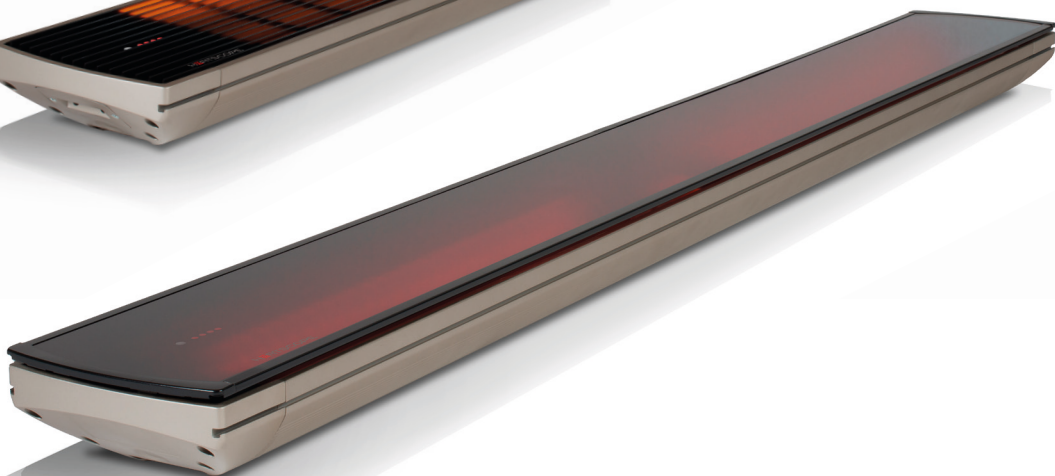
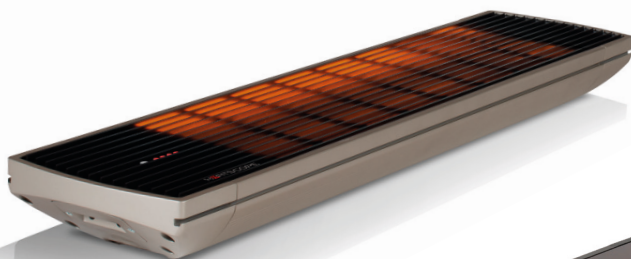


HEATSCOPE®

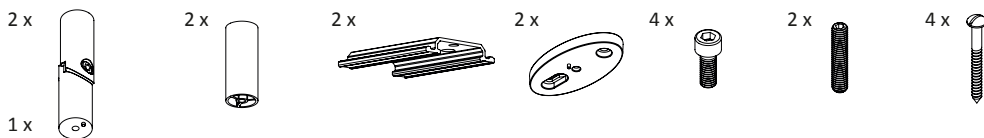
ORIGINAL INSTALLATION AND INSTRUCTION MANUAL

Electric ambient carbon radiant heater
for indoor and outdoor areas

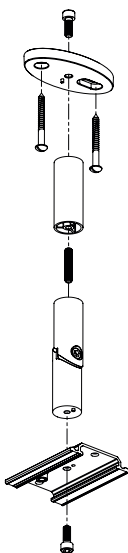
EN



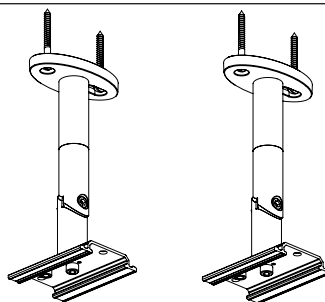
Ceiling Installation



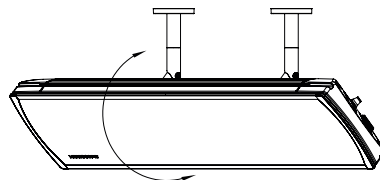
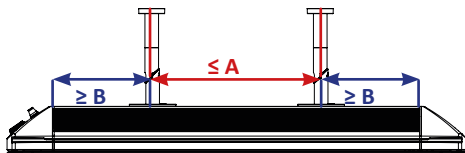
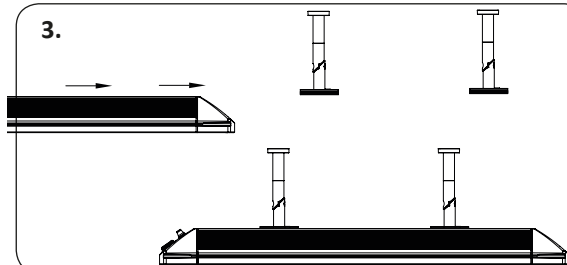
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2.



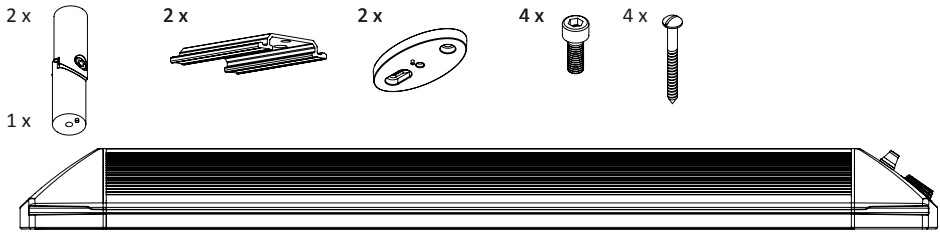
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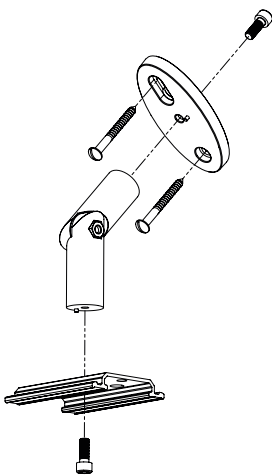
	A	B
MHS-SM1600/MHS-SP1600	≤ 240 mm	≥ 135 mm
MHS-SM2200/MHS-SP2200	≤ 300 mm	≥ 175 mm
MHS-SM2800/MHS-SP2800	≤ 370 mm	≥ 175 mm

	A	B
MHS-VT1600/MHS-VE1600	≤ 300 mm	≥ 175 mm
MHS-VT2200/MHS-VE2200	≤ 650 mm	≥ 175 mm
MHS-VT3200/MHS-VE3200	≤ 1150 mm	≥ 175 mm

