
INSTALLATION AND OPERATING MANUAL

HEATSCOPE®

VISION

1600 W / 2200 W / 3200 W



Radiating heat with a ceramic glass façade.

Manual control or infrared remote control, depending on model

GB

Radiant Heater

Read before installation and keep with the appliance.

BEFORE YOU START

Your HEATSCOPE VISION

This manual concerns HEATSCOPE® VISION heaters with a glass-ceramic front, black (AB) or white (WT) finish. Check the reference on the rating plate to identify your device's control.

Model and power	Control
MHS-VT1600AB / WT - 1600 W	Infrared remote control
MHS-VT2200AB / WT - 2200 W	Infrared remote control
MHS-VT3200AB / WT - 3200 W	Infrared remote control
MHS-VE2200AB / WT - 2200 W	Manual / external
MHS-VE3200AB / WT - 3200 W	Manual / external

The references in the manual bear the suffix .100. AB and WT refer to the two finishes of the same model.

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01 / SAFETY

Using the heater safely

Respect safety distances, installation instructions and local construction and fire prevention requirements. Keep the manual and transmit it with the device in case of transfer.

During use

The front and housing become hot during operation. Do not touch the heater during use or for 30 minutes after switching it off. Do not cover it, even partially. The heater has no built-in room thermostat. Continuous supervision is required in a small room occupied by people who cannot leave unaided.

Children and persons in need of supervision

Keep children under the age of 3 away, except under constant supervision. Children aged 3 to 8 can only turn on and off a device properly installed, under supervision or after receiving the necessary instructions and understanding the risks. Children between 3 and 8 years of age must not connect, adjust or clean the appliance or perform maintenance. Children 8 years of age and over, as well as persons with reduced physical, sensory or mental abilities or lack of experience, may use the device under supervision or after receiving instructions for use and safety and understanding the risks. Children should not play with the heater. Cleaning and maintenance should not be carried out by unattended children.

Keep the heater under supervision during operation. After use,
switch it off.

01 / SAFETY

Prepare the apparatus

Checks upon receipt

Check that the heater and its accessories are complete. The housing, reflector, glass-ceramic front, heating elements and cable must be in good condition. Check the strips holding the front and press them gently until they click into place. The power cord must not be crushed, trapped or damaged. If any part is broken, deformed, cracked or the cable is damaged, leave the unit disconnected and contact Radiant Heater. Label it as defective to prevent it from being switched on again.

Location and clearances

The VISION is rated IP44. Outdoors, place it under a roof or canopy, or use a suitable weather protection shield to protect the top from rain and dust. Keep textiles and flammable materials at least 150 cm from the heating surface. Do not use the heater to dry textiles or other materials. Keep furniture, curtains, cables and other objects away from the heater. Do not surround it with insulating material, and maintain ventilation around the housing. Do not notch beams or structural components to recess the heater. Follow all dimensions in the diagram for your mounting configuration.

Temperature rise

The VISION data sheet specifies full power in approximately 30 to 60 seconds. The glass-ceramic front can reach 300 °C and the housing 130 °C.

01 / SAFETY

Planning the power supply

Mains supply and protective devices

Before connecting, check that the network voltage corresponds to the rating plate: 220-240 V AC, 50/60 Hz. Provide a disconnection device on all poles, residual-current protection and overcurrent protection. The manual provides a 16 A power supply protected at 16 A, accessible, without any other equipment connected to this source. The circuit and protection characteristics shall correspond to the model, the length of the cables and the installation conditions. Do not place the heater directly under a socket. Keep at least 20 cm between the sides of the heater and an electrical outlet. Cables must never touch the housing or the heating surface.

Wiring for the selected control system

VISION VE2200 / VE3200 - Manual

4 conductors: L I, L II, N and PE

VISION VT1600 / VT2200 / VT3200 - infrared

3 conductors: L, N and PE

The supplied cable is 1.1 m long, with 1.5 mm² conductors. Connect it in a suitable IP65 junction box, not supplied. The wiring diagrams are on pages 09 to 12.

Before any intervention

Fully disconnect the power supply before cleaning, adjusting the angle, dismantling or carrying out any work. Wait until the heating elements stop glowing and the heater has cooled, at least 30 minutes after its last use.

01 / SAFETY

Choose a suitable location

Inside and outside covered

The VISION is attached to the wall or ceiling. Outside, protect the top from the weather, even if the device is resistant to splashing. Keep sufficient air circulation and the clearances indicated in this manual. For a wall installation, respect a height of at least 180 cm. For mounting on the ceiling, hold a height of not less than 220 cm, in accordance with the additional requirement of the manufacturer's manual. The recommended maximum height is 2.5 m.

Water, salt and chlorine

Avoid rooms with permanently high humidity, such as bathrooms, spas or swimming pools. The minimum distances stated in the manual are 100 cm from a bath or shower and 200 cm from a pool. Controls must remain out of reach of anyone in contact with water. The manufacturer's document states that in a bathroom, at least one heating element must glow visibly as soon as the heater is switched on. Installation in this type of room must meet its specific electrical requirements. Do not install or use the heater in an atmosphere containing chlorine or salt, particularly close to a chlorinated swimming pool or the coast.

