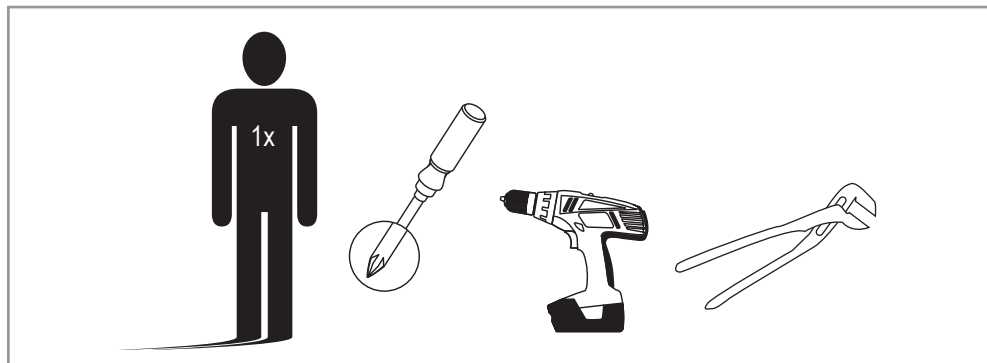


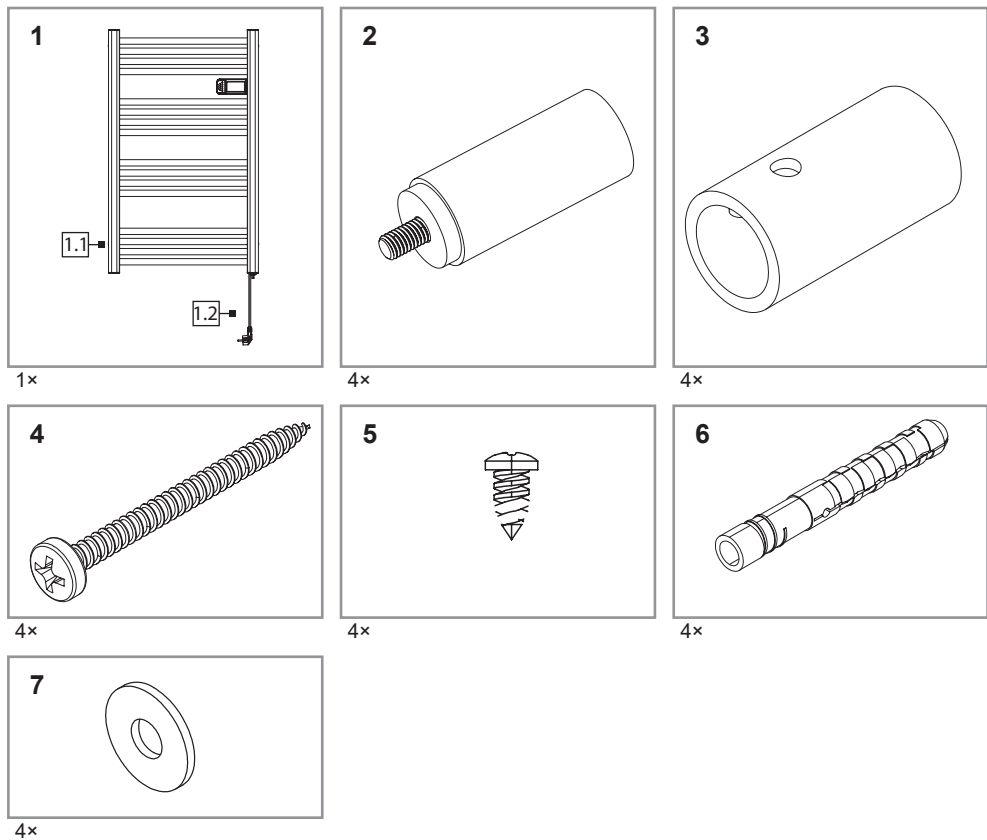
kobe

user manual

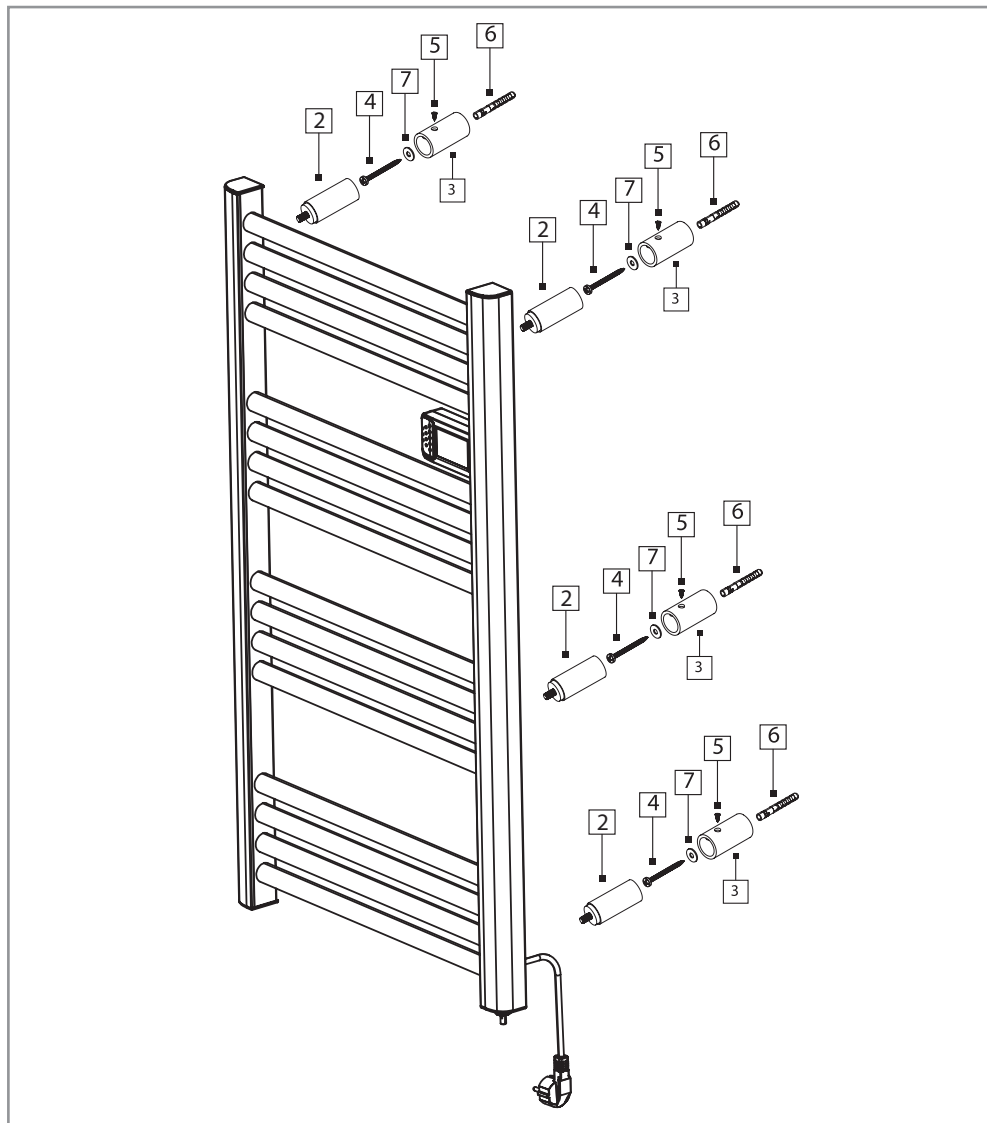
