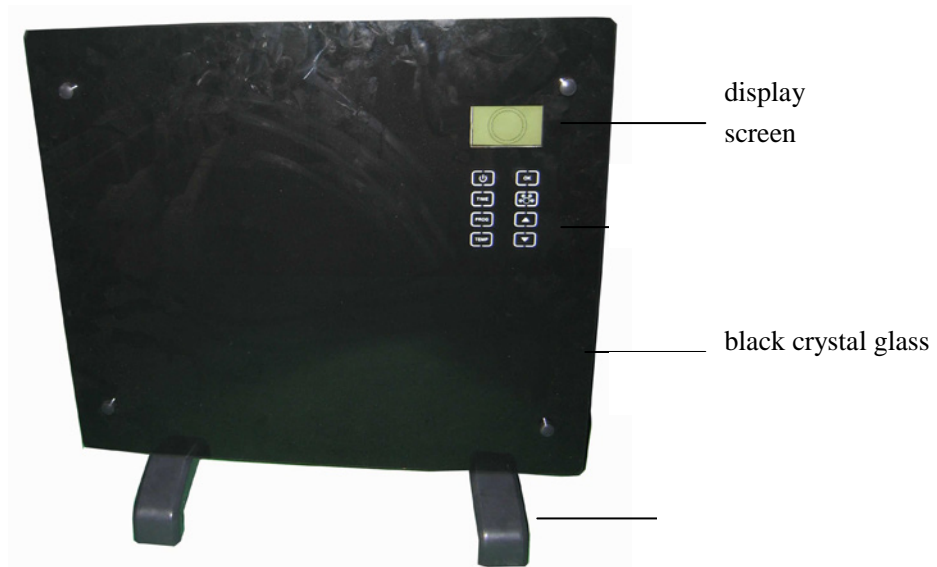


Service Manual

Please read the manual carefully prior to use



ZKG 01 W/B

I . Product profile

Thank you for choosing ZASS heater. ZASS is a domestic appliance manufacturing and export business. ZASS convection heater of Continental style, a new product based on high-tech R & D, featuring a novel style, quick heating, high thermal efficiency, security, no noise, no open flame, long life and simple maintenance, has become a favorite product of consumers both home and abroad, with its perfect combination of development trend of electrical appliance in Europe with domestic consumption fashion. The European convection heater features a heating element with aluminum heat sink, long-life, safe, reliable multi-temperature control security settings, tip-over power off settings, metal housing, universal casters, types of wall-hanging and ceiling-hang, power line, operation control panel and work settings, etc. The heating element with aluminum heat sink generates heat rapidly after power is on, allowing a quick air circulation flow, so that room temperature may rise quickly to achieve desired heating effect.

II . Product features

1. High-quality heating element with aluminum heat sink: made of advanced technology, fast heat, big thermal area, rapid temperature rise, stable performance, no oxygen consumption, no light consumption.
2. Options of common type and remote control type.
3. Display panel of digital screen, infrared remote control, easy and simple. (Remote type)
4. Silent warmth: quiet and cozy.
5. Multiple safety device: Auto power-off protection during overheating, safer and more at ease.
6. Thermal sensor design: easy for you to set room temperature that you are satisfied with. (Remote control series)
7. 24-hour switch on and off: easy, safe, reliable. (Remote control series)
8. Display of automatic determination of ambient temperature. (remote control series)
9. Portable wall-mounted structure: easy for you to install according to actual needs.
10. Operation function of touch switch. (Remote type)
11. Noble, elegant and beautiful special black crystal glass panel