Under a glass cover

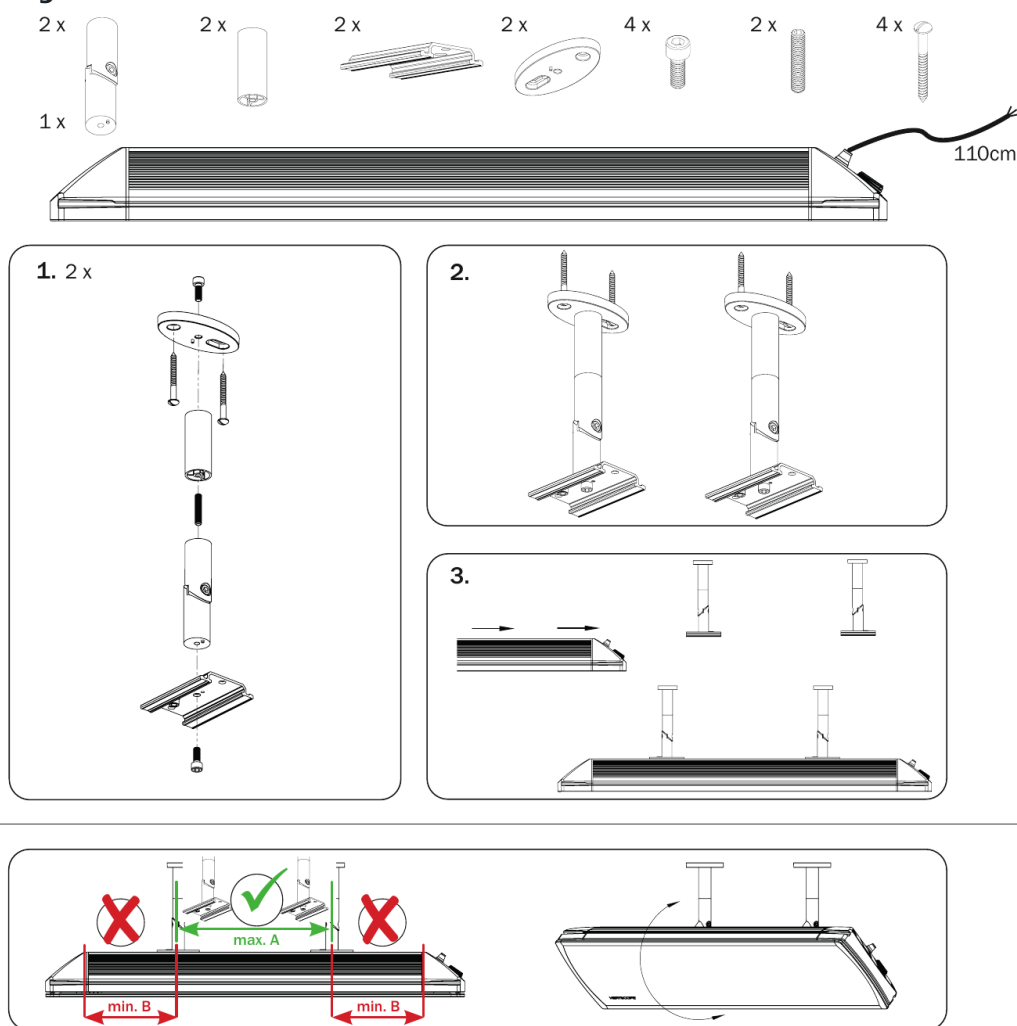
Apply the specific clearances of the diagram on page 19. Local requirements may require additional measures for supports of flammable materials or special configurations.

02 / MOUNTING

Ceiling mounting

Use both mounting flanges and accessories provided or approved. The support shall withstand tensile and shear forces corresponding to three times the weight of the

heater, including accessories.



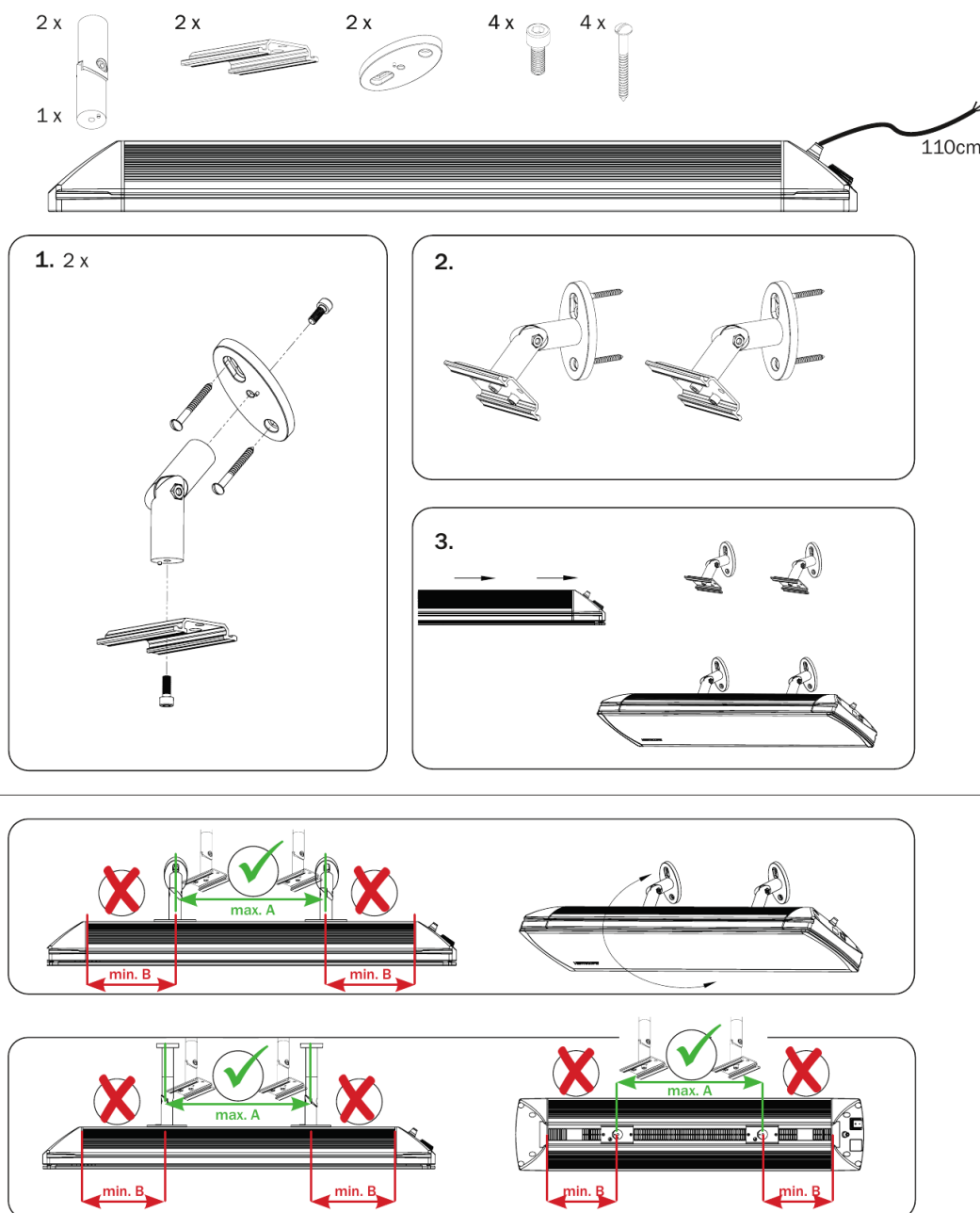
VISION	A - maximum	B - minimum
1600 W	300 mm	175 mm
2200 W	650 mm	175 mm
3200 W	1150 mm	175 mm

Markers A and B correspond to the dimensions of the drawing. Keep both fixing points and the illustrated orientation.

02 / MOUNTING

Wall mounting

Assemble the two flanges in the order indicated. Then adjust the orientation and check the clamping of the assembly. The limits A and B are those in the table on page 07.