Necessary tools



Scope of delivery

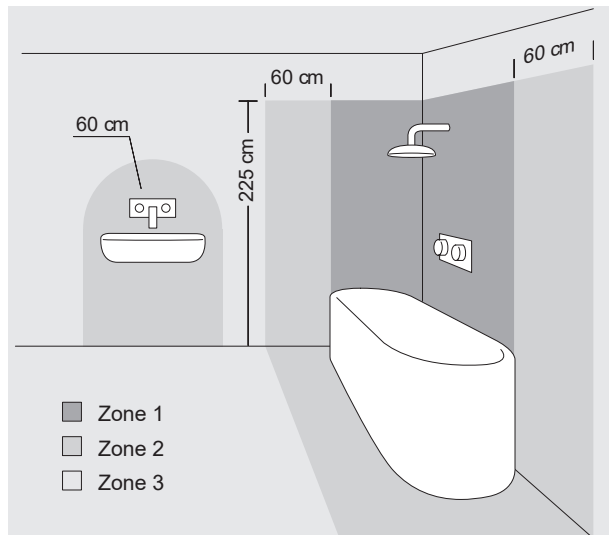


Overview

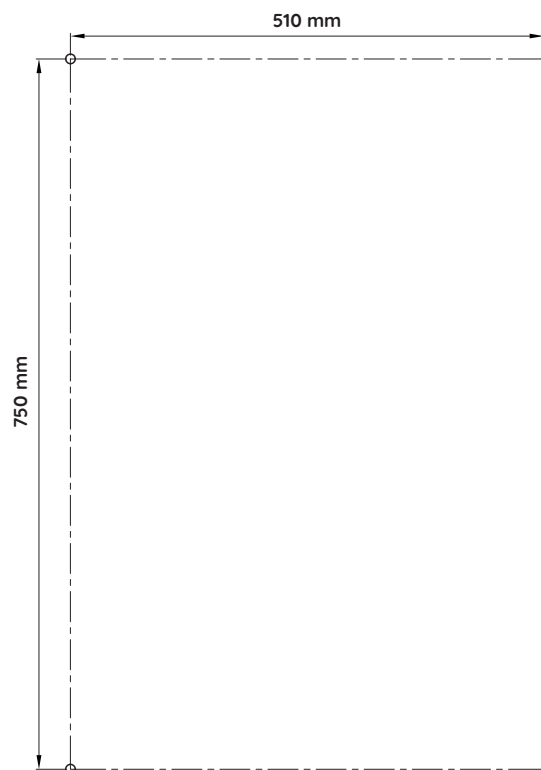


Assembly

