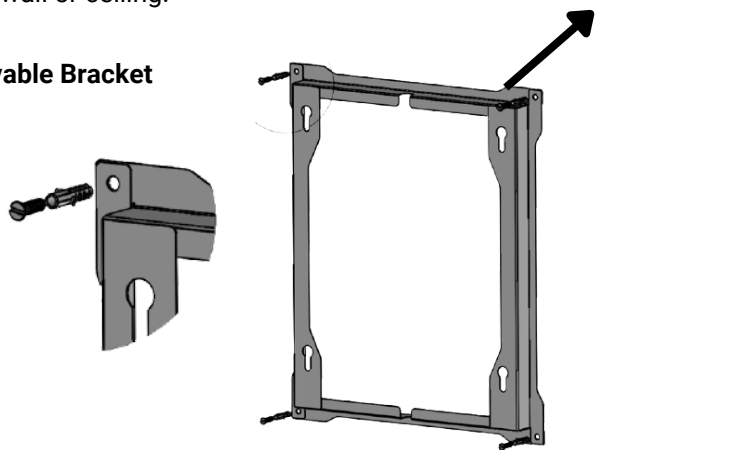
Assembly

The appliance is pre-assembled on delivery. The heater must not be installed directly below a wall socket.

Installation

1. position the bracket on the wall or ceiling.
2. mark the 4 corner drill holes of the bracket on the wall or ceiling.

Removable Bracket

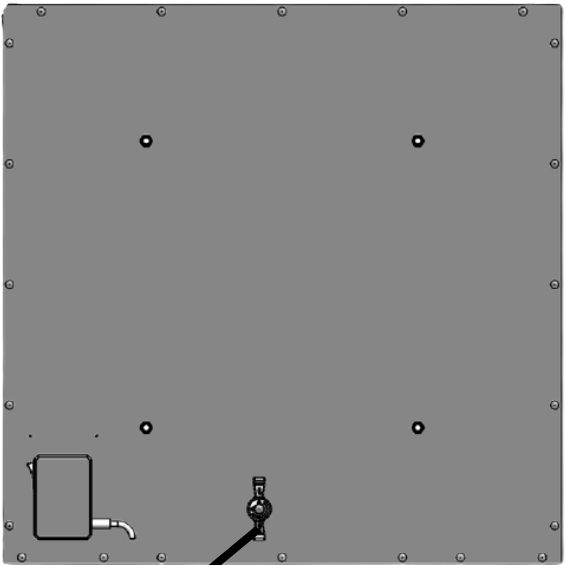


3. drill 8 mm holes in the wall or ceiling. Please use the enclosed wall plugs and screws.

The screws should protrude approx. 0.5 cm from the wall plugs.

4. use screws with a size of 6 x 50 mm
5. hang the device in the bracket and lock it in place by moving the rotating lock so that it hangs securely