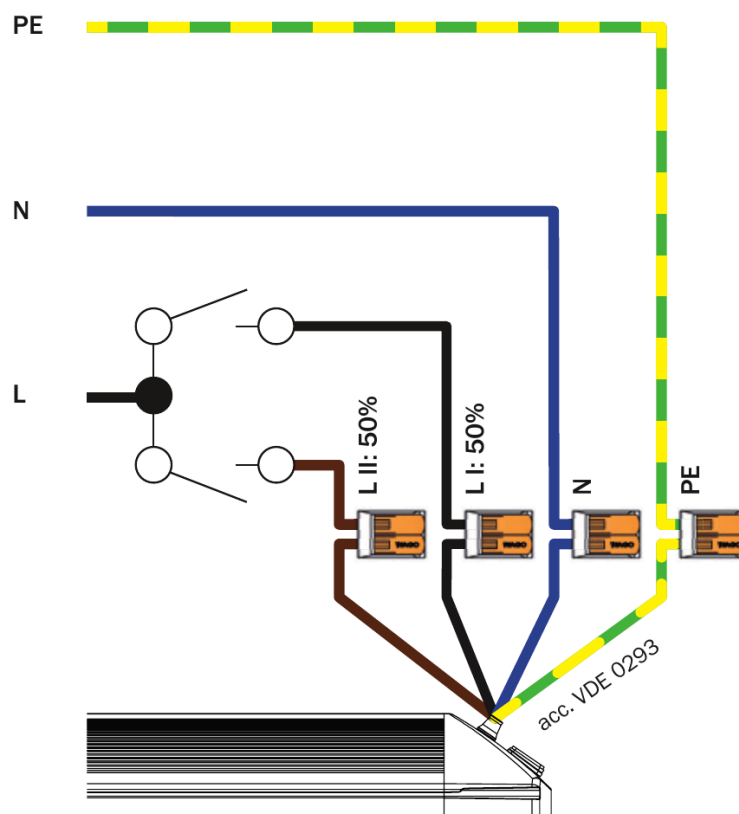


Green ticks refer to positions represented as authorized; red crosses refer to positions to be avoided. Also respect the distances from pages 15 to 19.

03 / ELECTRICAL CONNECTION

Manual control - VE series

Two phase power supplies control the heating elements, each corresponding to 50% of the power.



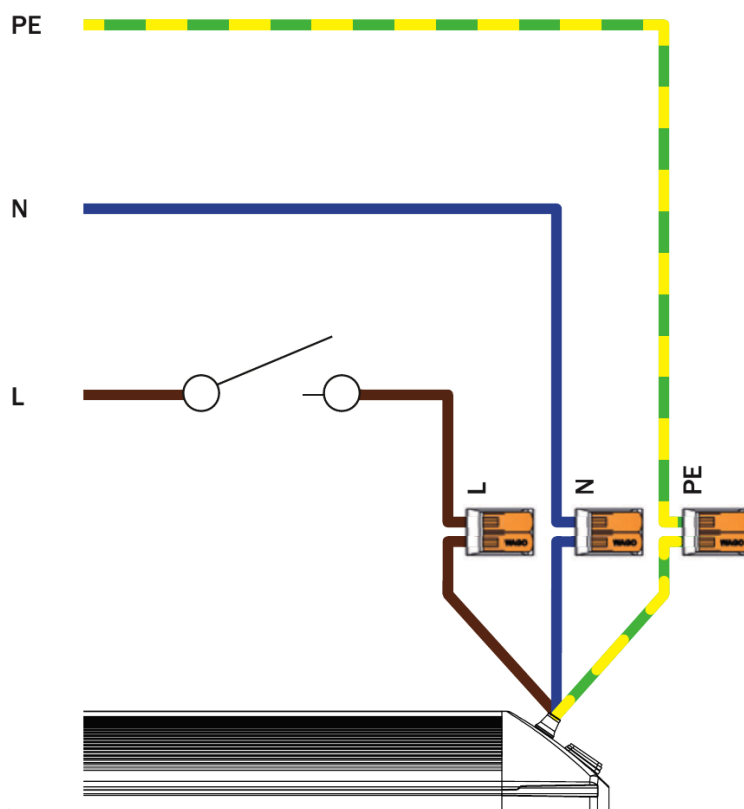
Power supply	220-240 V AC, 50/60 Hz
Cable provided	4 × 1.5 mm ² : L I, L II, N and PE
N	Neutral
PE	Protective conductor (earth)

Provide separation and protection devices on the installation side. Make connections in a suitable IP65 housing. The colours and markers of the HEATSCOPE diagram are preserved.

03 / ELECTRICAL CONNECTION

Infrared control - VT series

The control for both levels of power is integrated into the heater; the power supply consists of a phase, a neutral and the earth.



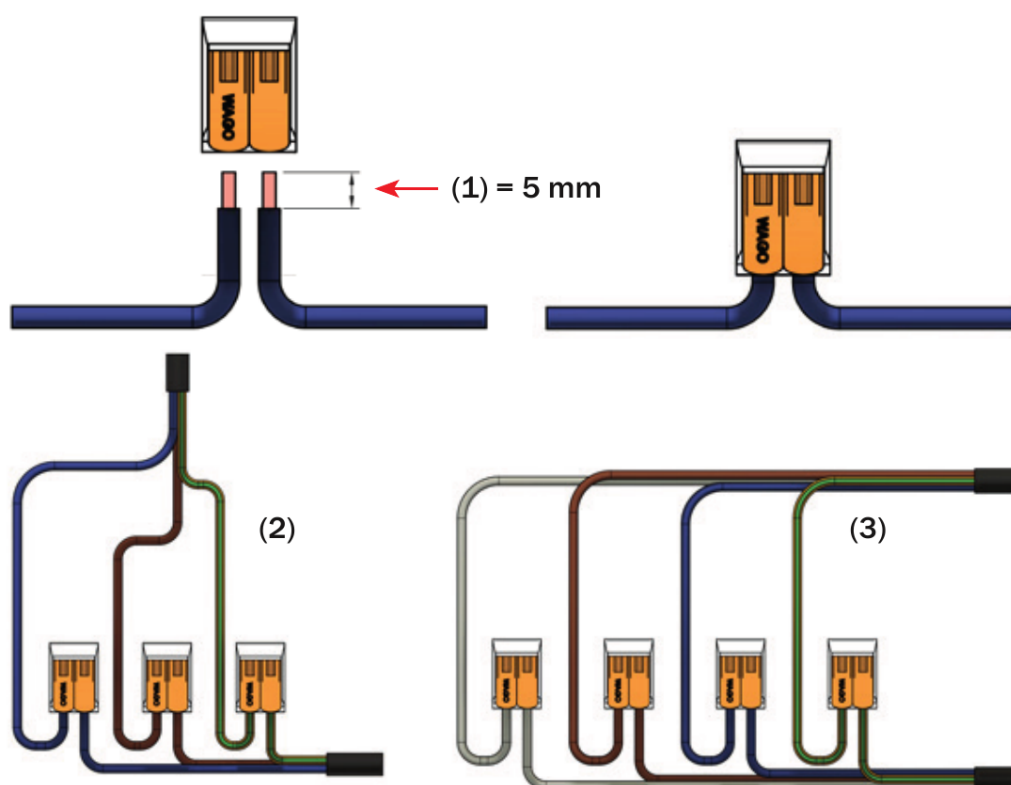
Power supply	220-240 V AC, 50/60 Hz
Cable provided	3 × 1.5 mm ² : L, N and PE
N	Neutral
PE	Protective conductor (earth)

Provide separation and protection devices on the installation side. Make connections in a suitable IP65 housing. The colours and markers of the HEATSCOPE diagram are preserved.