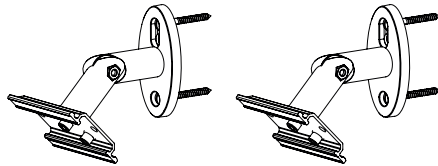
Wall mounting



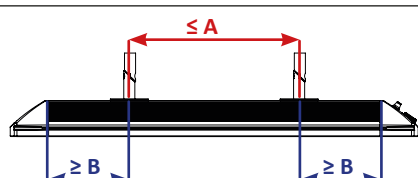
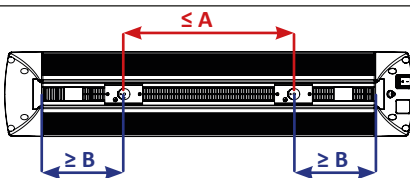
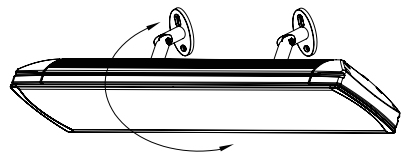
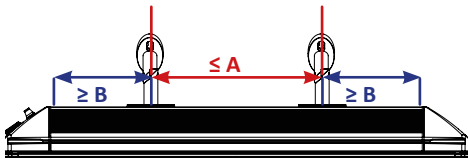
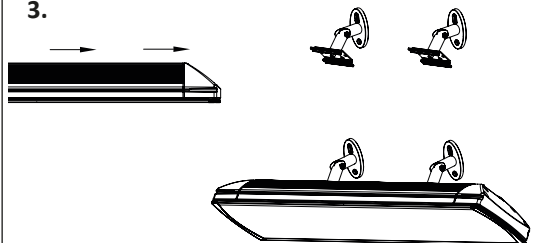
1. 2 x



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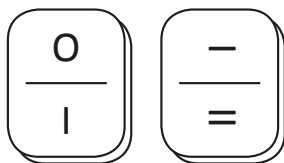
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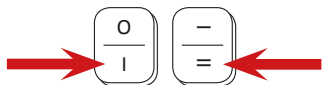
Manual control

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MHS-VE1600BK.100, MHS-VE2200BK.100, MHS-VE3200BK.100, MHS-VE1600WT.100, MHS-VE2200WT.100, MHS-VE3200WT.100

LED:



0 %



100 %



50 %

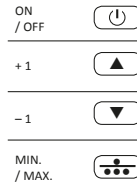
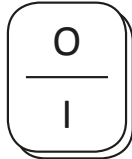


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IR remote control

MHS-SP1600BK.100, MHS-SP2200BK.100, MHS-SP2800BK.100, MHS-SP1600WT.100, MHS-SP2200WT.100, MHS-SP2800WT.100
MHS-VT1600BK.100, MHS-VT2200BK.100, MHS-VT3200BK.100, MHS-VT1600WT.100, MHS-VT2200WT.100, MHS-VT3200WT.100

LED:



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0104 647099 · E-Mail: mail@munich-home-systems.de · www.munich-home-systems.de



100 %



80 %



50 %



100 %

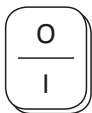


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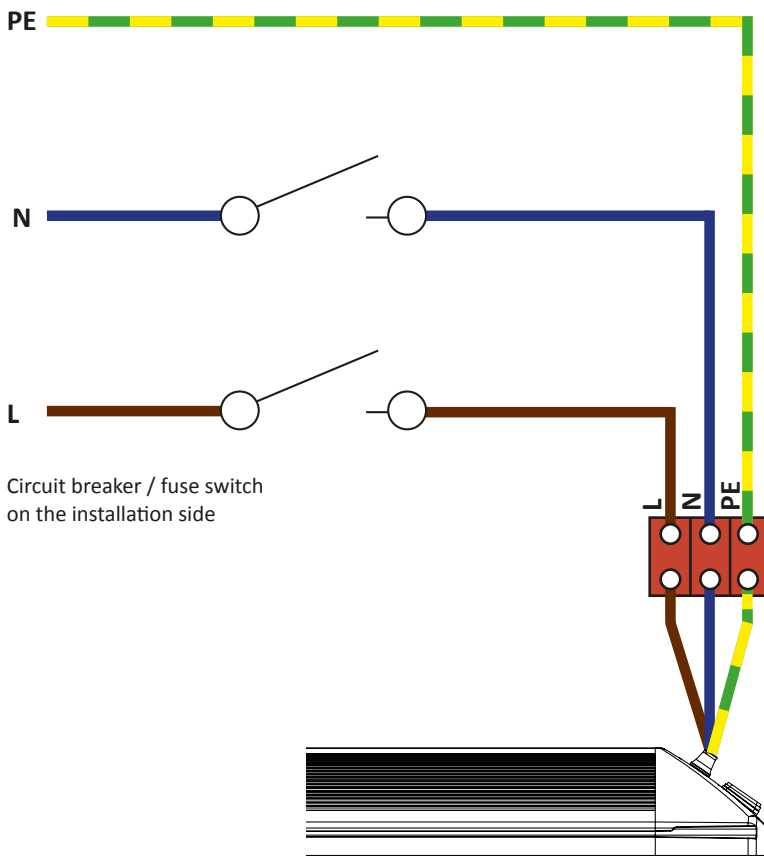
Electrical connection