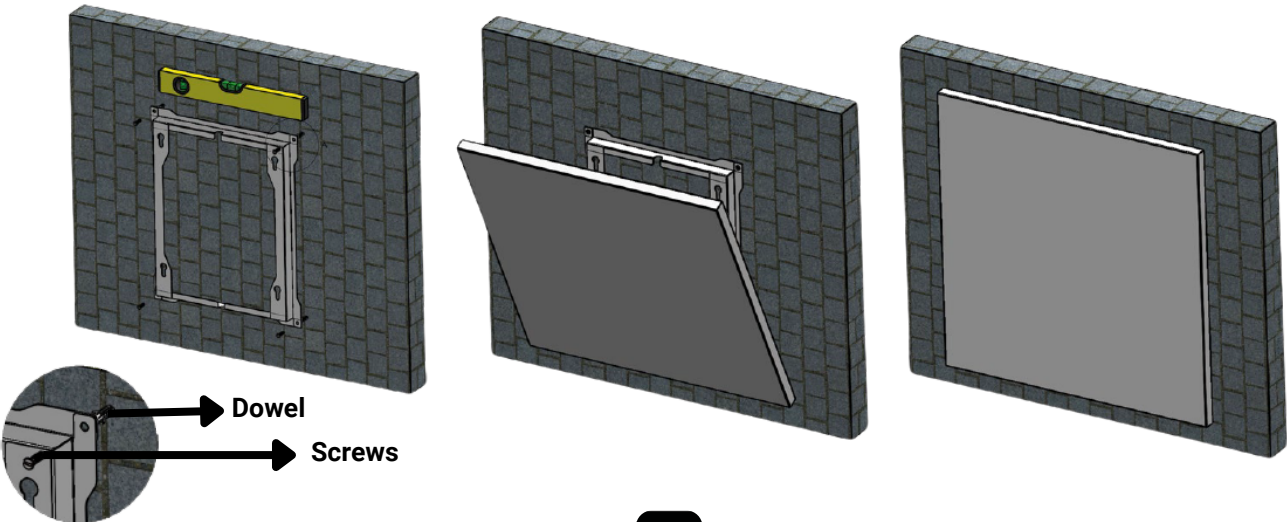
Backside



1

2

3



PRO HEXAGON SERIES ASSEMBLY AND INSTALLATION

Scope Of Delivery

- 1 x IR heating plate
- 4 x screws
- 4 x dowels
- 1 x instructions

Unpacking The Appliance

- 1 Open the box and remove the device.
- 2 Completely remove the packaging from the device.
- 3. completely unwind the mains cable. Ensure that the mains cable is not damaged and do not damage it when unwinding.

