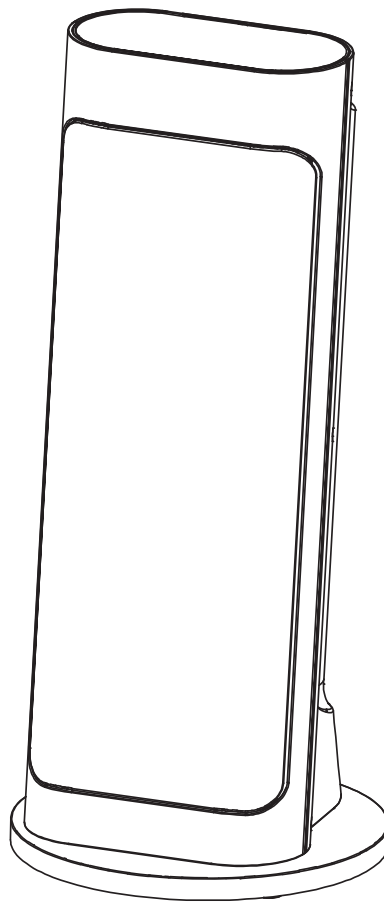




**OWNER'S MANUAL**

**KANEDA**  
**PTC CERAMIC HEATER**  
**MODEL: KH-222ER**



***READ AND SAVE THESE INSTRUCTIONS***

Attention: Pictures in the IM are for reference only.


## **IMPORTANT SAFEGUARDS**

When using any electrical appliance, basic safety precautions should always be followed, including the following:

1. To ensure familiarity with the controls, safety features, and operation of your heater - Read all instructions before using.
2. To reduce hazard of injury due to electric shock
  - 2.1 Danger of shock exists even when the appliance is switched off. ALWAYS unplug when not in use.
  - 2.2 A heater should never be used under conditions where it may be immersed, or come in contact with water. Similarly do not plug in your heater if its surfaces are damp.
  - 2.3 Do not insert foreign objects through the intake or discharge grilles.
  - 2.4 Do not operate the heater with a damaged cord-set, or if it has been dropped, or damaged in any manner. Return it to our repair centre for inspection, repair and testing.
  - 2.5 Close supervision is required when any appliance is used by or near children.
  - 2.6 Disconnect the cord from the outlet before cleaning.
  - 2.7 Unplug heater by grasping plug and pulling it from the outlet.
  - 2.8 When storing your heater, keep it in a cool, dry place.
  - 2.9 This appliance plug should be 13Amp, ensure using the same power plug or above. Otherwise, it may cause danger.
3. To reduce hazard of injury or property damage due to heat, fire, or explosion:
  - 3.1 Position your heater away from furniture or loose hanging materials. Do not drape clothing or towels, etc, over the heater to dry.
  - 3.2 Keep the rear grille out from walls or drapes so as not to block the air intake.
  - 3.3 Use of an extension cord is not recommended. However, if it is absolutely necessary ensure the cord is:
    - The cross section of the cord should not be more than 1.0mm , the carrying capacity must be 13Amp.

- Short as possible (long cords coiled up can overheat , as well as cause tripping accidents )
  - No more than one appliance should be used in one power supply at a time.
- 3.4 Do not use in the presence of explosive or flammable vapors.
  - 3.5 Do not run in locations when the heater will be left unattended for long periods of time. (for example - several weeks in an unoccupied summer cottage).
  - 3.6 Use the heater on flat, dry surfaces only
  - 3.7 Do not use attachments or filters not recommended.
  - 3.8 Loose connections between the heater plug and the electrical outlet may cause the plug to overheat. Replace any worn electrical receptacles promptly.
  - 3.9 Use on 220-240V~, 50Hz power supply.
  - 3.10 Ensure no other appliances are plugged into the same circuit as your heater. A circuit overload could occur, resulting in dimmed lights, blown fuses, tripped circuit breakers, or fire hazard.
  - 3.11 Route the cord so that it will not be walked on, or pinched by furniture.
  - 3.12 This product is intended for normal household use only.
  - 3.13 This product cannot be used in kitchen or washroom etc. moisture areas.