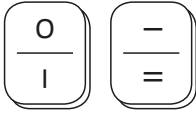


HEATSCOPE® SP // HEATSCOPE® VT

MHS-SP1600BK.100, MHS-SP2200BK.100, MHS-SP2800BK.100,
MHS-SP1600WT.100, MHS-SP2200WT.100, MHS-SP2800WT.100

MHS-VT1600BK.100, MHS-VT2200BK.100, MHS-VT3200BK.100,
MHS-VT1600WT.100, MHS-VT2200WT.100, MHS-VT3200WT.100

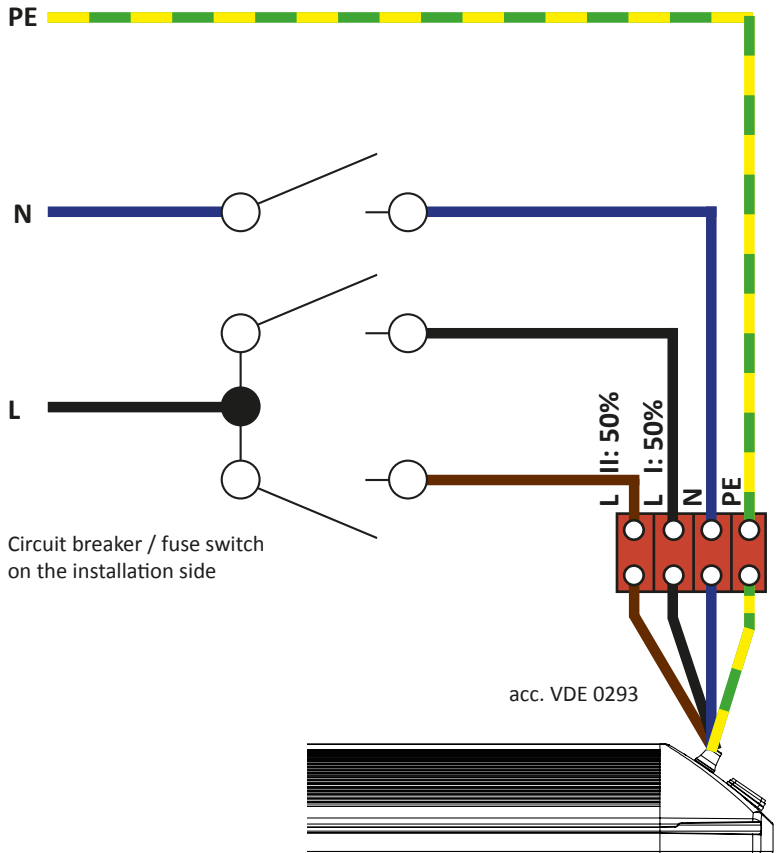
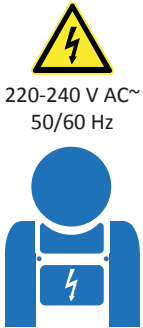




HEATSCOPE® SM // HEATSCOPE® VE

MHS-SM1600BK.100, MHS-SM2200BK.100, MHS-SM2800BK.100,
MHS-SM1600WT.100, MHS-SM2200WT.100, MHS-SM2800WT.100

MHS-VE1600BK.100, MHS-VE2200BK.100, MHS-VE3200BK.100,
MHS-VE1600WT.100, MHS-VE2200WT.100, MHS-VE3200WT.100



Technical data

	HEATSCOPE® SPOT	HEATSCOPE® VISION
Operating voltage	220-240 V AC ~ / 50/60 Hz	220-240V AC ~ / 50/60 Hz
Power	1600 W / 2200 W / 2800 W	1600 W / 2200 W / 3200 W
Current	7.83 A / 9.57 A / 12.17 A	6.96 A / 9.57 A / 13.91 A
Cable	1.1 m / 3 x 1.5 mm ² 1.1 m / 4 x 1.5 mm ²	1.1 m / 3 x 1.5 mm ² 1.1 m / 4 x 1.5 mm ²
Surface temperature	400 °C	280-320 °C
Housing temperature	≤ 150 °C	≤ 130 °C
Filament temperature	1200-1300 °C	1200-1300 °C
Colour temperature	1550-1650 K	1550-1650 K
Max. Power in	15 sec.	30 sec.
Visible light	≤ 600 Lux	≤ 300 Lux
Installation height	min. 1.8 m / max. 3 m	min. 1.8 m / max. 2.5 m
IP protection class	IP X4 (with optional available weather shield)	IP X4 (with optional available weather shield)
Manual control	ON/OFF + 100%, 50%	ON/OFF + 100%, 50%
Remote control	ON/OFF + 100%, 80%, 50%	ON/OFF + 100%, 80%, 50%

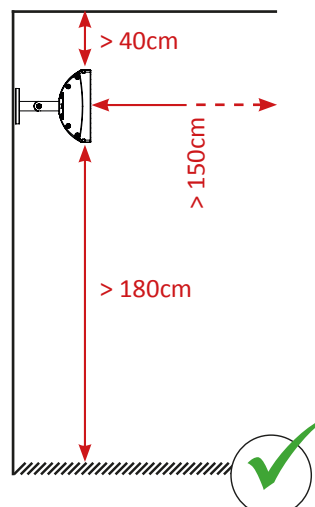
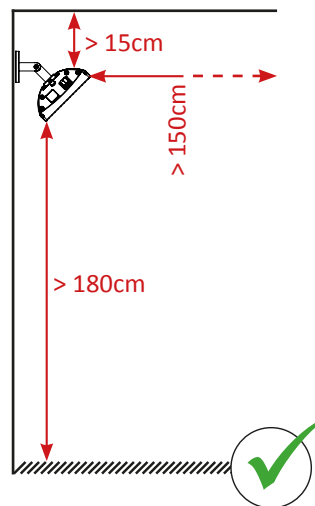
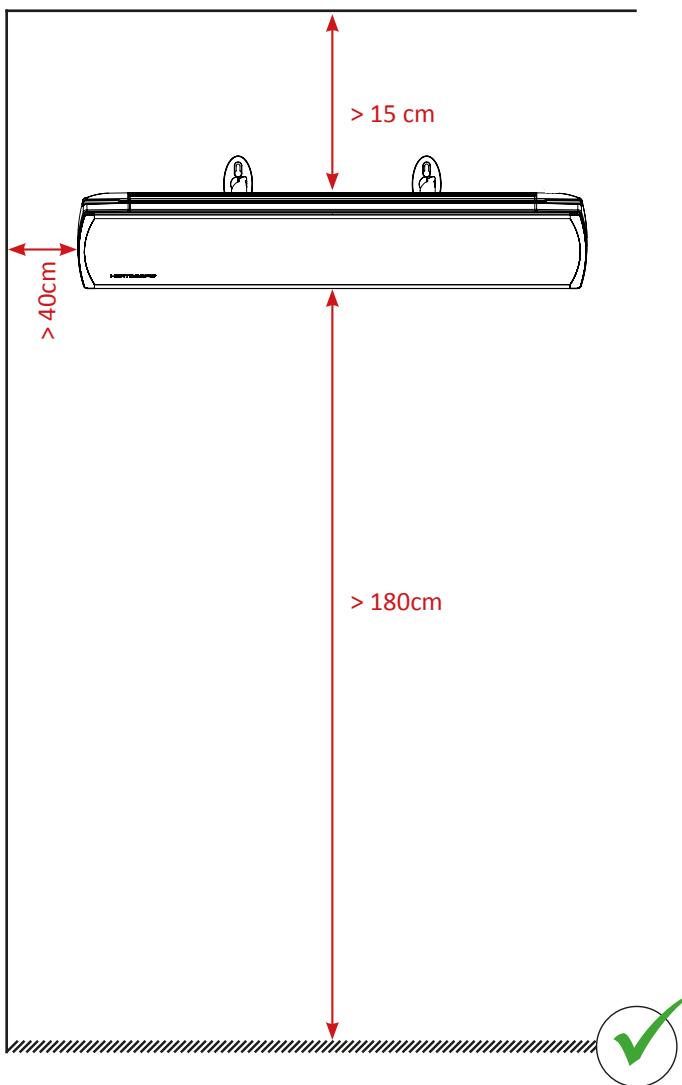