03 / ELECTRICAL CONNECTION

Make reliable connections

The drawings below illustrate the terminals and assemblies presented in the HEATSCOPE manual. Use the terminals suitable for electrical wires and follow their preparation and clamping instructions.



1 Example preparation using a ferrule; the manufacturer's drawing specifies 5 mm.

2 Connection of the 3-wire version with infrared remote control.

3 Connection of the manual version to 4 electric wires.

Check each connection

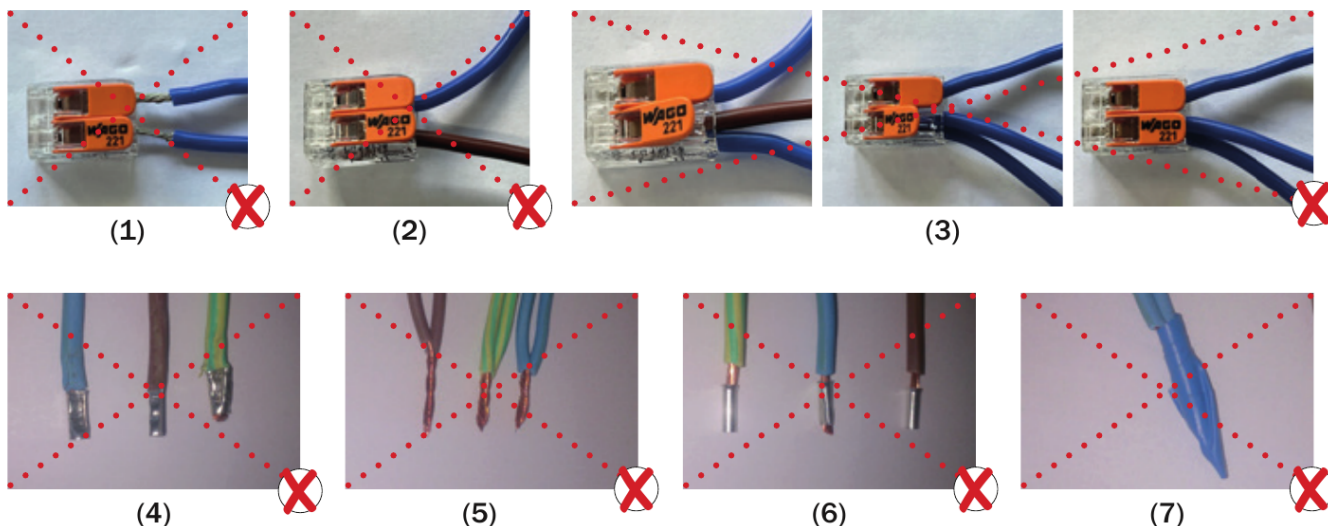
Each conductor must be properly inserted and secured. Insulation must remain outside the contact area. Check that the conductors are held securely, that the markings are correct and that the terminals are closed before switching on the power.

The manual illustrates a WAGO 221-412, 0.14-4 mm² terminal. The instructions of the terminal actually used determine the preparation of the electrical wire.

03 / ELECTRICAL CONNECTION

Points to be checked on wiring

Examples marked with a cross show the connections to be corrected before any energizing.



1	Damaged insulation or insufficient spacing.
2	Different conductors trapped together
3	Too many conductors or an incorrectly closed terminal
4	Terminal clamped onto the insulating sheath
5	Strands twisted by hand without a suitable connector
6	Conductor insufficiently secured in the connection
7	Strands twisted together and covered only with insulating tape

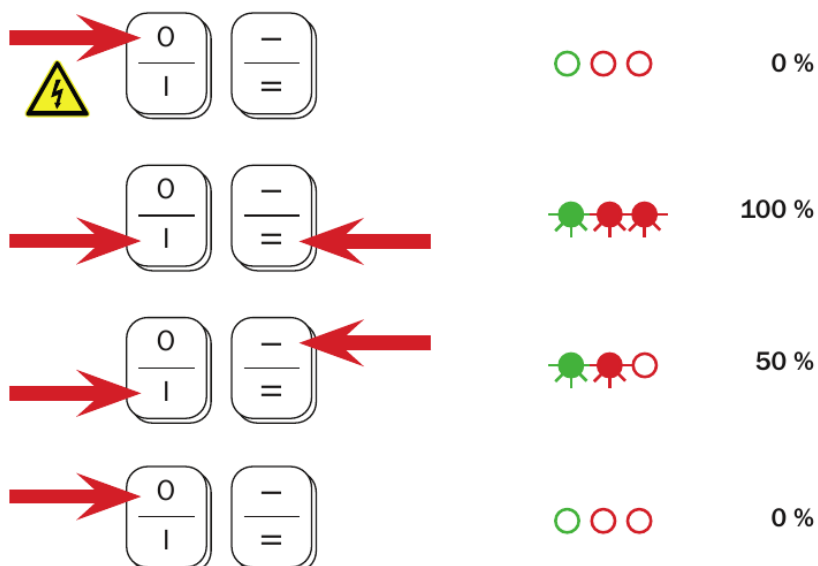
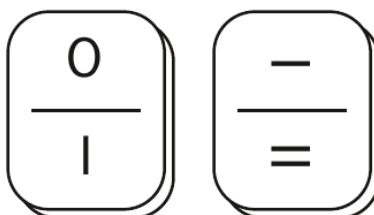
A correct connection maintains insulation, holds the conductor securely and minimises contact resistance.

04 / OPERATION

Manual control - VE series

The main switch turns the heater on. The selector allows you to choose the **half power (50%) or full power (100%)**.

LED:



Level	VE2200	VE3200
Off	0 W	0 W
50 %	1100 W	1600 W
100 %	2200 W	3200 W

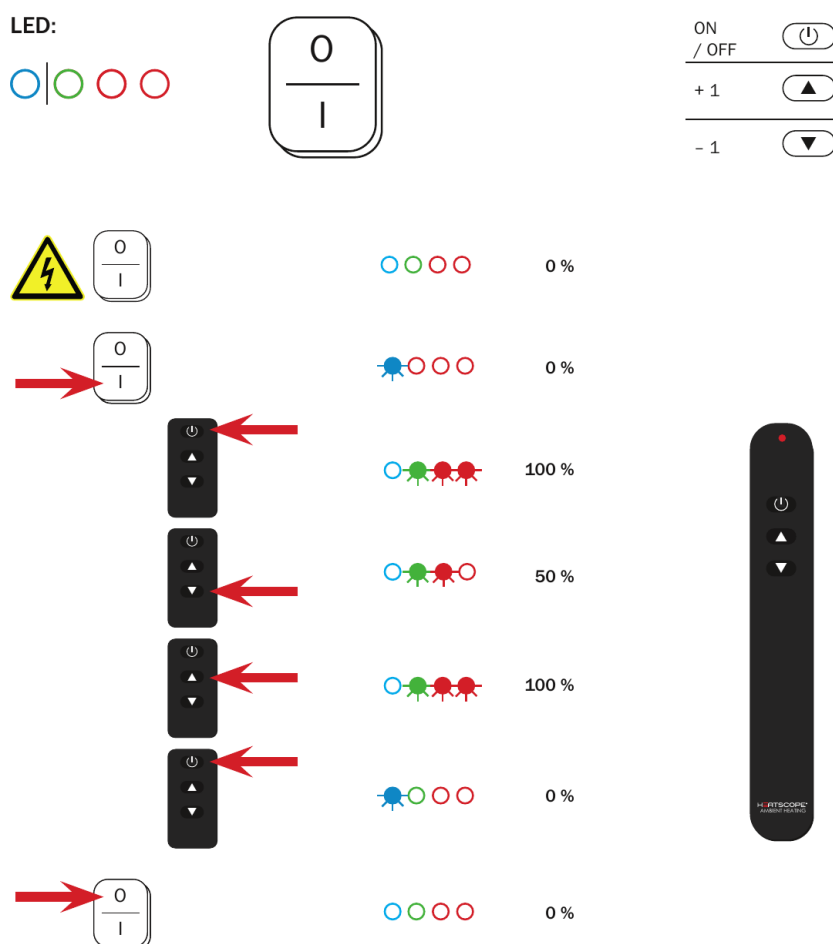
External control

The VE2200 and VE3200 can be used with an external control system compatible with their four-wire connection. Switch the heater off after use.

04 / OPERATION

Infrared remote control - VT Series

First put the heater main switch on I. Direct the remote control to the device; the keys allow ignition and shutdown, as well as the selection of 50% or 100%.

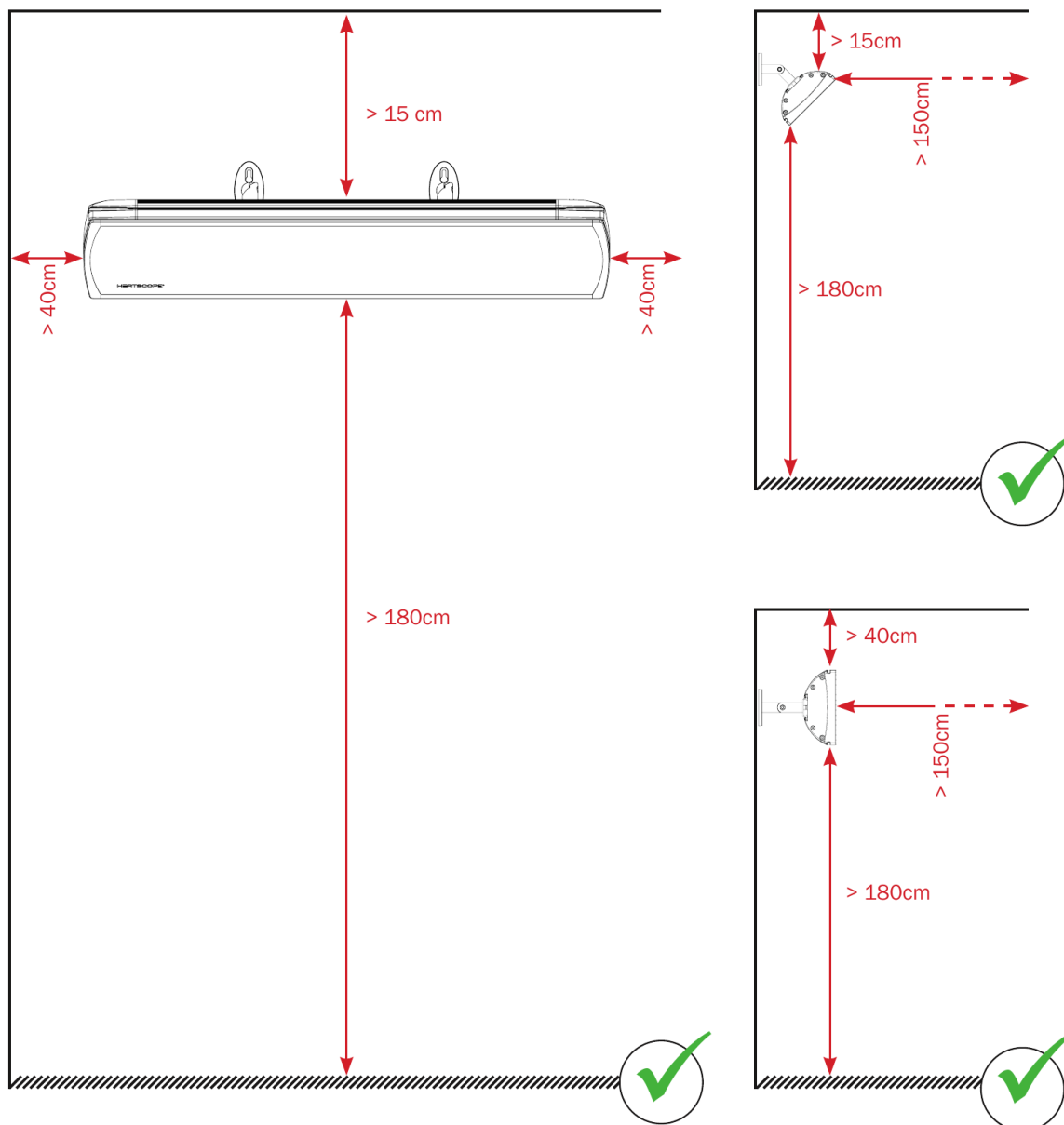


ON/OFF	Switching on and off with the remote control
+1 / -1	Change in power level
50 %	800 W / 1100 W / 1600 W, according to model
100 %	1600 W / 2200 W / 3200 W, according to model

The infrared control refers to references VT1600, VT2200 and VT3200. Turn off the main switch after use.