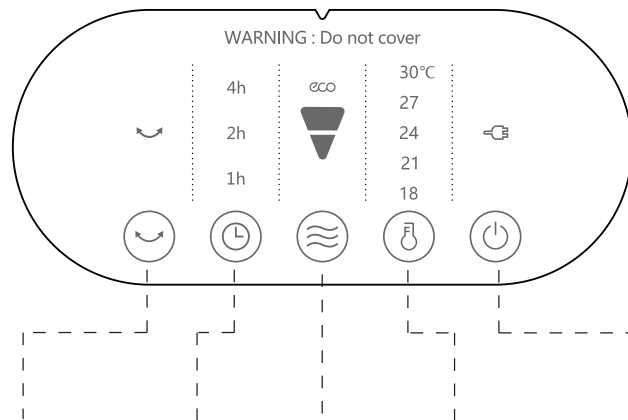
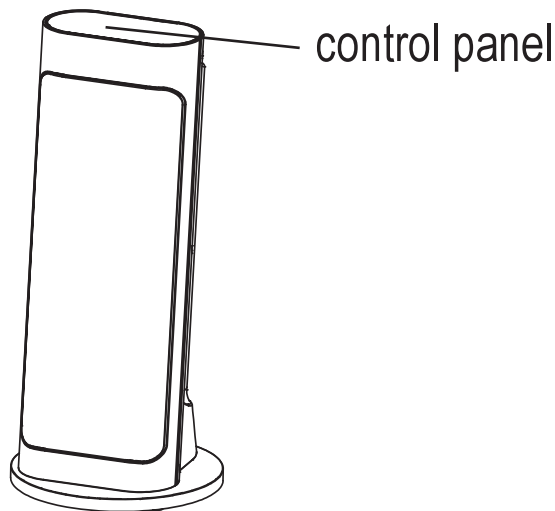
## warning

1.  In order to avoid overheating, do not cover the heater.
2. If the supply cord is damaged, it must be replaced by the manufacturer or its service agent or a similarly qualified person in order to avoid a hazard.
3. This 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 knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.
4. The heater must not be located immediately below a socket-outlet.
5. Do not use this heater in the immediate surroundings of a bath, a shower or a swimming pool.

6. 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.
7. 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.

In order to avoid overheating, do not cover the heater. Heater should not be located immediately below a socket-outlet.

## PART FIGURE



Oscillating    Timer    Function    Temperature    ON/OFF

## OPERATING INSTRUCTION


### Check before turning on the machine

1. Check if the power wire is under good condition.
2. The product adopts 220-240V AC power supply, before use, please confirm if the rated current of the power socket meets the local requirements with safe grounding device, otherwise, please replace it with the qualified socket.

Note: Fan will operate for 15 seconds after power off.

# OPERATING INSTRUCTION

## Start the machine

Startup of the machine can be conducted by pressing standby button (or pressing ON/OFF button on the remote) after power light “” is lit up. The machine will work under gear at last shutdown state with a light corresponding gear indicator light.

## Function setting

Circularly switch the following by pressing Function key on the whole machine/the remote after starting the machine: Low gear of normal mode → ECO energy saving mode → high gear of normal mode; Shortly press ECO button on the remote can switch into entering/exiting ECO energy-saving mode.

## Temperature setting

After booting, short press the temperature key on the machine or the "+ /-" key on the remote control to set the target temperature. The temperature setting is 18、21、24、27、30 °C. When the ambient temperature reaches the set temperature, the machine stops heating, and the current gear indicator flashes 15 seconds and returns normal; When the ambient temperature is lower than the set temperature, the machine heats normally.

NOTE: The temperature of ECO gear cannot be adjusted.

## Timing function

### a. Timed shutdown

Under startup state, shortly press Timer button on the whole machine/remote can set time for timed shutdown within 0-7 hours. It will shut down automatically when the set time is reached.

### b. Appointed startup

Under standby state, shortly press Timer button on the whole machine/remote can set time for appointed startup within 0-7 hours. It will shut down automatically when the set time is reached.

## Oscillating function

Under startup state, shortly press oscillating button to start/close oscillating function.

## Open/short circuit protection function of temperature sensor

When open circuit fault of temperature sensor exists, under any working mode, the "1h" indicator light will flash all the time and the buzzer will long ring 10 times; When short circuit fault of temperature sensor exists, the "2h" indicator light will flash all the time and the buzzer will long ring 10 times;

## High temperature protection

When environment temperature is higher than 50°C, all load output will be closed in the system. "1h, 2h and 4h" indicator light will flash all the time and the buzzer will long ring 10 times with invalid button pressing. When environment temperature is lower than 50°C, high temperature protection mode can be cancelled only after powering off.