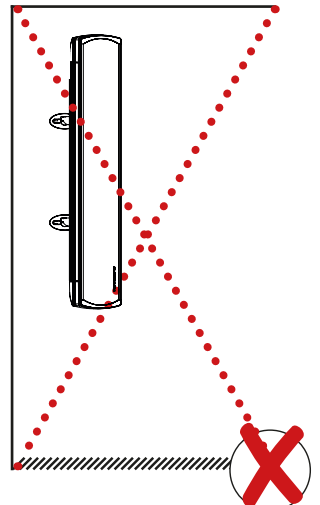
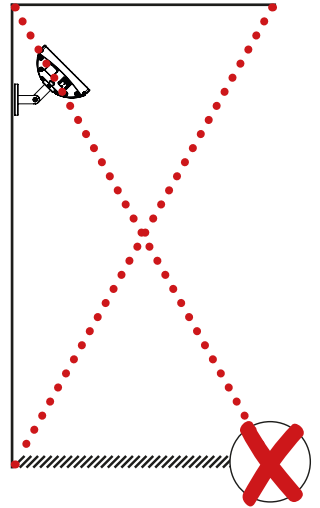
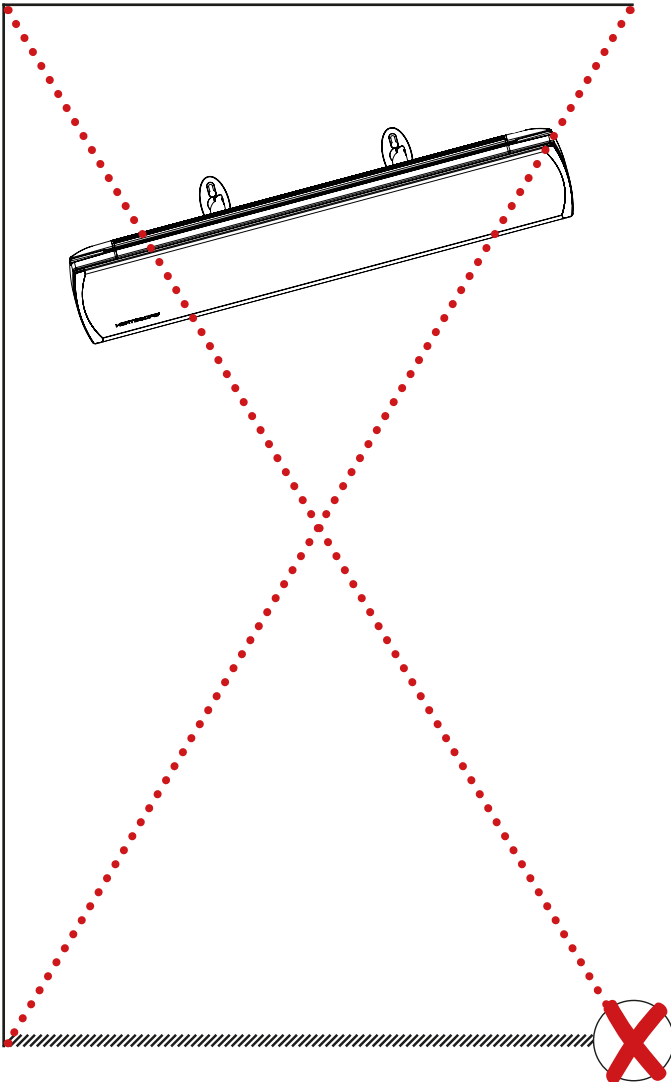
WEEE-Reg.-Nr.
DE 45650441



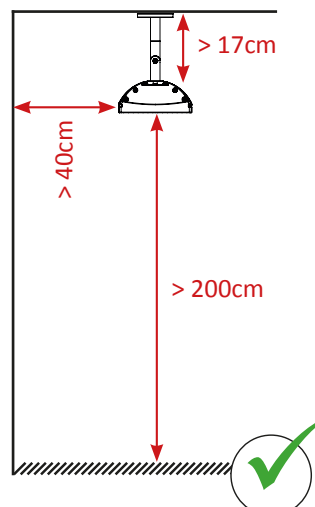
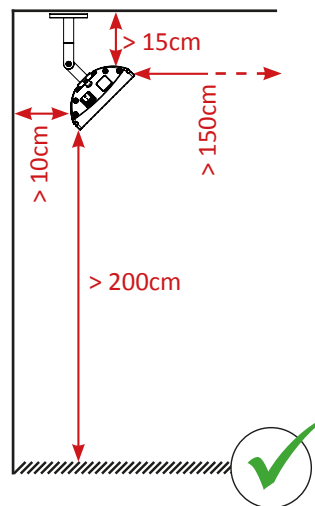
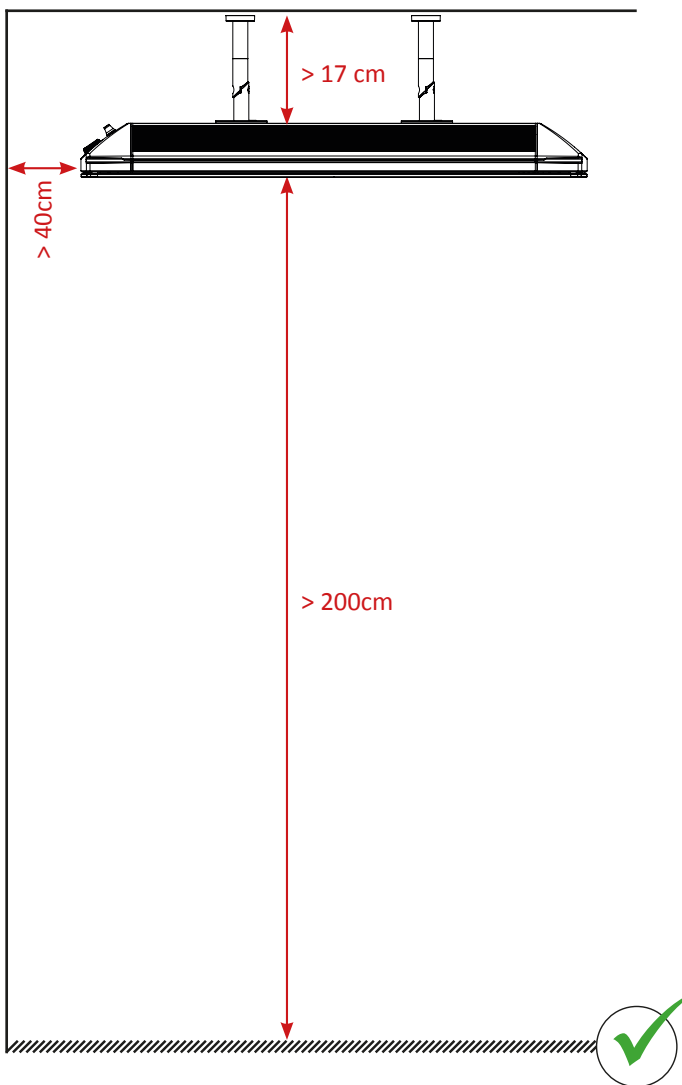
RoHS 
COMPLIANT 2002/95/EC