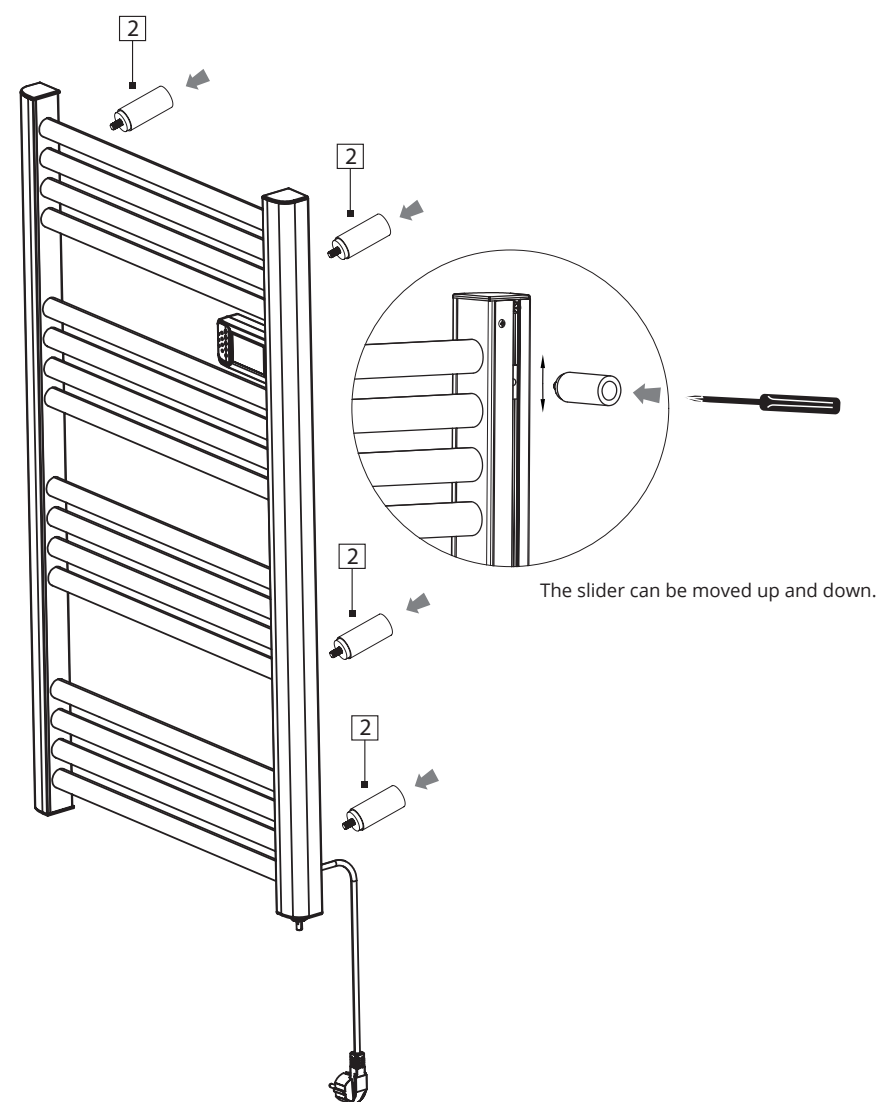
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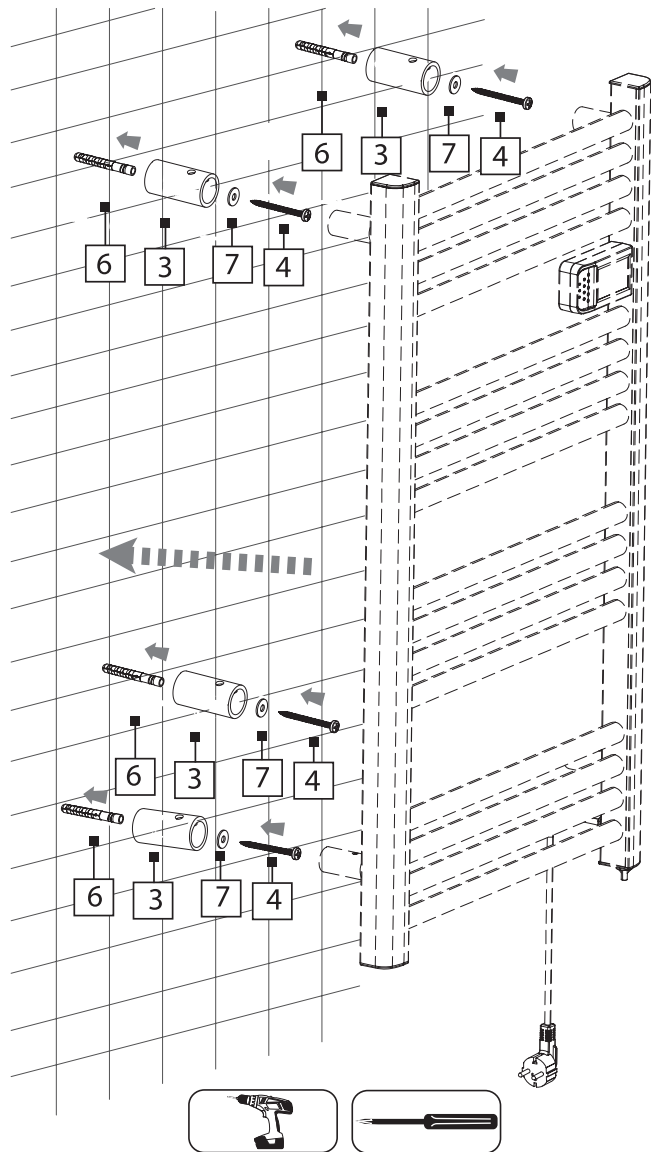
2
Installation size