05 / SAFETY CLEARANCES

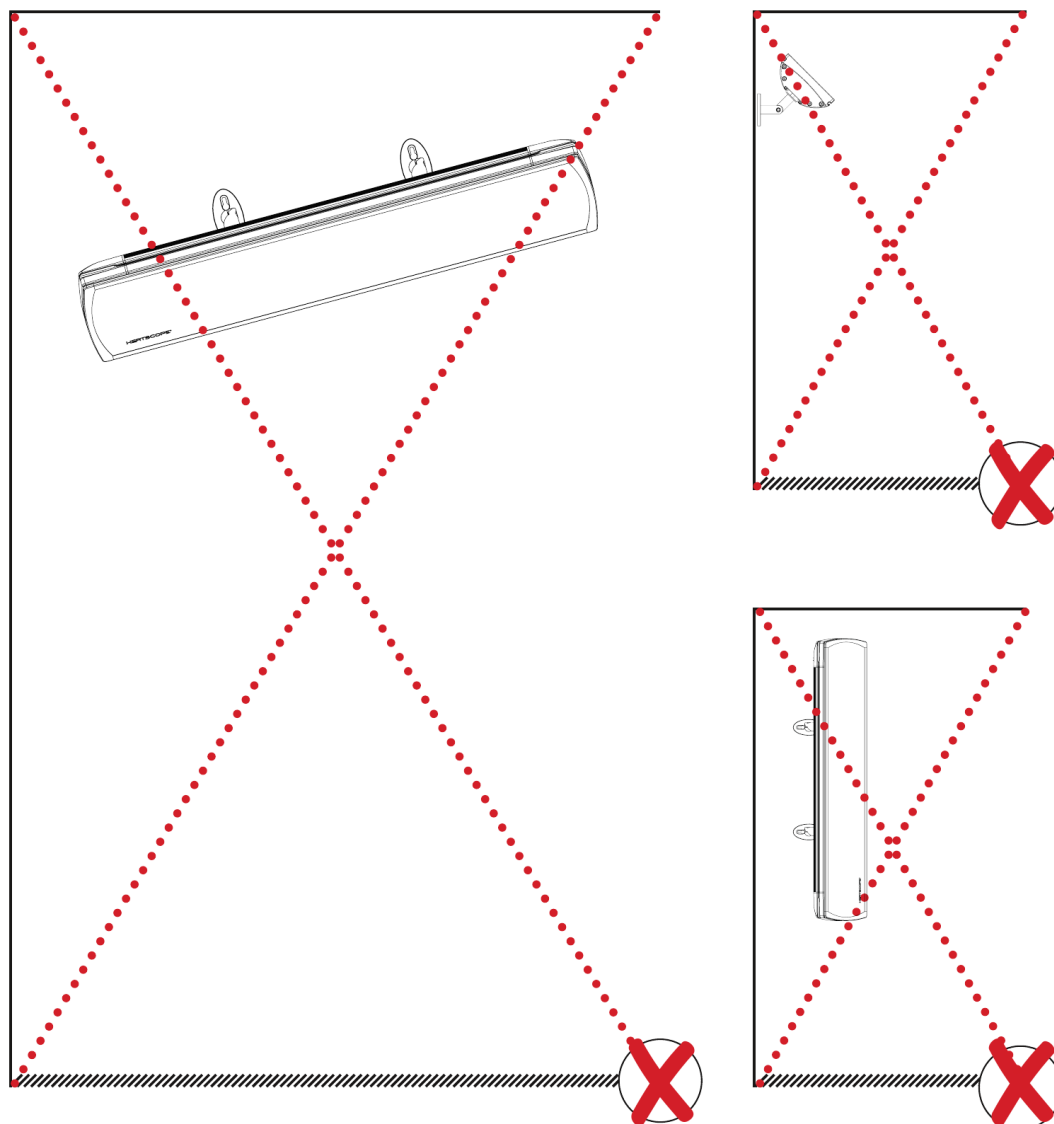
Wall installation - distances



Keep the clearances of the drawing: height greater than 180 cm, distance to the ceiling greater than 15 cm, lateral clearances greater than 40 cm and frontal distance greater than 150 cm, depending on the configuration shown.

05 / SAFETY CLEARANCES

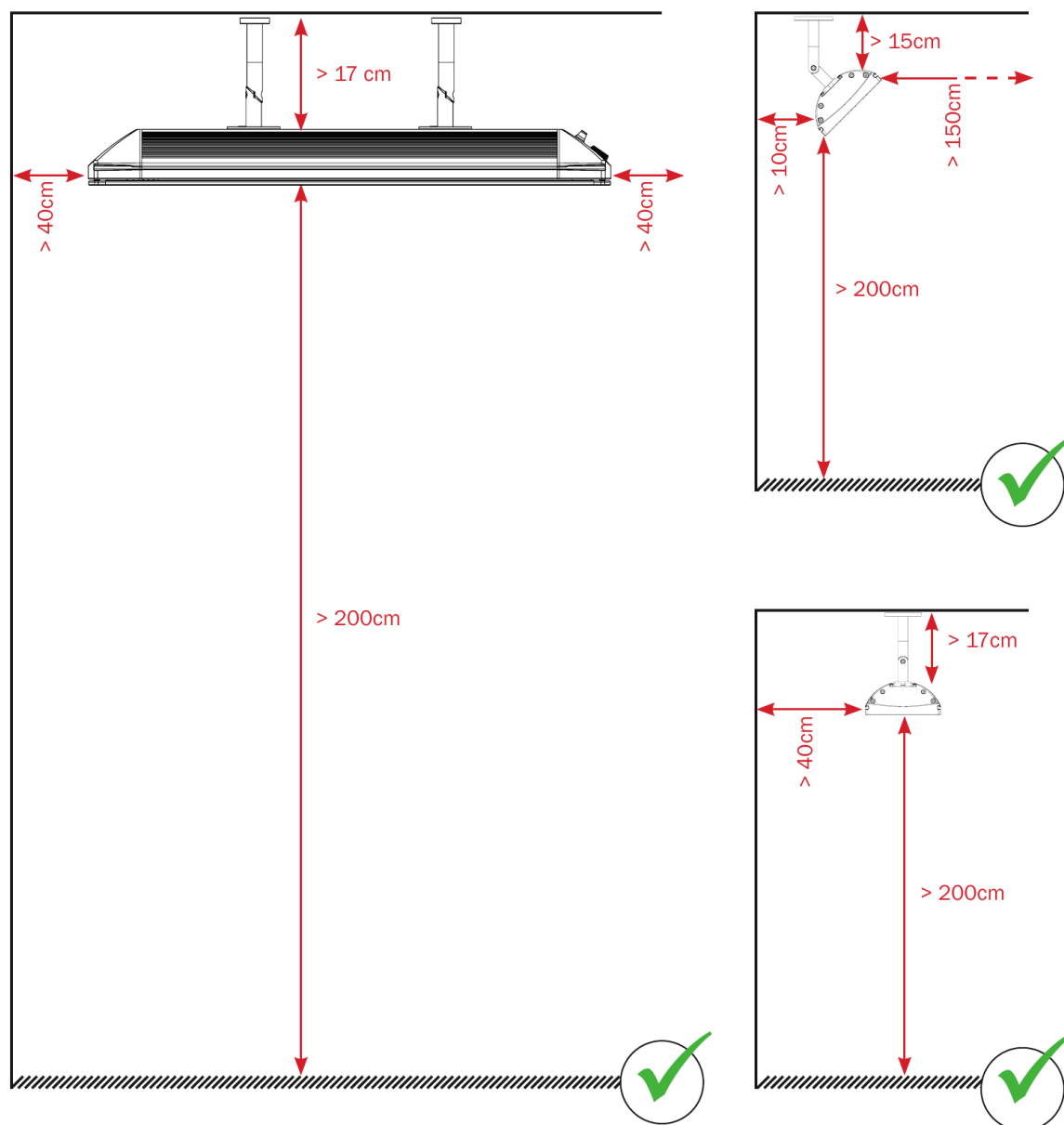
Wall installation - orientations



The configurations marked with a cross are not suitable. Keep a position and orientation consistent with the drawing on the previous page.