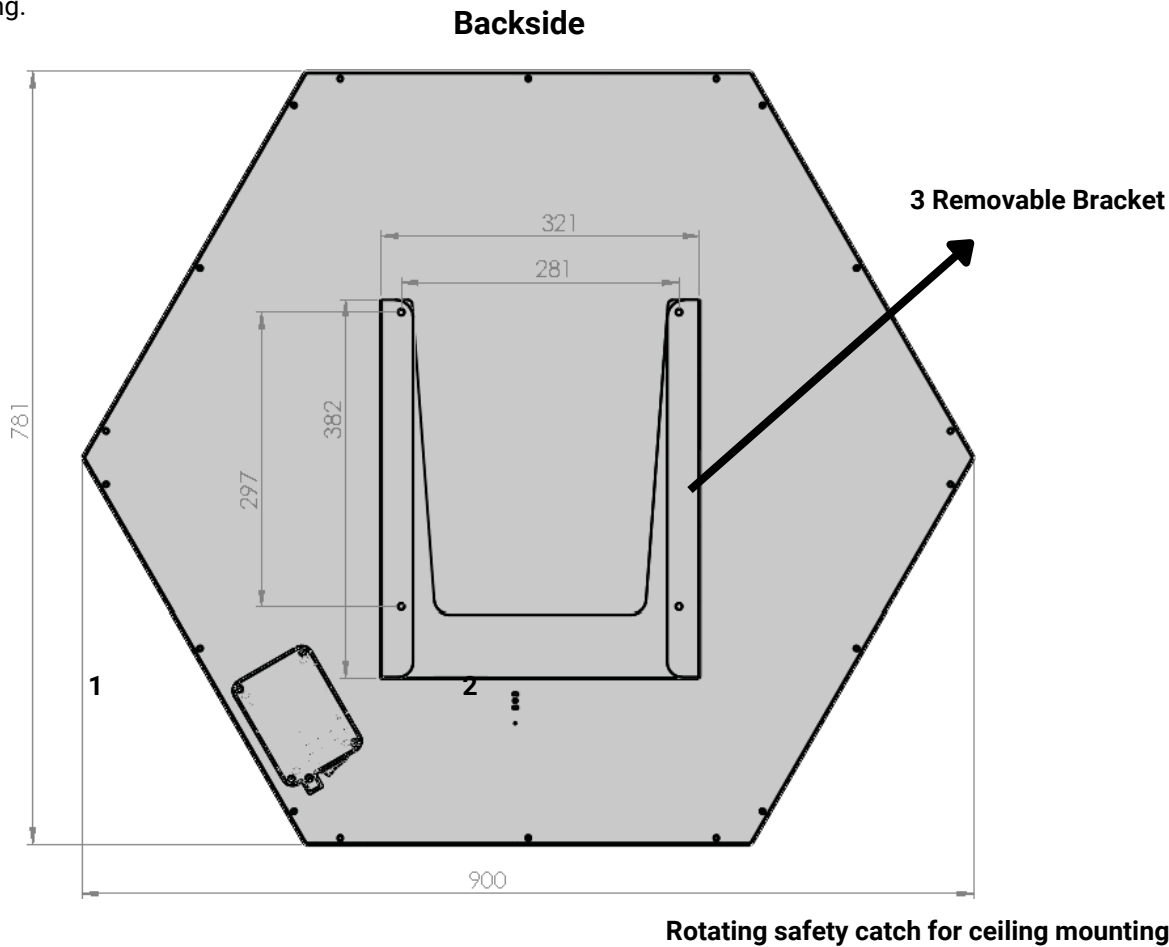
Assembly

The appliance is pre-assembled on delivery. The heater must not be installed directly below a wall socket.

Installation

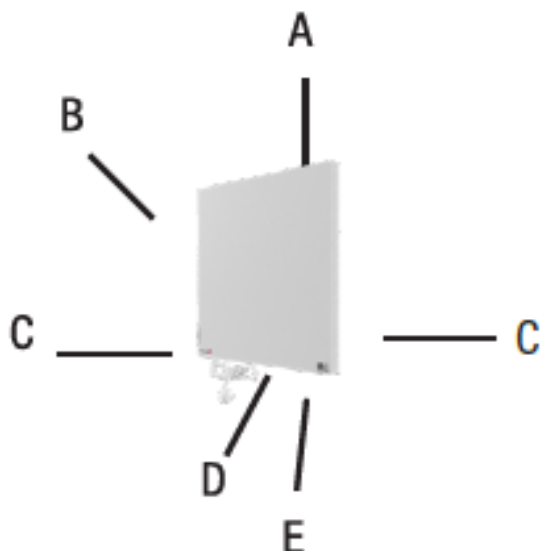
1. position the bracket on the wall or ceiling.
2. mark the 4 corner drill holes of the bracket on the wall or ceiling.

No	Designation
1	Start Box
2	Bracket Lock
3	Wall Bracket Removable



3. drill 8 mm holes in the wall or ceiling. Please use the enclosed wall plugs and screws. The screws should protrude approx. 0.5 cm from the wall plugs.
4. use screws with a size of 6 x 50 mm
5. hang the device in the bracket and lock it in place by moving the rotating lock so that it hangs securely

ASSEMBLY AND INSTALLATION



MINIMUM DISTANCES

Top - A 50 cm

Rear - B 2 cm

Side - C 10 cm

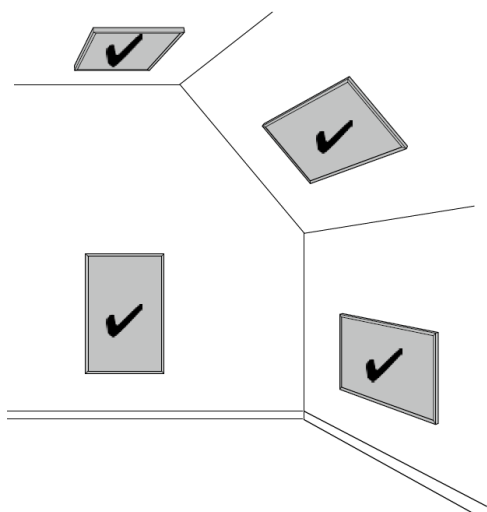
Front - D 30 cm

Bottom - E 15 cm

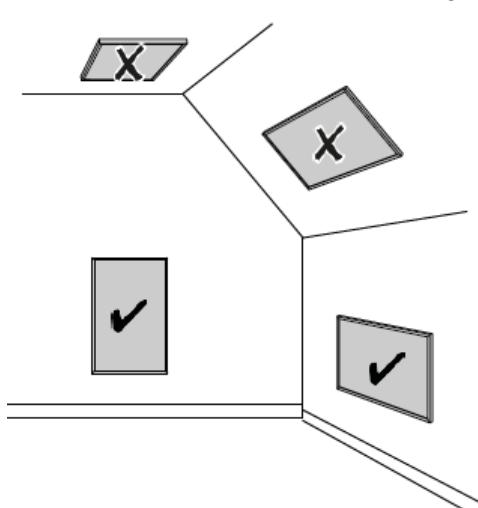
1. position the bracket on the wall.