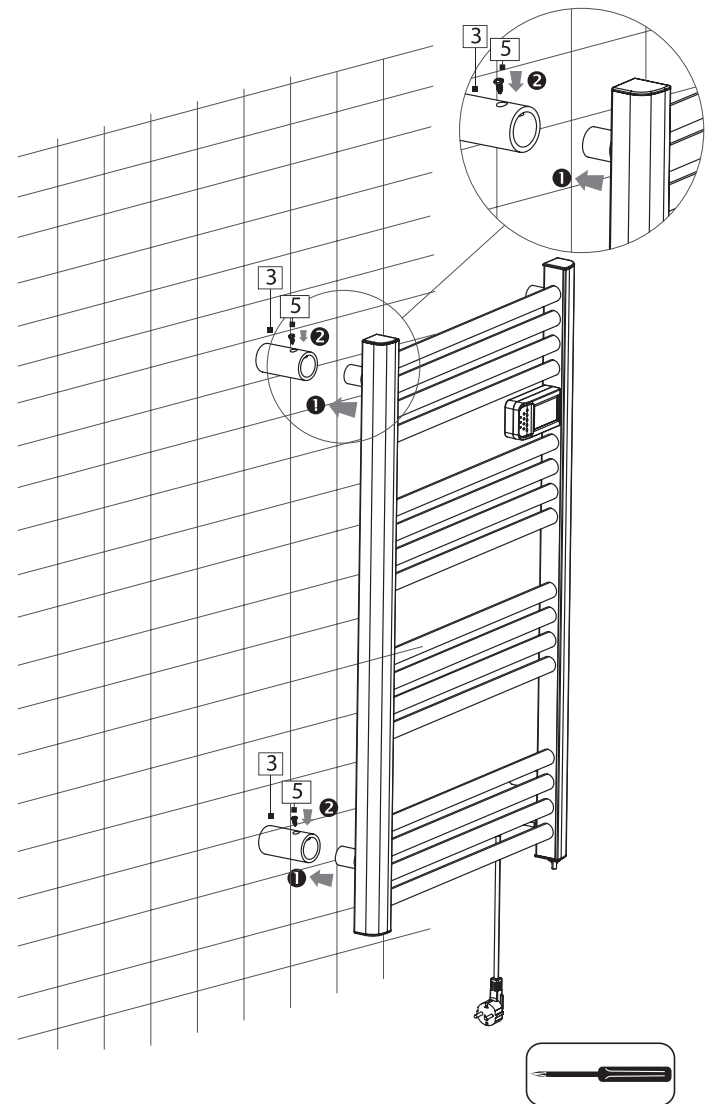
3



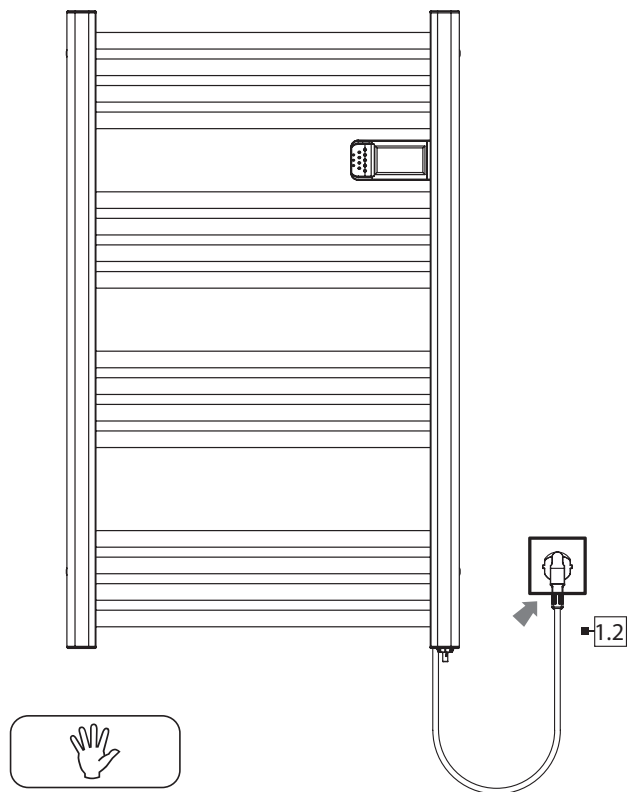
4



5



6



1. TECHNICAL DATA

Type: BVF kobe
 Number of heating rods: 16
 Nominal voltage: ~230V; 50Hz

Nominal output: 500W
 IP rating: IP24
 Dimensions: 540 x 43 x 960 mm

2. FOR YOUR SAFETY

2.1 Intended use

The device is intended exclusively for non-commercial operation as a heating device for small rooms. This product is not intended for commercial use. Generally acknowledged accident prevention regulations and enclosed safety instructions must be observed. Only perform work described in these instructions for use. Any other use is improper. The manufacturer will not assume responsibility for damage resulting from such use.

2.2 General safety instructions

- To operate this device safely, the user must have read and understood these instructions for use before using the device for the first time.
- Observe all safety instructions! Failure to do so may cause harm to you and others.
- Retain all instructions for use, and safety instructions for future reference.
- If you sell or pass the device on, you must also hand over these operating instructions.
- The device must only be used when it functions properly. If the product or part of the product is defective, it must be taken out of operation and disposed of correctly.
- Never use the device in a room where there is a danger of explosion or in the vicinity of flammable liquids or gases.
- Always ensure that a device which has been switched off cannot be restarted unintentionally.
- Do not use devices with an on/off switch that does not function correctly.
- Keep children away from the device! Keep the device out of the way of children and other unauthorised persons.
- Do not overload the device. Do not use the device for purposes for which it is not intended.