05 / SAFETY CLEARANCES

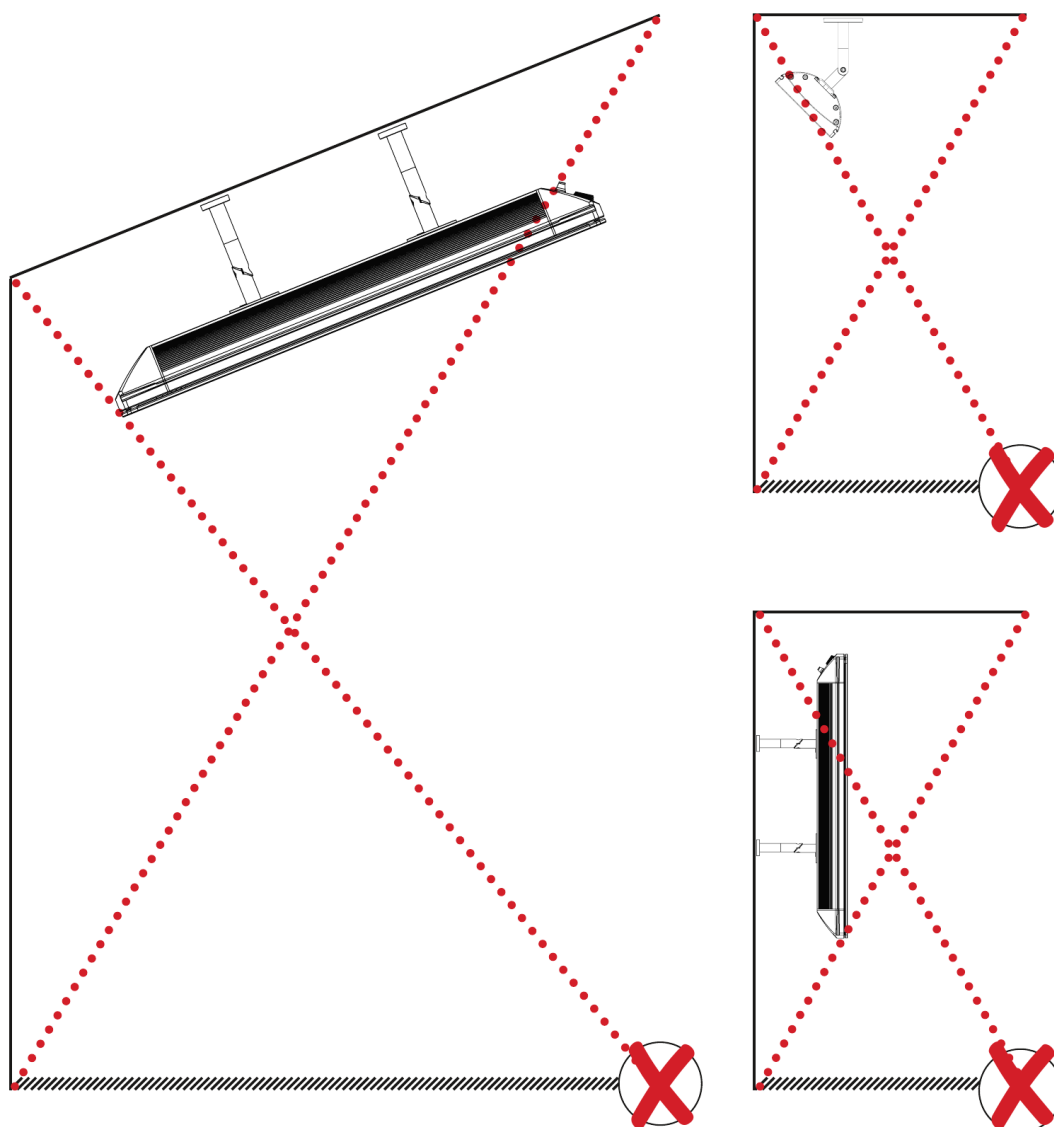
Ceiling mounting - clearances



The figure is >200 cm. The additional prescription in the HEATSCOPE manual requires at least 220 cm for a ceiling installation: hold this height of 220 cm. Also respect all other dimensions of the drawing.