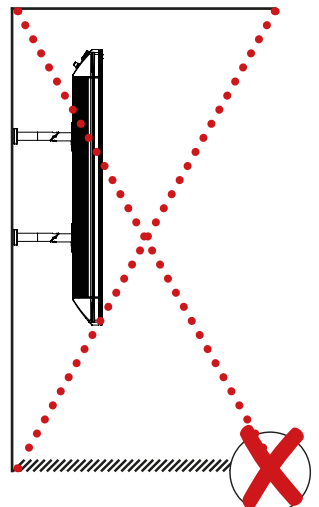
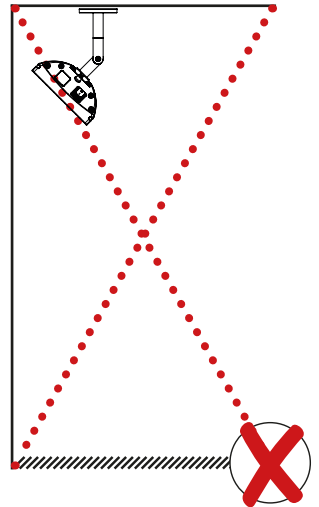
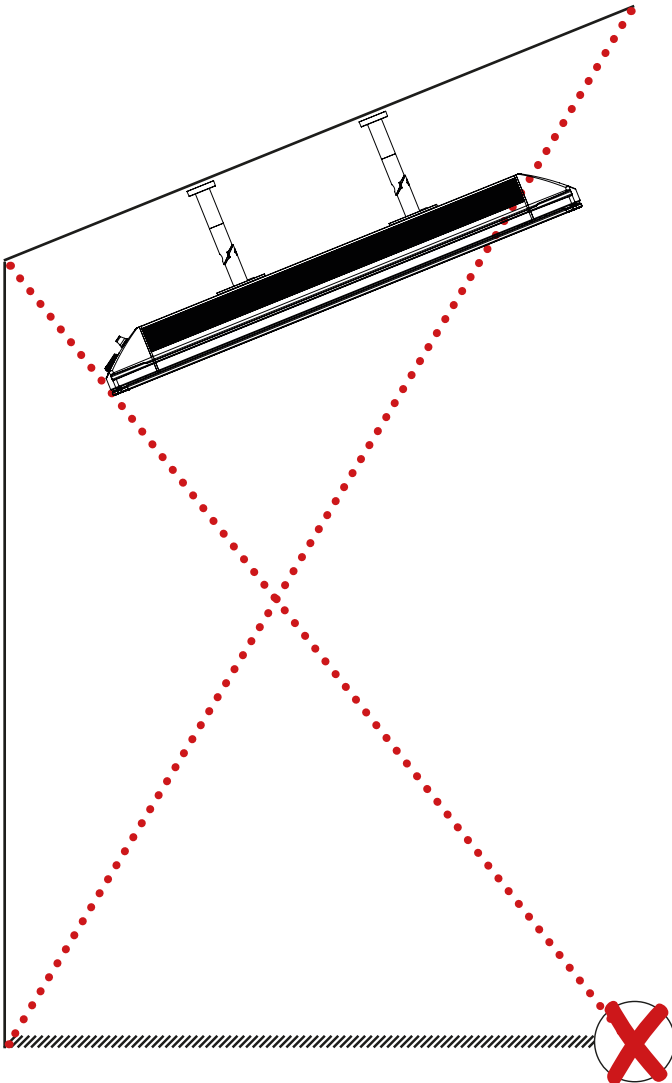
Minimum distances





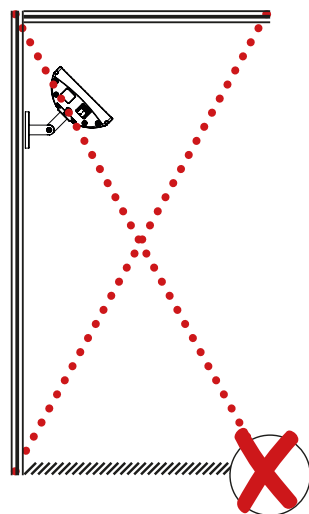
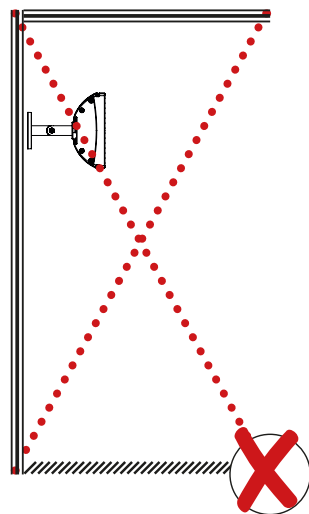
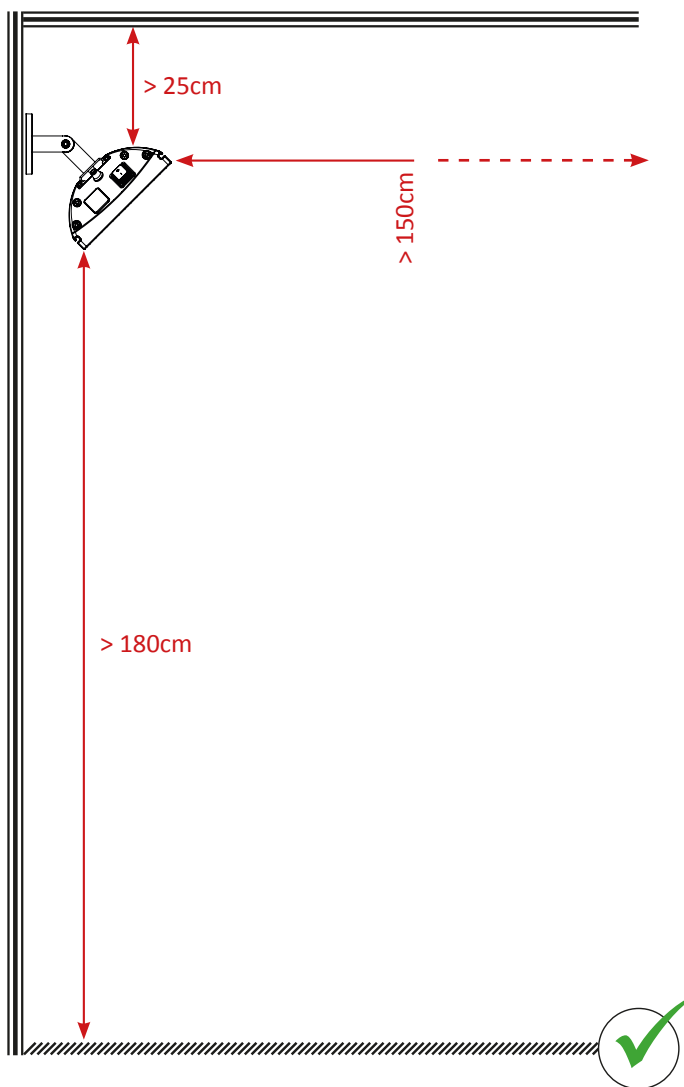
Minimum distances