- Exercise caution and only work when in good condition: If you are tired, ill, if you have ingested alcohol, medication or illegal drugs, do not use the device, as you are not in a condition to use it safely.
- Ensure that children are not able to play with the device.
- Always comply with all applicable domestic and international safety, health, and working regulations.

2.2 Electrical safety

- The device may only be connected to a socket that is correctly installed and grounded.
- The fuse must be a residual current circuitbreaker with a measured residual current of no more than 30 mA.
- Make sure that the power supply corresponds with the connection specifications of the device before it is connected.
- The tool may only be used within the specified limitations for voltage and power (see type plate).
- Do not touch the mains plug with wet hands! Always pull out the mains plug at the plug and not by the cable.
- Do not bend, crush, pull or drive over the power cable, protect from sharp edges, oil and heat.
- Do not lift the device using the cable or use the cable for purposes other than intended.
- Check the plug and cable before each use.
- If the power cable is damaged immediately disconnect the plug. Never use the device if the power cable is damaged.
- If the device is not in use make sure the plug is pulled out.

- Make sure that the device is switched off before plugging in the mains cable.
- Make sure that the device is switched off before unplugging it.
- Disconnect the power supply before transporting the device.
- If the power connection cable of this device is damaged, it must be replaced by the manufacturer or the manufacturer's customer service department or a similarly qualified person in order to prevent risks.