2. mark the 4 corner drill holes of the bracket on the wall.

Core & Pro heaters are suitable for ceiling mounting



Air heaters are not suitable for ceiling mounting



COMMISSIONING INFO

During initial commissioning or after a long period odors may develop when the appliance is not used for a long time.

When installing the appliance, observe the minimum distances from walls and objects as specified in the Technical data section.

- Before using the device again, check the condition of the power cable. If you are in doubt about its perfect condition, call customer service.
- Place the device upright and stable or hang it up horizontally.
- Avoid tripping hazards when laying the mains cable or other electrical cables, especially when installing the appliance in the middle of the room. Use cable bridges.
- Ensure that cable extensions are fully unwound or unrolled.
- Ensure that there are no curtains or similar in the immediate vicinity.

CONNECTING THE MAINS CABLE

Insert the power plug into a properly protected power socket.

SERVICE

Insert the mains plug into a sufficiently fused mains socket.

Ensure that the mains cable is routed behind the appliance. Never route the mains cable in front of the appliance!

The operating indicator lamp lights up.

DECOMMISSIONING

WARNING OF ELECTRICAL VOLTAGE

Do not touch the mains plug with damp or wet hands.

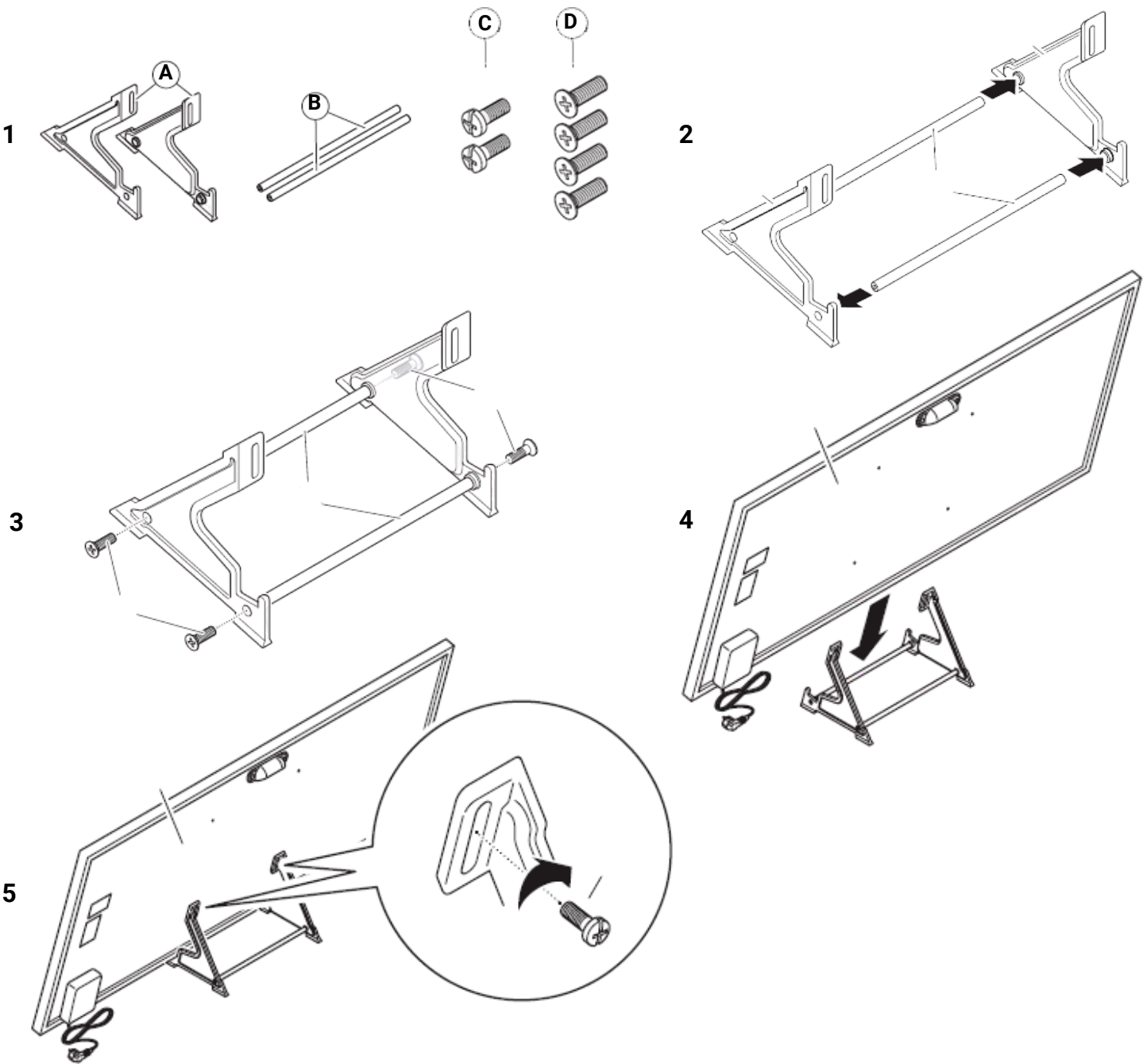
1. unplug the mains cable from the mains socket by grasping the mains plug.
2. allow the appliance to cool down completely.
- 3 Clean the appliance as described in the Maintenance chapter.
4. store the appliance as described in the Storage chapter.