III. Safety Instructions

- Open the package, take out the body, check whether the supplied accessories and the body are complete and intact.
- Power on (plug such as electrical outlet) after the equipment is installed in place according to installation instructions and requirements. Requirements for power outlet and power: AC 220-240V, frequency 50/60Hz, withstand current $\geq 10A$.
- Read the service manual before you use the electric heater. Keep the manual and have it attached with the heater in case you offer the heater to others as a gift.
- The heater is only suitable for indoor use. Do not use it outdoors!
- The heater can not be directly used in tub, shower room or near pool
- Do not leave the heater unattended during use. Keep the heater out of the reach of children. Do not use automatic switch device on the heater (for example, time switch), otherwise automatic operation of the electric heater which is left unattended may be caused.
- Covering of the heater is strictly prohibited. Maintain a sufficient safe distance from inflammables and explosives to avoid risks of fires and explosions.
- Inserting other items into the shell or protection grid of the electric heater is strictly prohibited, or electric leakage and shock may be caused.
- Do not touch the metal housing as it will get hot during the running of the electric heater, and keep the heater away from children to avoid risk of burns. Set aside some time to let the heater cool before you turn it off and store it.
- If the electric heater has been idle for a long time, plug the power plug from the outlet.
- Prior to the use of the electric heater, make sure that the heater is in a good condition and intact. In case the heater shell, wire or plug is damaged, the heater may not be

connected to power

- The heating unit of the heater (the heating film at the back of the protection grid of the heater) may be damaged from fall. Please confirm the heating unit is not damaged prior to each use. Do not use the electric heater if the heating element is broken.
- Disconnect the power plug when moving or cleaning this appliance. When disconnecting the appliance connection, first turn off the switch, then unplug the plug. Do not yank the power cable.
- Demolition of the electric heater with authorization is strictly prohibited. Please look for professional service personnel if the heater is damaged.
- The product is limited to home use.
- Installation of the heater directly under wall outlet is strictly forbidden.
- During normal use, do not let bare skin touch the surface of the appliance, so as not to be burnt
- Avoid the use of the heater if children, animals or the disabled and those who lack self control are present while nobody else is taking care of them.
- The appliance should not be available to the following people (including children): those with physical, sensory or mental impairments, or those who lack experience and knowledge unless they get custody or instructions on the use of the product from the person who is responsible for their safety.
- Children should be supervised and ensured that they will not play with this appliance.
- Only specific personnel from the technical service center may replace the power cord of the product in case it is damaged to ensure safety.
- Do not share the socket with other electrical appliances to avoid current overload, or fire risks may be caused by excessive load
- CAUTION: covering of the cooling device is prohibited to avoid overheating, or dangerous accidents may be caused.

IV. Installation and application of the electric heater

- Check whether the parts are complete and the product is intact when open the package.
- If you want to use the electric heater in a mobile way, please install the rollers provided in the package. Make sure the heater is correctly fixed with the screws provided. Please make sure the base is level, stable and clean. Please note **the safe distance** mentioned below.

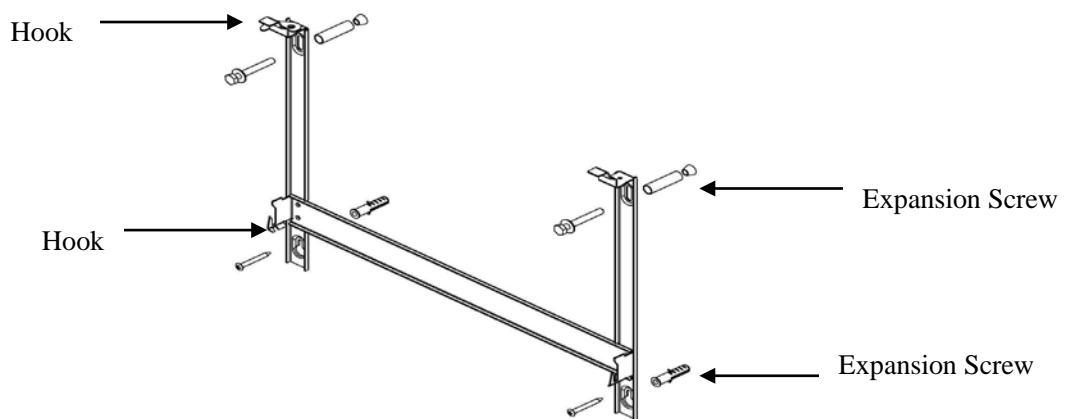


Steps for castor installation:

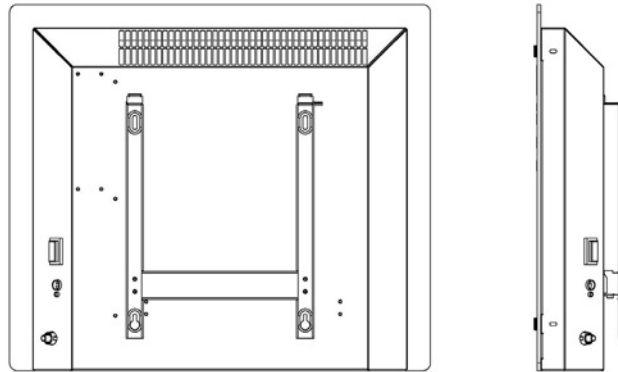
1. Put the product upside down on a soft cotton cloth or carpet.
2. Mount the stand in the corresponding location of the lower part of the product as shown above, and then fix the randomly supplied screw at the bottom of the product with a screwdriver and tighten the screw.

Wall-mount Instructions

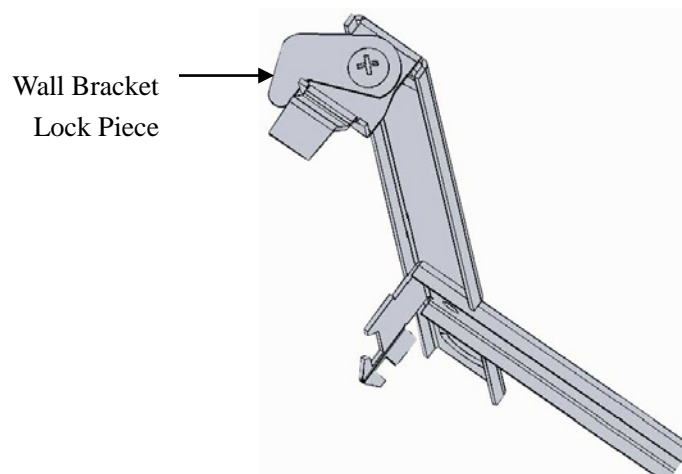
1. Take out the wall brackets and expansion screws out from the box, and fix the screws onto the wall according to the distances between holes of the wall brackets, as depicted in the picture below.



2. Aim the 4 holes in the back of the machine to the 4 hooks on the wall bracket and push it on, and then slide into the slot to click on, as shown below.



3. Fix the wall bracket lock piece onto the bracket with screws, slide the lock piece into the locking slot on the back of the machine, and then tighten up the screw, as shown in the picture below.



Note: Prior to the drilling, make sure there is no cable or other pipelines on the wall to avoid damage. Remember that the screws on the wall shall be fixed and firm to ensure the safety installation of the electric heater on the wall. Please note the safe distance mentioned below.

- During installation, the heater must be maintained sufficiently safe distance from combustible materials and gas and away from water.
- During wall-hanging installation, keep the installation height from the ground greater than 15 cm. Hanging-type heater shall be no less than 50 cm away from the ceiling.

V. Operation notice

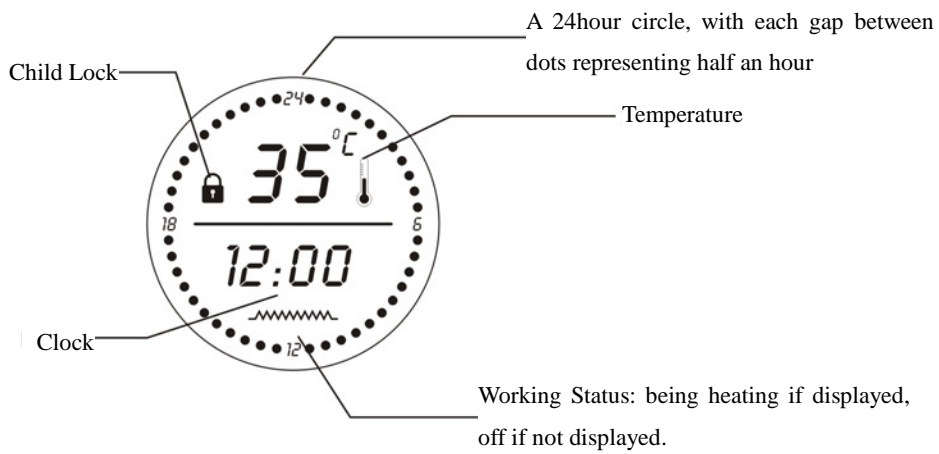
- Make sure the heater shell, line and power plug are intact.
- Check the rated voltage in the model label of the heater is in line with that of the outlet. Power outlet requirements are: voltage 220V, frequency 50Hz, bearing current $\geq 10A$. Do not power the heater on until the requirements are met.