2.3 Device-specific safety instructions

- To operate this product safely, the user must have read and understood these instructions for use before using the product for the first time.
- Always keep the operating instructions within reach.
- If you sell or pass on the device, you must also pass on these operating instructions.
- When working on walls, ceiling or floors, pay attention to any installed cables as well as gas and water lines.
- The surroundings must be free of highly-flammable or explosive materials.
- The device may not be operated outdoors.
- The device may never be operated without supervision.
- Never subject the device to water or other liquids.
- The product heats up during operation. Risk of injury!
- The device may not be covered. There is danger of fire.
- Do not use the heater in conjunction with a timer or any other switch capable of automatic activation, as this creates a fire hazard.
- The heater must not be located immediately below a socket-outlet.
- Do not use adapters or extension cords.
- Means for disconnection must be incorporated in the fixed wiring in accordance with the wiring rules.
- This appliance can be used by children aged from 8 years and above and by 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 if they understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.
- Children of less than 3 years should be kept away unless continuously supervised.
- Children aged from 3 years and less than 8 years shall only switch on/off the appliance provided that it has been placed or installed in its intended normal operating position and they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children aged from 3 years and less than 8 years shall not plug in, regulate and clean the appliance or perform user maintenance.
- CAUTION! Some parts of this product can become very hot and cause burns. Particular attention has to be given where children and vulnerable people are present.
- Symbols appearing on your device may not be removed or covered. Signs on the device that are no longer legible must be replaced immediately.

3. ASSEMBLY

See from page 20.

3.1 Safety distances



DANGER OF ELECTRIC SHOCK!

The product is suitable for operation in Zone 3. (P. 22 item 1.)



DANGER OF ELECTRIC SHOCK!

Before drilling the holds, make sure that there are no electrical or other lines in the wall.



DANGER! RISK OF INJURY!

The device may not be mounted directly below a wall outlet. Danger of cable fires!

- **WARNING:** in order to avoid any danger to very young children, it is recommended to install the appliance in such a way as to ensure that the lowest heating bar is positioned at least 600 mm above the ground.
- This device must be installed in such a way that switches and other control and/or monitoring devices cannot be touched by a person in the bath or shower.
- Distance between the equipment and the ceiling is at least 200 mm. Distance on both sides of the wall is at least 250 mm. Distance between the outlet and the bottom is from 150 cm to 180 cm. When the towel rack is mounted on the wall, a minimum distance of 60 cm to the ground are met.
- When the device is mounted in the bath, it should be placed in dry place such as installed on walls in front or behind toilet or beside the door.



3.2 Wall mounting



DANGER! RISK TO LIFE!

When drilling, ensure that sufficient space is left between the hole and the power lines located in the vicinity. There is a high risk of fire or a life-threatening electrical shock.

NOTICE! Property damage When drilling, ensure that sufficient space is left between the hole and the water lines located in the vicinity. There is a risk of water damage.

- Before installing the heater, mark the positions you wish to use for the wall brackets on the wall.
- Using a suitable drill, drill the holes in the wall.

3.3 Optimum position of the bracket

- Affix the wall brackets and the heater in accordance with the following diagram.

4. OPERATION

Check the safe condition of the device!



DANGER! Risk of injury!

The device must only be put into operation if no faults are found during the check-up. If any part of the device is defective, it must be replaced before the next use.

- Check whether there are any visible defects.
- Check whether the switch is on 0 before you insert the plug into the outlet.

4.1 Electrical connection

- Connect mains cable to outlet.

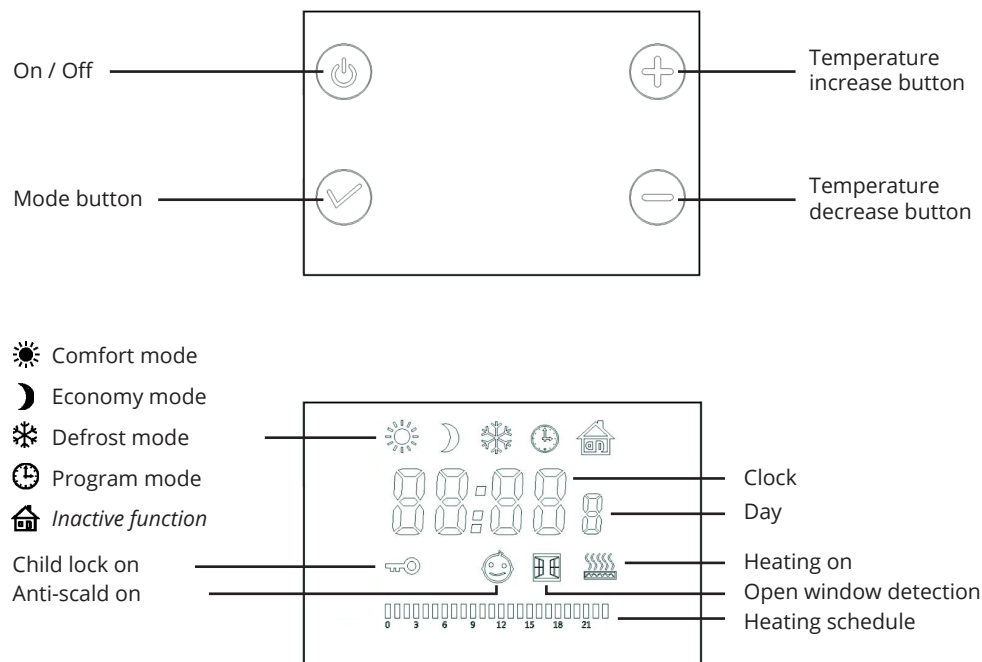


DANGER! Risk of injury!