FOOT STAND INSTALLATION (OPTIONAL)

Foot stand is optional. It does not come with the product but is purchased separately.

A	Brackets (for upright placement)
B	Joining Shaft
C	Screw to connect the foot stand with the heater
D	Shaft screw

1	Components
2	Align the joining Shaft with the holes
3	Connect shafts with long screws
4	Place the panel on the foot stand
5	Adjust the panel to fit the holes and screw it in.



ERRORS AND FAULTS



Warning of electrical voltage **Work that requires the housing** **to be opened may only be** **carried out by authorized**

The appliance has been checked several times during production to ensure that it functions correctly. However, should malfunctions occur, please check the appliance according to the following list.

The Appliance Does Not Heat:

- Check the mains connection.
- Check the mains cable and mains plug for damage.
- Check the mains fuse provided by the customer.
- Wait 10 minutes before restarting the appliance. If the appliance does not start, have an electrical check carried out by a specialist company.

The Surface Of The Appliance Curves Outwards:

The material expands when heated. This is a normal process. No action is required.

The Surface Of The Device Heats Up Only Slightly:

- The power supply voltage does not meet the requirements. Check the power supply voltage.
- The ambient temperature is low. This is normal. No action is required.

The Device Makes Noises After Switching On:

The material expands when heated. The insulation also expands and causes the noise. This is a normal process. No action is required.

Is your appliance not working properly after the checks? Pull out the mains plug!

Contact customer service. If necessary, take the appliance to an authorized specialist electrical company for repair.

WARNING

Activities before starting maintenance



Warning Of Electrical Voltage

Do not touch the mains plug with damp or wet hands.

- Switch off the appliance.
- Disconnect the mains cable from the mains socket by holding it by the mains plug.
- Allow the appliance to cool down completely.



Warning of electrical voltage **Work that requires the housing** **to be opened may only be** **carried out by authorized** **specialist companies.**

CLEANING THE DEVICE



Warning of electrical voltage

Never immerse the device under water!

Clean the device with a damp, soft, lint-free cloth. Ensure that no moisture penetrates the housing. Ensure that no moisture can come into contact with electrical components. Do not use any aggressive cleaning agents such as cleaning sprays, solvents, alcohol-based cleaners or abrasive cleaners to moisten the cloth. Wipe the housing dry after cleaning.