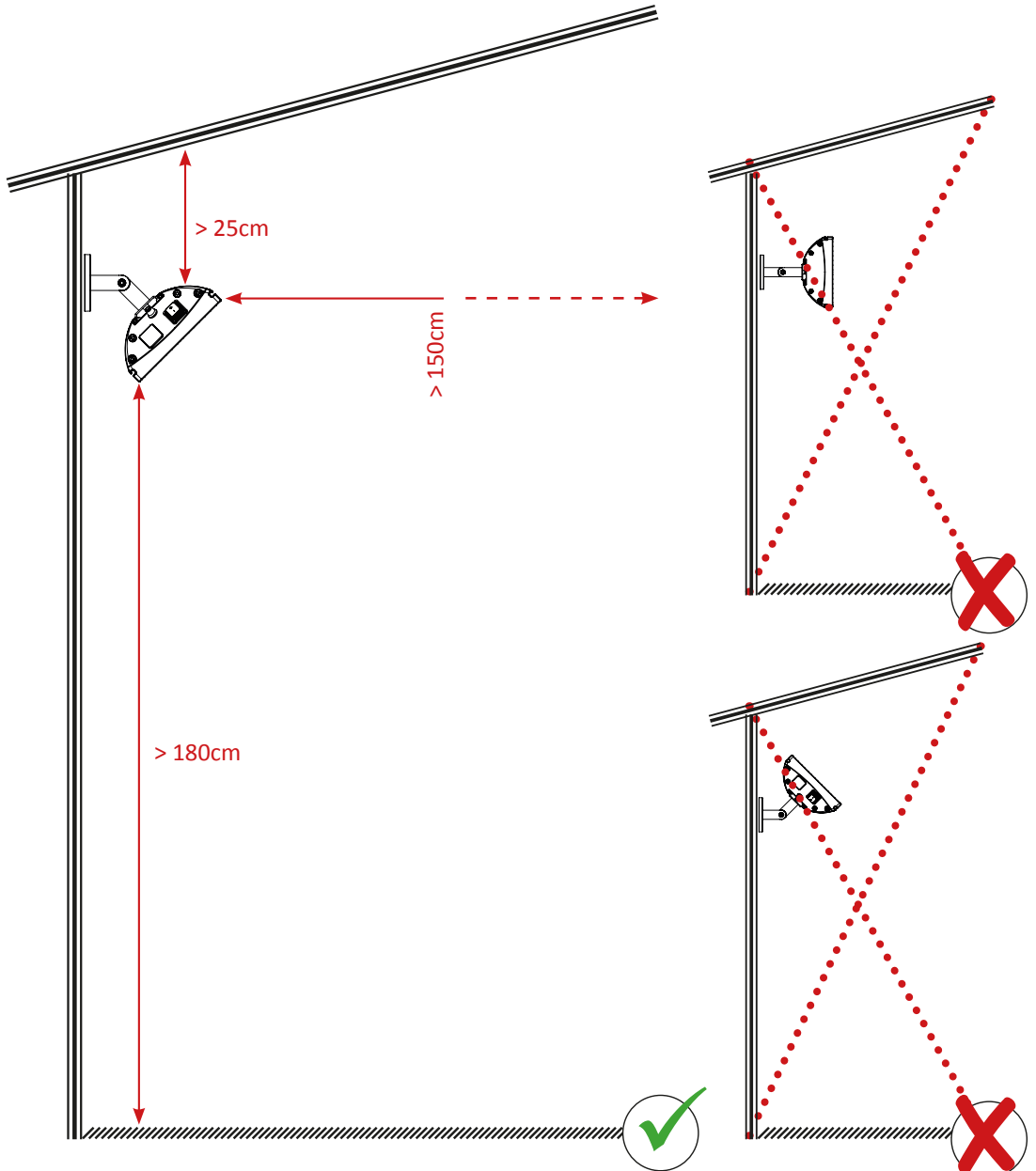




Minimum distances

Sunrooms and glasshouses





Dear Customer,

Thank you for choosing a HEATSCOPE® electric radiant heater. This top-quality infrared ambient heater is manufactured in Germany and complies with CE/EN/DIN standards and EU directives. Only tested, environmentally friendly materials and components are used.

Designed for private and commercial use, fast medium wave HEATSCOPE® carbon radiant heaters produce heat within seconds wherever it is needed. The infrared radiant heater allows you to transport heat over a distance of up to 3 metres, ideally in a specific direction.

Before installing the unit, please read this instruction manual carefully. Follow the information given to avoid endangering yourself, your family, your friends and your acquaintances. If you have any questions, contact the vendor or manufacturer.

Please keep this instruction manual in a safe place. Pass on the manual to any subsequent owner of the HEATSCOPE® unit and ensure that any supplements received are included along with it (cf. www.heatscope.com).

Prior to installation, ensure that the operating voltage matches the one specified on the name plate of the HEATSCOPE® unit!

This instruction manual is intended solely for the standard products available. The technical data, installation requirements and dimensions of special versions may differ.