User Manual for ZKG Series

Guidelines:









Mon.	1		Comfortable
Tue.	2		Economical
Wed.	3		Frost-free
Thu.	4		Anionic
Fri.	5		
Sat.	6		
Sun.	7		

Weekly Mode Heating Mode
















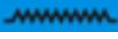




Remote Control Interface


1. Turn on the power, press  to get into standby, with the screen only showing the temperature (i.e. current ambient temperature), time (00:00), and function icons of “Comfortable, Economical, Frost-free, Anionic”.
2. How to set-up: Press the Program button  to enter the configuration modes of “Weekly Mode ” or “Free Mode ”, which can be selected by the Up and Down button. When the timing icon  at the bottom-left corner of the screen is flashing, you can set up in “Weekly Mode”, and when the flame icon  at the bottom-right corner of the screen is flashing, you can set up in “Free Mode”. The border of the “Monday” icon will flash, and you can use the Up and Down button to select the week days from Monday to Sunday (Note: The time of Monday to Sunday will only display in “Weekly Mode”).
3. Free mode set-up: Press , and press the Up and Down buttons to select Free Mode .



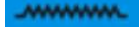


or Weekly Mode :

- a. When the icon  is flashing, it is in Free mode standby, with the screen showing the temperature (i.e. current ambient temperature), time (00:00), and function icons of “Comfortable , Economical , Frost-free , Anionic  flashing (the frost-free temperature is set at 5°C). When the machine is switched on by pressing the Heating button , the frost-free function will be stopped while heating, and the border of the icon  will stop flashing.


- b. While Standby, press the Temperature button  and the temperature digits will flash, and then you can preset the temperature with the Up and Down buttons. Press the timing button  and the time digits will flash, and then you can set up the time to turn on the machine with the Up and Down buttons (Note: The border of the timing icon  flashes when the timing is set).















- c. While standby, press the Program button  and the machine starts to heat up, with the heating icon  shown and the border of the “Comfortable” icon  flashing. While heating, press the temperature button  and you can change the preset temperature with the Up and Down buttons. Press the timing button to set the time to shut down the machine with the Up and Down buttons (Note: The border of the timing icon  flashes when the timing is set. The time shows 00:00 if the timing is not set. The icon  indicates timing under the “Free Mode”).











- d. Temperature setup: While heating, press the Temperature button  and the temperature digits flash, and then you can set your comfortable room temperature with the Up and Down buttons (Note: The temperature range to set is between 15~50°C, and the machine’s working temperature range is between -20~50°C, with the default working temperature at 35°C.). When the ambient temperature is equal to the preset






temperature, the product will automatically switch from Comfortable mode  to Economical mode , indicated by the icon change with flashing border. When the ambient temperature is 2°C higher than the preset temperature, the product will stop heating (with the heating icon , and borders of the Comfortable and Economical icons stopping flashing). When the ambient temperature is equal to the preset temperature, the product will automatically switch from Comfortable mode to Economical mode along with the flashing Economical icon. When the ambient temperature is 5°C lower than the present temperature, the product will switch from the Economical mode  back to the Comfortable mode  along with the border of the Comfortable icon flashing.






- e. Under the timing status, the displayed time will decrease along with the time elapsing.