TECHNICAL APPENDIX

Parameters	Value		
Prime Model	MS-PRM-4060	MS-PRM-6060	MS-PRM-40120
Pro Model		MS-PRO-6060	MS-PRO-40120
Air Model			
Heat Output	300 Watt	450 Watt	550 Watt
Mains Connection	1/N/PE ~ 230 V / 50 Hz	1/N/PE ~ 230 V / 50 Hz	1/N/PE ~ 230 V / 50 Hz
Rated current	1,3 A	1,95 A	2,4 A
Connection type	CEE 7/7 (Schuko)	CEE 7/7 (Schuko)	CEE 7/7 (Schuko)
Cable length	1,9 M	1,9 M	1,9 M
Efficiency	98%	98%	98%
Surface temperature	95-105 °C	95-105 °C	95-105 °C
Protection class CORE/PRO	IP44	IP44	IP44
Protection class AIR			
Prime Weight	4 kg	5,9 kg	7,5 kg
Pro Weight		6,5 kg	8 kg
Air Weight			
Dimensions (width x height x depth)	600x400x25mm	600x600x25mm	1200x400x25mm



EMC/EMV, LVD tested.

*Pro V1 (Plug and play), Pro V2 On/Off
*Prime Series is not have Rohs and Reach

TECHNICAL APPENDIX

Parameters	Value		
Prime Model	MS-PRM-6090	MS-PRM-60120	MS-PRM-60140
Pro Model	MS-PRO-6090	MS-PRO-60120	MS-PRO-70110
Air Model			
Heat Output	700 Watt	900 Watt	1100 Watt
Mains Connection	1/N/PE ~ 230 V / 50 Hz	1/N/PE ~ 230 V / 50 Hz	1/N/PE ~ 230 V / 50 Hz
Rated current	3,1 A	3,9 A	4,8 A
Connection type	CEE 7/7 (Schuko)	CEE 7/7 (Schuko)	CEE 7/7 (Schuko)
Cable length	1,9 M	1,9 M	1,9 M
Efficiency	98%	98%	98%
Surface temperature	95-105 °C	95-105 °C	95-105 °C
Protection class Core/Pro	IP44	IP44	IP44
Protection class Air			
Prime Weight	8,5 kg	11,5 kg	12 kg
Pro Weight	9,2 kg	12 kg	14 kg
Air Weight			
Dimensions (width x height x depth)	900x400x25mm	1200x600x25mm	1400x600x25mm



EMC/EMV, LVD tested.

*Pro V1 (Plug and play), Pro V2 On/Off
*Prime Series is not have Rohs and Reach

TECHNICAL APPENDIX

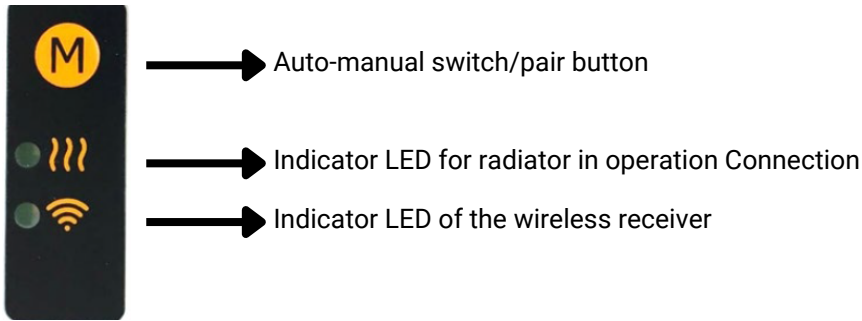
Parameters	Value		
Model	MS-AIR-6060	MS-AIR-60100	MS-AIR-60140
Heat Output	600 Watt	1000 Watt	1400 Watt
Mains Connection	1/N/PE ~ 230 V / 50 Hz	1/N/PE ~ 230 V / 50 Hz	1/N/PE ~ 230 V / 50 Hz
Rated current	2,48 A	4.2 A	5.9 A
Connection type	CEE 7/7 (Schuko)	CEE 7/7 (Schuko)	CEE 7/7 (Schuko)
Cable length	1,9 M	1,9 M	1,9 M
Efficiency	98%	98%	98%
Surface temperature	95-105 °C	95-105 °C	95-105 °C
Protection class	IP44	IP44	IP44
Weight	10,5 kg		
Dimensions (width x height x depth)	600x600x25mm	600x1000x25mm	600x1400x25mm
Available in Vertical	No	Yes	Yes



*Pro V1 (Plug and play), Pro V2 On/Off

EMC/EMV, LVD tested.