The device may not be mounted directly below a wall outlet. Danger of cable fires!

5. DIGITAL THERMOSTAT USER MANUAL

5.1 LED Panel diagram



5.2 Mode select

Turn on the device with the button.

Press button to select the modes in this sequence:

- Comfort mode** - Setting the temperature in the daytime, available temperature range 7°C - 30°C. Default temperature is 19°C.
- Economy mode** - Setting the temperature in the night, available temperature range 7° - 30°C. The Max temperature shall not exceed the comfortable temperature. Default temperature is 15°C.
Press or to set the temperature, press to increase the temperature.
- Defrost mode** - Setting the temperature at 7°C, the unit will turn on at below 7°C and it will turn off at above 7°C.
- Program mode** - For energy saving and convenience, this mode allows the heater to be operated automatically according to a heating program consisting of a time-programmed change of comfort and economy periods.
- Inactive function** - Don't use.

5.3 Set time, date and schedule

5.3.1 Set time and date

To enter program mode, press mode button until hour set flashes.

Press and to set hour. *If no operation for 30s, it will jump to minute setting.*

Short press mode button until minute flashes, then press and to adjust. *If no operation for 30s, it will jump to week setting.*

Short press mode button until week flashes, then press and to choose weekday. 1 = Mon, 2 = Tue, 3 = Wed, 4 = Thu, 5 = Fri, 6 = Sat, 7 = Sun.

After setting, short press mode button and jump to P mode. *If no operation for 30s, it will jump to P mode setting. (See section 5.3.2 for details.)*

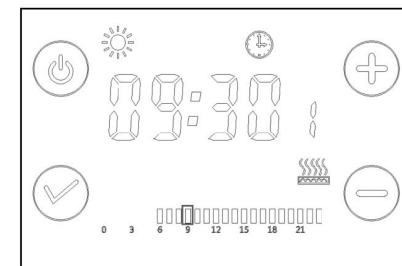
Example:

Press mode button until flashes .

Then press mode button , flashes .

Press mode button , flashes . This value indicates the days of the week (1 = Mon, 2 = Tue ... 7 = Sun).

Press button to set current day, then press and jump to P mode.



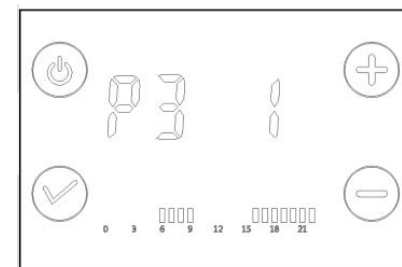
5.3.2 Set program schedule

After set time and date (5.3.1) available to assign default program modes to weekday.

Short press and to choose mode (P1-P7 see at 5.3.3).

Assign P mode for Monday to Sunday (1-7), then press model button returning to Program mode.

If you want to edit the default P1-P7 program schedule see the steps at 5.3.4.






5.3.3 Default program schedules







The temperature of the comfort period is the last setting you made earlier in (Comfort) mode, the same is true for the temperature set in (Economy) mode.


- P1: Comfort mode 6:00-22:00
- P2: Comfort mode 19:00-6:00
- P3: Comfort mode 6:00-9:00 | 16:00-22:00
- P4: Comfort mode 6:00-9:00 | 12:00-14:00 | 16:00-22:00
- P5: Economy mode 0:00-24:00
- P6: Comfort mode 0:00-24:00
- P7: Comfort mode 16:00-22:00

Between comfort periods the heater operates in economy mode (except for modes P5 and P6).

5.3.4 Edit default program schedule

To do this, follow the program mode setting (5.3.2), then press mode button  until  changes to .





Press  and  to revise P1 mode (Press  to run  (Comfort) mode and press  to run  (Economy) mode). The hours of the day and their settings are shown at the bottom of the screen. Current operating position flashes, the Comfort mode is indicated full and the Economy mode is indicated empty.

After choosing the mode you need then press model button  to exit.

Press mode button  can revise other modes.





5.4 Child lock





To avoid misoperation, end user can set child lock to lock current mode.

Press  and  at same time until Child lock icon  lights on, current mode is locked; except end user press on / off button , other operations are invalid.

If dismiss child lock, press  and  at same time until Child lock icon  lights off.

5.5 Internal setting and description

Press  5s in power off state, enter into internal setting, then short press  to switch mode, press  and  to set.