4. Weekly mode set-up: Press , and press the Up and Down buttons to select Free mode or Weekly Mode:


- a. The flashing  means it is in the Weekly mode setting, with the right side of the screen showing Monday to Sunday, temperature in the circle in the middle (Note: The temperature range to set is between 15~50°C, and the machine's working temperature range is between -20~50°C, with the default working temperature at 35°C.), time as 00:00, and function icons of “Comfortable , Economical , Frost-free , Anionic ” on the right.
- b. Under the Weekly Mode, press the Timing button  and the borders of the weekday icons flash, and then you can select each day from Monday  to Sunday , with the border of the selected day's icon flashing. Press the Timing button  at this time then you can setup the time, using the Up and Down buttons to set Hour when “00:” is flashing, and press the Timing button  again to set the Minute with the Up and Down buttons when “:00” is flashing.
- c. Program setup: Under the Weekly Mode, press the Timing button  and select any day between Monday  and Sunday  with the border of the selected day's icon flashing. Press the program button  to set up the day's configuration, with the

central circle showing function icons e.g. Comfortable , Economical , or Frost-free , and then press the OK button to confirm. The border of Comfortable icon  on the right side will flash, and then you can use the Up and Down buttons to select the mode you want for the time you set, i.e. “Comfortable , Economical , Frost-free , with the border of the icon flashing when selected. Press the OK button to confirm, with the block in the circle (i.e. the mode icons , , ) moving forward a step, and then you can select the mode you want with the same way of configuration. Each step in the circle is a temperature change (i.e. the product’s default temperature for Economical mode is 5°C lower than the preset temperature for the Comfortable mode), while each step in time is 30 minutes.

d. While heating, the wire icon  and flame icon  in the circle are lightened, with the block in the circle moving and flashing along with the time passing by, and the border of corresponding function icons “Comfortable , Economical , Frost-free ”flashing as well.





e. Time setup: Under the Weekly Mode, press the Timing button  and the borders of the weekday icons flash, and then you can select each day from Monday  to Sunday , with the border of the selected day’s icon flashing. Press the Timing button  at this time then you can setup the time, using the Up and Down buttons to set Hour when 00: is flashing, and press the Timing button  again to set the Minute with the Up and Down buttons when “:00” is flashing.




The product has memory. After you set up the time in the Weekly Mode, the machine will run 24x7, i.e. it will automatically enter Tuesday after Monday's 24 hours, circling through Monday to Sunday on an on according to the preset program.




f. Temperature setup: Under the Weekly Mode working status, press the Temperature button  and the temperature digits flash, and then you can set your comfortable room temperature with the Up and Down buttons (Note: The temperature range to set is between 15~50°C, and the machine’s working temperature range is between -20~50°C, with the default working temperature at 35°C. The temperature set up every time is the

working temperature of the Comfortable mode. The product's Economy mode's default temperature is always 5°C lower than the preset Comfortable mode's temperature, and the product's Frost-free mode's default temperature is 5°C). When the ambient temperature is 2°C higher than the preset temperature, the product stops heating, with the heating icon

 dimmed but the border of corresponding mode icon (i.e. , , )

still flashing, and the mode icon in the circle (, , ) also flashing. When the ambient temperature is 2°C lower than the preset temperature, the product will automatically restart heating up along with the heating icon  displayed.

5. Anionic function: Press the Anionic button  to start the Anionic function, with the border of the Anionic function icon  flashing. When the Anionic function is stopped, the border of the Anionic function icon  stops flashing.

6. Child-lock function: Press the Power button , and the interface will automatically lock up after 10 seconds, which means all buttons do not respond. To unlock the controller, press the OK button  and then the Down button . You can only operate the controller to set up the functions when the controller is unlocked.

VI. Technical Data

Type	Voltage	Frequency	Power	Category
ZKG 01W/B	230V	50/60Hz	2000W	I

The product is for household use only.

Correct Disposal of this product



This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmental safe recycling.

Warranty Information

The manufacturer provides warranty in accordance with the legislation of the customer's own country of residence, with a minimum of 2 year.

The warranty only covers defects in material or workmanship.

The repairs under warranty may only be carried out by an authorized service centre. When making a claim under the warranty, the original bill of purchase (with purchase date) must be submitted.

The warranty will not apply in cases of:

- Normal wear and tear
- Incorrect use, e.g. overloading of the appliance, use of non-approved accessories
- Use of force, damage caused by external influences
- Damage caused by non-observance of the user manual, e.g. connection to an unsuitable mains supply or non-compliance with the installation instructions
- Partially or completely dismantled appliances