R SERIES (Radio Control Unit)



The appliance is designed for stand-alone operation without connection to an optional thermostat (in manual mode) or in automatic mode by “pairing” with an optional thermostat.

AUTOMATIC MODE:

If the heater is to be operated in automatic mode, it must first be paired with a thermostat.

To do this, you must switch to pairing mode by pressing

Press the “M” button on the device several times in succession. The connection indicator LED starts to flash. (If no connection is established within 10 minutes, the device exits pairing mode) In the meantime, the transmitter unit must also be set to pairing mode. When the devices recognize each other, pairing is complete and the connection indicator LED on the receiver unit starts to light up continuously.

The thermostat will now switch on and off according to the set temperature value. If the device is in heating mode and the heating LED is not lit, it is in the off position.

MANUAL MODE:

If the heater is to be operated in manual mode (independent of the thermostat), the “M” button on the appliance must be pressed for 3 seconds to switch to manual mode. In this case, the indicator LEDs look as follows:

Heating-LED On

Wireless thermostat-LED Off

NOTE:

1. several heaters can be connected to one thermostat.
2. after connection, even if the power supply is interrupted, the heater keeps the thermostat terminal to which it is connected in memory and continues where it left off. You do not have to reconnect every time.
3. if the heater does not receive a signal from the thermostat for 5 hours, it switches itself off for safety reasons.

The R Series heaters can be connected and operated with either T1 or T10, but only one of the two may be connected at any given time.

The thermostat (T10) and remote control (T1) are optional accessories. They are not included with the product and must be acquired separately.

T1-Remote Control



T10-External Thermostat



WARRANTY CONDITIONS

We grant you a 2-year warranty in addition to the statutory warranty rights. The period for calculating the warranty period begins on the invoice date. The geographical scope of the guarantee cover is Europe-wide.

The guarantee refers to the freedom from defects of the advertised product, including functionality, material or production defects.

Should a defect occur during the warranty period, we will provide you with one of the following services of our choice under this warranty:

- Free repair of the goods
- Free replacement of the goods with an item of equal value

In the event of a warranty claim, please contact us as the guarantor:

Warranty claims are excluded in the event of damage to the goods caused by:

- normal wear and tear
- improper handling
- non-observance of safety precautions
- Use of force (e.g. blows)
- Attempted repairs by the user



EU ECODESIGN REGULATION 2015/1188.

From 1.1.2018, the installation and commissioning of heating panels and infrared heaters is only permitted in conjunction with an external control unit / thermostat.

The control unit / thermostat must be equipped with electronic room temperature control and weekday control and also with at least one of the following functions:

- Adaptive control of the start of heating
- Room temperature control with open window detection
- Remote control option

This product is only suitable for well-insulated rooms or for occasional use.

WASTE DISPOSAL



The crossed-out garbage can symbol on a waste electrical or electronic appliance indicates that it must not be disposed of with household waste at the end of its service life. Collection points for waste electrical and electronic equipment are available in your area for free return. You can obtain the addresses from your city or local authority. The separate collection of waste electrical and electronic equipment is intended to enable the reuse, recycling or other forms of recovery of waste equipment and to avoid negative consequences for the environment and human health when disposing of hazardous substances that may be contained in the equipment.

This image shows a full page of blank, lined paper. It features approximately 20 evenly spaced horizontal blue lines across its entire width. The paper is otherwise completely empty, with no margins, text, or other markings.

MIRRORSTONE

INFRARED HEATING



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