Guarantee and warranty

The HEATSCOPE® is guaranteed for 24 months. The warranty period begins on the date on which the new unit was purchased. Expendable parts or defects that affect the usability of the unit only slightly are not covered by the guarantee. When making a guarantee claim, you must provide the original invoice showing the date of purchase and the unit model.

Processing of guarantee claims

Please contact your dealer/distributor before returning the defective unit along with valid proof of purchase and a detailed description of the fault. Please note: Don't send in any devices to the manufacturer without any former contact with your distributor or dealer. He will inform you about all following steps. **The manufacturer will only accept the unit if it is returned with adequate transport packaging which protects it during transport.**

The manufacturer will, at its own discretion, fulfil its warranty obligations by either repairing or exchanging the faulty unit or individual parts of the faulty unit. If a unit is replaced, the shape and colour of the new unit may vary slightly from the original one. The original date of purchase shall determine when the guarantee period begins. The guarantee period shall not be extended if the unit was replaced or repaired by the manufacturer.

Warranty exclusions

Damage or defects caused by improper handling or operation as well as defects caused by using non-original parts or the use of accessories not recommended by the manufacturer are not covered by the warranty.

The warranty does not cover damage caused by external influences such as fire, lightning or any transport damages. Liability for consequential damages to persons or property is excluded.

If the serial number of the unit has been changed, removed or defaced, the warranty shall be invalid.

All warranty claims shall be forfeited if the unit is opened, altered, modified, rebuilt or repaired by a person not authorized by the manufacturer.

The declaration of conformity (CE, WEEE, RoHS) is available upon request from the manufacturer.

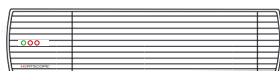
1. Dimensions & Specifications

Art.-No.	Colour	Power	Weight	Sizes (incl. brackets)
MHS-SM1600BK.100 / MHS-SP1600BK.100	Front: black Corpus: titan	1600 W	4.0 kg	670 x 184 x 82 mm
MHS-SM2200BK.100 / MHS-SP2200BK.100		2200 W	4.5 kg	810 x 184 x 82 mm
MHS-SM2800BK.100 / MHS-SP2800BK.100		2800 W	5.0 kg	890 x 184 x 82 mm
MHS-SM1600WT.100 / MHS-SP1600WT.100	Front: white Corpus: white	1600 W	4.0 kg	670 x 184 x 82 mm
MHS-SM2200WT.100 / MHS-SP2200WT.100		2200 W	4.5 kg	810 x 184 x 82 mm
MHS-SM2800WT.100 / MHS-SP2800WT.100		2800 W	5.0 kg	890 x 184 x 82 mm
MHS-VT1600BK.100 / MHS-VE1600BK.100	Front: black Corpus: titan	1600 W	6.0 kg	810 x 184 x 90 mm
MHS-VT2200BK.100 / MHS-VE2200BK.100		2200 W	8.0 kg	1160 x 184 x 90 mm
MHS-VT3200BK.100 / MHS-VE3200BK.100		3200 W	11.0 kg	1660 x 184 x 90 mm
MHS-VT1600WT.100 / MHS-VE1600WT.100	Front: white Corpus: white	1600 W	6.0 kg	810 x 184 x 90 mm
MHS-VT2200WT.100 / MHS-VE2200WT.100		2200 W	8.0 kg	1160 x 184 x 90 mm
MHS-VT3200WT.100 / MHS-VE3200WT.100		3200 W	11.0 kg	1660 x 184 x 90 mm

2. Use & models

HEATSCOPE® SPOT – manual control, 4-pole cable

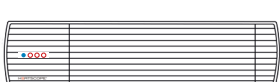
SPECIFICATIONS: ON/OFF + two manually switchable power levels (100% or 50%)



MHS-SM1600BK.100, MHS-SM2200BK.100, MHS-SM2800BK.100
MHS-SM1600WT.100, MHS-SM2200WT.100, MHS-SM2800WT.100

HEATSCOPE® SPOT – 3 power levels, remote controllable, 3-pole cable

SPECIFICATIONS: ON/OFF + three remote controllable power levels (100%, 80% or 50%), IR remote control



MHS-SP1600BK.100, MHS-SP2200BK.100, MHS-SP2800BK.100
MHS-SP1600WT.100, MHS-SP2200WT.100, MHS-SP2800WT.100

HEATSCOPE® VISION – manual control, 4-pole cable

SPECIFICATIONS: ON/OFF + two manually switchable power levels (100% or 50%, external)



MHS-VE1600BK.100, MHS-VE2200BK.100, MHS-VE3200BK.100
MHS-VE1600WT.100, MHS-VE2200WT.100, MHS-VE3200WT.100

HEATSCOPE® VISION – remote controllable, 3-pole cable

SPECIFICATIONS: ON/OFF + three remote controllable power levels (100%, 80% or 50%), IR remote control



MHS-VT1600BK.100, MHS-VT2200BK.100, MHS-VT3200BK.100
MHS-VT1600WT.100, MHS-VT2200WT.100, MHS-VT3200WT.100

3. Safety information

HEATSCOPE® infrared heater must be installed and executed only by an authorized expert / professional electrician.

The relevant local building and fire safety regulations must be observed.

WARNING: The heater must not be used in small rooms inhabited by people who cannot leave the room unaided, unless constant supervision is ensured.

1. Please check that your HEATSCOPE® radiant heater and accessories are complete and not damaged. If the housing or reflector is deformed/damaged or the heating element is broken, do not use the HEATSCOPE® unit. Please contact the vendor or the manufacturer.

The cable must not be crushed or damaged.

If the unit or accessories show signs of defects, cracking, breakage or other damage, discontinue use and have them repaired. In this case, disconnect the unit from the power supply, return it to the manufacturer or dispose of it. The unit should be labelled accordingly to prevent it being reconnected.

2. The HEATSCOPE® features an omnipolar „ON/OFF“ switch. The unit can be controlled manually either using an IR remote control (supplied, depending on the model) or a selector switch on the unit itself (depending on the model). The unit must be connected to a residual current circuit breaker and a fuse.

3. The unit may only be used with an approved isolating system. The heater comes as standard with a separate open-ended cable for connection purposes.

4. When installing the HEATSCOPE® radiant heater, ensure that the lower edge of the unit is at least 180 cm from the ground and the safety clearances from the wall and ceiling set out in this manual (see below) are maintained. Always maintain a distance from the heating surface of the HEATSCOPE® of at least 150 cm from textiles, cloth and other easy inflammable soft materials.