## Protection for topple and fall

When the machine is dumping, the "1h, 2h" indicator light flashes all the time, the buzzer rings for 10 times, and the machine shuts down automatically. After the machine is straightened, the ON/OFF button needs to be operated again before the machine can resume normal operation.





## ECO energy saving function

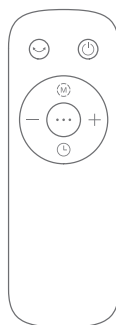
The default setting temperature is 24°C when ECO energy-saving mode is chosen. The heating gear will be chosen automatically based on relationship between environment temperature and setting temperature.

## Automatic power-off function

In the Power-on mode, if the timing power-off function is not opened, and without any operation, the whole machine automatically powers off after working continuously for 12 hours.

## Remote control

	ON/OFF key
	Function key
+	"+" key
-	"-" key
	Timer key
	Oscillating key
...	ECO key



MDY-35

## MAIN TECHNOLOGY SPECIFICATIONS

Power supply: AC 220-240V ~ 50Hz

MODEL	POWER REGULATION RANGE (W)					DIMENSIONS	NET WEIGHT
	LOW	HIGH	LOW OSC	HIGH OSC			
KH-222ER	1200	2000	1200	2000		196*196*452mm	2.35kg

## Troubleshooting

If the product does not operate or does not operate properly, first check according to the following list. If the reason the product does not operate or does not operate properly is not included in the following list, the product may have failed. At this time, it is recommended to send the product to the dealer for treatment.

Problem	Possible Cause	Solution
After the power is engaged, the machine does not work.	The plug may not be plugged well.	Check whether the plug is properly inserted into the receptacle.
The machine suddenly stops during heating.	The temperature exceeds the threshold of the thermal cut-off.	The system will automatically cut off the power supply. Cool the machine before use.

## **MAINTENANCE**

1. Always disconnect the core from the electrical outlet when cleaning your heater.
2. Light accumulated dust may be removed from the heater with a soft cloth or vacuum cleaner, using the dusting brush attachment; Interior dust can often be removed by using a vacuum cleaner in its blower mode with a crevice tool attachment.
3. Wipe the exterior surfaces of the heater occasionally with a cloth moistened (not dripping wet) with a solution of mild detergent and water. Dry the case thoroughly with a soft dry cloth before operating the heater.

**CAUTION:** Do not allow water to run into the interior of the heater as this could create a fire or electric shock hazard.

4. The fan motor is factory lubricated for life, and will require no further lubrication.
5. Store heaters in a clean and dry place when not in use.
6. No other user maintenance is required or recommended. If service is required, send your heater to the customer service center.

**ATTENTION:** Portable electric heaters are designed for spot heating, or as a supplementary heat source. They are not intended to be main sources of heat during the normal heating season.

There may be trace of smoke or odour when unit is first operated. Do not be alarmed. This indicates that a drop of oil fell on the heating coil during the manufacturing process. It will quickly evaporate and should not re-occur.

## **TIPS:**

1. Do not put heater at the place near the door or route area, in case it will kick down. Power cord cannot be disheveled.
2. Please turn off heater before leaving house or not use.
3. Please do not let child near heater to avoid any hazard. The family with child is not recommended to use radiant heater unless there is properly safeguard for protection, for red light of heating tube may easily attract child and they may be burned or may be hurt by electric current.
4. Do not put sundries into heater, it may cause heater unable to use and also have fire risk.
5. Do not place heater near curtain, bedding or cloth, which is flammable. When dressing long and loose clothes, be careful of the cloth might be burned when getting near heater.

1. Warning: In order to avoid overheating, do not cover the heater.
2. If the supply cord is damaged, it must be replaced by the manufacturer or its service agent or a similarly qualified person in order to avoid a hazard.
3. This 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 knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.
4. The heater must not be located immediately below a socket-outlet.
5. Do not use this heater in the immediate surroundings of a bath, a shower or a swimming pool.
6. 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.

In order to avoid overheating, do not cover the heater. Heater should not be located immediately below a socket-outlet.

## DISPOSAL:

Do not dispose of electrical appliances as unsorted municipal waste, use separate collection facilities. Contact your local government for information regarding the collection systems available. If electrical appliances are disposed of in landfills or dumps, hazardous substances can leak into the groundwater and get into the food chain, damaging your health and well-being.