05 / SAFETY CLEARANCES

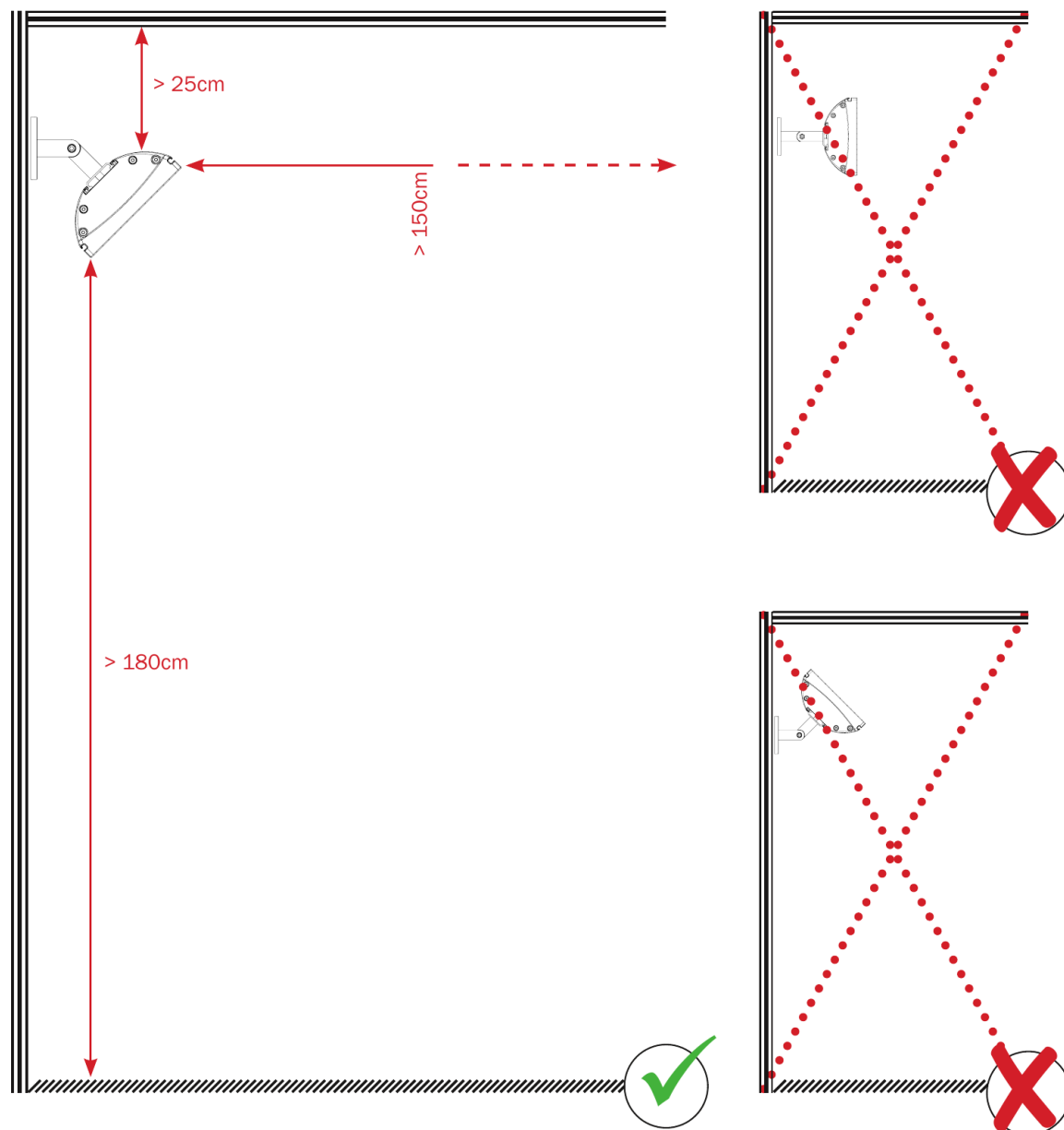
Ceiling mounting - orientation



Configurations marked with a cross are unsuitable. Maintain ventilation and clearances along the heater's entire length.

05 / SAFETY CLEARANCES

Under a glass cover



Under a glass cover, keep the distances represented: >25 cm under the glass, >150 cm in front of the heater and >180 cm for wall installation. For mounting on the ceiling, apply the minimum height of 220 cm.

06 / COMMISSIONING

Check, turn on, adjust

Before the first ignition

Unpack the heater carefully without using a sharp object. Check the accessories and the condition of the unit. Wipe the surfaces with a soft, slightly damp cloth and leave them to dry. Check both mounting brackets, the tightness of the fixings, orientation, safety distances, ventilation, electrical connection and protective devices. The mains voltage must match the rating plate. These instructions apply to standard models. For a special version or a different configuration, check the requirements for that particular unit.

Heat adjustment

Select 50% or 100% depending on your need. Comfort depends on height, orientation, wind exposure and the environment. Stop the heater after use.

Thermal protection

The manual describes an NTC temperature control and a thermal limiter. If the temperature of the electronic control exceeds 103 °C, an element may stop temporarily and restart after cooling. If the limiter triggers, completely shut off the power supply and allow the heater to cool down. Check the ventilation and remove any obstacles to radiation. On versions equipped with lights, two flashing red lights can signal this stop. If the stop is repeated or the lights continue to flash, keep the device switched off and contact Radiant Heater with its reference and serial number.

07 / TECHNICAL DATA

The three VISION powers

Power at 230 V	1600 W	2200 W	3200 W
Current	6,96 A	9,57 A	13,91 A
Dimensions L × l × H	810 × 184 × 87 mm	1160 × 184 × 87 mm	1660 × 184 × 87 mm
Weight	6,0 kg	8,0 kg	11,0 kg
References	VT1600	VT2200 / VE2200	VT3200 / VE3200
Power supply	220-240 V AC, 50/60 Hz		
Cable provided	1.1 m - 3 or 4 × 1.5 mm ² according to control		
Power levels	Off / 50% / 100%		
IP rating	IP44 - weather protected top		
Recommended height	1.8 to 2.5 m; ceiling mounting: minimum 2.2 m		
Glass-ceramic front / housing	Maximum 300 °C / 130 °C		
Filament temperature	1200-1300 °C (VISION data sheet)		
Colour temperature	1550-1650 K		
Time to full power	Approximately 30-60 seconds (VISION data sheet)		
Visible light	Less than 300 lumens		
Accessories included	Wall and ceiling mountings		
Finishes	AB : black / WT : white		

Specifications come from the HEATSCOPE VISION manual and data sheet. The reference and values on the rating plate identify your heater.

08 / MAINTENANCE

Protecting your VISION

Cleaning

Cut the entire power supply and wait at least 30 minutes. Clean only when the heater is cooled. Use a soft, slightly damp cloth for surfaces and a very soft cloth or a soft brush for reflector and heating elements. Do not use alkaline products, sodium hydroxide, soap, surfactants, solvents or alcohol. Do not change the heating elements or the housing.

Manufacturer's warranty

The HEATSCOPE manual describes a 24-month manufacturer's warranty from purchase.

Keep the invoice with the date, model and serial number. For a request for support, contact Radiant Heater with proof of purchase and a description of the defect. We will inform you of the procedure and the conditions for return. Use packaging suitable for transport. The manufacturer's warranty shall apply under the conditions of the manufacturer, in particular for compliant use and an unmodified device. Wear parts and damage due to non-recommended accessories or incorrect use are excluded. A repair or replacement retains the original purchase date.

End of life

Disconnect the device, identify it as out of service and prevent it from being turned on again. Place it in the collection and recycling of electrical equipment. Recycle the packaging in the appropriate channel.

09 / INDOOR CONTROL

Control and programming

The VISION is delivered without integrated thermostat. For indoor use, the manual presents the VE2200 and VE3200 with a compatible thermostatic control, including the optional DEVlreg™ Smart thermostat. This association concerns the manual versions with four electric wires.

Functions of the control presented

Ambient temperature measurement	Yes
Weekly programming	Yes
Window opening detection	Yes
Remote thermostat control	Yes
Limiting the operating time	Yes
Presence detection	No
Adaptive start	No

Data of the VE models in the manual

Data	VE2200	VE3200
Nominal thermal power	2,2 kW	3,2 kW
Minimum thermal power	1,1 kW	1,6 kW
Maximum continuous power	2,2 kW	3,2 kW
Auxiliary consumption	Not applicable	Not applicable

The choice and settings of the control shall correspond to the apparatus, indoor use and applicable requirements. To verify the compatibility of equipment, contact Radiant Heater.

CONTACT / SUPPORT

Your contact

Radiant Heater

For a question of installation, control, compatibility or after-sales service, indicate the exact reference and serial number of the heater. For a warranty request, attach the invoice and a description of the defect.

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radiant-heater.com/contact

Find the products on our website

Heatscope Vision 3200 W – All Black – Manual

Heatscope Vision 1600 W – White – Remote control

Heatscope Vision 2200 W – All Black – Remote control

Heatscope Vision 2200 W – All Black – Manual

Heatscope Vision 1600 W – All Black – Remote control

Heatscope Vision 3200 W – All Black – Remote control

Heatscope Vision 3200 W – White – Remote control

Heatscope Vision 3200 W – White – Manual

Heatscope Vision 2200 W – White – Remote control

Heatscope Vision 2200 W – White – Manual