Temperature compensation setting () - Open window detection () - Anti-scald ().
 presents off in power off state.



5.5.1 Temperature compensation setting



Temperature compensation setting when temperature is not correct.

Press  when in power off state into the temperature compensation setting, the range is from 5 °C to -5 °C, short press  to exit current setting.




5.5.2 Open window detection

 means open window detection is off. In heating state, when environment temperature drops 2°C within 5 mins, indicating the window is open, Open window detection is start. The unit stops heating for 65 / 90mins, then enter into previous mode. If environment temperature drops 2°C, within 5 mins again, Open window detection starts again and heating stops for 65 / 90mins again. Run in this cycle.

Press  to start Open window detection, end user can re-start heating timing set, choose from 0, 65, 90 mins; after setting, short press  to switch to other modes.

Press  set  to stop open window detection.

5.5.3 Anti-scald

Press  to rise temperature and press  to reduce product temperature, choose from 0, 40, 45, 50, 55, 60 °C; after set, short press  to switch to other modes.



Press  set  to stop anti-scald.

After set, short press  to exit internal setting.

5.5.4 Power failure memory function

If into power failure suddenly, the working state is lock at the moment of power failure; when into power on, it automatically restore previous mode, except timing mode need to be reset, other modes saved.

5.5.5 Restore factory setting

The system will start to restore the factory setting automatically and enter into the power off states when press the  10s. Then press  and the temperature is 19°C in Comfort mode, the temperature is 15 °C in the Economy mode. The time Current time Present day is Monday Timing mode.

Example 6:00-22:00 Current operating position: flashes Icon Description 16 is [0000], week is [1], [P1-P7] is the default setting, all the timing contents are restored to the factory settings.

6. CLEANING



DANGER! RISK OF INJURY!

Before all work on the device, always disconnect the mains plug.

1. Switch off the device and let it cool off completely.
2. Pull out the plug.
3. Wipe the device with a slightly damp cloth. Never use detergents or solvents for cleaning. This can cause irreparable damage to the product. The plastic parts can be eaten away by chemicals.

7. FAULTS AND REMEDIAL MEASURES



DANGER! RISK OF INJURY!

Improperly performed repairs can lead to the device not functioning safely. This endangers yourself and your environment.

Malfunctions are often caused by minor faults. You can easily remedy most of these yourself. Please consult the following table before contacting the vendor. You will save yourself a lot of trouble and possibly money too.

Fault/malfunction	Cause	Remedial measure
Device does not heat	Is the device switched off?	Switch on the device or set the desired heat level.
	Is the temperature regulator set too low?	Set the temperature regulator higher.
	No mains voltage?	Check cables, plugs, outlets and fuse.
The temperature indicate Er	The temperature is exceed 55 °C	Wait for the device to cool.
	The temperature sensor is in short circuit state	Contact your product dealer.

If you can't fix the fault yourself, contact your nearest vendor. Please be aware that any improper repairs will also invalidate the warranty and additional costs may be incurred.



The packaging consists of cardboard and correspondingly marked plastics that can be recycled. Make these materials available for recycling.



Batteries and rechargeable batteries, electrical or electronic devices must not be disposed of with household waste. They may contain substances that are harmful to the environment and human health.

ERP LABEL

Information requirements for electric local space heaters

Model identifier(s): BVF KOBE-500

Item	Sym- bol	Value	Unit	Item	Unit
Heat output				Type of heat input, for electric storage local space heaters only	
Nominal heat output	P _{nom}	0.4	kW	Manual heat charge control with integrated thermostat	[no]
Minimum heat output (indicative)	P _{min}	NA	kW	Manual heat charge control with room and/or outdoor temperature feedback	[no]
Maximum continuous heat output	P _{max,c}	0.4	kW	Electronic heat charge control with room and/or outdoor temperature feedback	[no]
Auxiliary electricity consumption				Fan assisted heat output	[no]
At nominal heat output	el _{max}	0	kW	Type of heat output/room temperature control	
At minimum heat output	el _{min}	0	kW	Single stage heat output, no room temperature control	[no]
In standby mode	el _{sb}	0.000	kW	Two or more manual stages, no room temperature control	[no]
				With mechanic thermostat room temperature control	[no]
				With electronic room temperature control	[no]
				With electronic room temperature control plus day timer	[no]
				With electronic room temperature control plus week timer	[yes]
				Other control options	
				Room temperature control, with presence detection	[no]
				Room temperature control, with open window detection	[yes]
				with distance control option	[no]
				with adaptive start control	[no]
				with working time limitation	[no]
				with black bulb sensor	[no]
Contact details			BVF Heating Solutions Co. Ltd. Csomafalva utca 2. Budapest, H-1173 Hungary		



bvfheating.com