5. The radiant heater must not be installed directly below a power source/socket. The sides of the unit must be at least 10 cm from the nearest power source. Sockets/power sources must be freely accessible at all times and comply with the following specifications: 220–240 V AC ~ / 50/60 Hz, 16 A with 16 A fuse. No other loads may be connected to this power source.

6. The HEATSCOPE® has an IP X4 protection class rating (protected against objects >1mm and splashing water). Nevertheless, it is mandatory to install the unit on a surface where it is well protected from any weather influences like rain and dust from above; so the HEATSCOPE has to be installed under a roof, an overhang or in combination with an optional available weather shield.

7. In accordance with VDE 0100, Part 701, the radiant heater may only be installed in Area 3 locations in rooms where there is high humidity (bathroom, spa, pool etc.). The distance to the bathtub or shower must be at least 100 cm and the distance to the pool at least 200 cm. If the HEATSCOPE® is installed in such an environment with high humidity, the switches or other operating components must be positioned in such a way that they cannot be touched by persons who are in direct contact with water. Bathroom heaters must not be operated with a separate automatic thermostat or timer. When a radiant heater is installed in a bathroom, the CE standard requires that at least one heating element visibly „glows“ as soon as the unit is switched on.

8. As soon as the unit is connected to a power source and switched on using an „ON/OFF“ switch or other operating component, it takes a maximum of 15-30 seconds until it reached its operating temperature.

9. CAUTION: Risk of burns!

The front screen or protective fin front gets very hot when the unit is operating.

Do not cover either part of the front or the entire front of the radiant heater. Do not touch any part of the HEATSCOPE® during operation and up to 30 minutes after switching it off.

10. For your own safety, never dry textiles or other materials using the HEATSCOPE®. Covering the radiant heater may result in a fire! Always maintain a distance from the heating surface of the HEATSCOPE® of at least 150 cm from textiles, cloth and other easy inflammable soft materials.

11. Ensure that cables, furniture, flammable materials or other objects do not come into contact with the surface of the radiant heater and never cover the unit. Under no circumstances should the unit be covered with insulating or similar materials.

12. Disconnect the radiant heater from the power supply before cleaning it, adjusting the angle or removing it from the wall/ceiling. If buried cables are used, switch off the power using an omnipolar switch.

13. Be careful when operating the unit. This unit is not intended for use by persons (including children) with reduced physical, sensory or mental abilities or lack of experience and/or knowledge, unless they are supervised by a person responsible for their safety or have received instructions as to how to operate/use the unit.

14. The unit must never be used unattended. Children must be supervised at all times to ensure that they do not play with the unit, switch it on unintentionally or adjust it.

15. Use only the supplied accessories or original accessories approved by the manufacturer. The power cable or other components of the HEATSCOPE® radiant heater may only be replaced by a professional servicing company enlisted by the manufacturer.

16. Always remember to switch off the unit after use.

4. Unpacking the unit / packaging

Unpack the unit and the accessories carefully. When opening the packaging, do not use sharp objects that could damage the unit.

This product comes supplied in environmentally friendly packaging. All HEATSCOPE® packaging that comes into circulation either directly or via the trade is certified in accordance with §6 of the German Packaging Directive. As a result, all HEATSCOPE® packaging can be disposed of in an environmentally friendly manner in collection containers for packaging materials. The relevant legal regulations must be observed here. Further information is available from the manufacturer.

Care information! Important! Clean the unit with a damp cloth before using it for the first time. Do not use cleaning products containing alkaline substances such as sodium hydroxide or soap, surfactants or solvents/alcohol.

5. Installation instructions

The INDIVIDUAL options for installing the HEATSCOPE® radiant heater are shown in the diagrams on the first pages of this manual.

Ensure that the radiant heater is fixed securely to the installation surface. In terms of tensile and shear strength, the fixings must be able to withstand at least 3 times the weight of the radiant heater (including accessories) that is to be installed. When installing the unit, use the correct screws and plugs (supplied) for the surface.

Please bear in mind that you always need two fixing brackets to fix your unit safely. Please refer to the minimum installation dimensions for the unit under „minimum distances“.

It is mandatory to install the unit on a surface where it is well protected from any weather influences like rain and dust from above; so the HEATSCOPE has to be installed under a roof, an overhang or in combination with an optional available weather shield.

6. Operation, installation instructions and minimum distances

Once you have installed the unit, you can use it for the first time.

The HEATSCOPE® features an omnipolar „ON/OFF“ switch. You can control the radiant heater manually using a selector switch on the unit itself or using an IR remote control which comes supplied (depending on the model). The unit must be connected to a residual current circuit breaker and a fuse.

Install the unit only in indoor or outdoor areas that are well protected from any weather influences from above like rain and dust. The heater is protected from lateral spray water, but it has to be covered with a roof or a similar canopy like the optional available weather shield upwards.

The radiant heater must be installed at a height of at least 180 cm and at a distance of at least 40 cm from each adjacent wall. The distance between the radiant heater and the rear surface must be at least 10 cm (wall) and 17 cm (ceiling – this distance can be achieved using the supplied fixing accessories). Other protective measures may need to be taken in accordance with local fire safety regulations, e.g. for installation on combustible surfaces.

The radiant heater must not be installed directly below a power socket. The sides of the HEATSCOPE® must be at least 10 cm from any power sockets.

9. Care, maintenance and service

Before cleaning and maintaining your HEATSCOPE®, disconnect it from the power supply or, if buried cables are used, switch it off via the omnipolar switch. Ensure that the unit has cooled down – wait at least 30 minutes after the last use before you start cleaning it.

All surfaces should be cleaned using a damp cloth only. Never use cleaning products containing alkaline substances such as sodium hydroxide or soap, surfactants or solvents such as alcohol.

Use only a very soft cloth or a brush for the reflector and the heating elements.

The power cable or buried cable with omnipolar switch may only be replaced by a professional specialist electrical company enlisted or approved by the manufacturer. Heating elements, other components or parts of the housing may only be replaced by a service organisation enlisted by the manufacturer.

If you yourself or someone enlisted by you carries out repairs, they will not be covered by the guarantee. Improper repairs and incorrect installation or operation shall invalidate the guarantee immediately.

8. Removal from service / disposal

When the unit reaches the end of its life, it must be removed from service by a specialist in accordance with the relevant regulations and steps must be taken to ensure that it cannot be put into use again.

The unit must be disposed of professionally and in an environmentally friendly manner. The relevant legal regulations must be observed.

CONTACT PARTNERS IN YOUR AREA

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