

KETKO capriTM

Electric Online Water Heater

CW-TF - 5.5 / 7.0 / 9.0

USER MANUAL | WARRANTY CARD



Please read and following the installation and operation instructions carefully, to ensure the long life and reliable operation of this appliance.

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Attention!

This is not a do-it-yourself project. Failure to have this appliance installed by a licensed plumber and electrician will void all warranties.

Under no circumstances should you attempt to install, repair or disassemble the electric instantaneous water heater without first shutting off all power to the unit directly at the circuit breaker box. Installation of this product is restricted to indoor locations only by licensed plumbing or electrical contractors.

Important Safety Instructions

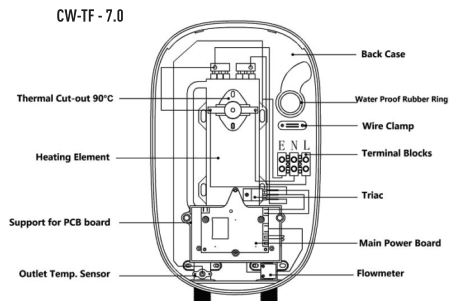
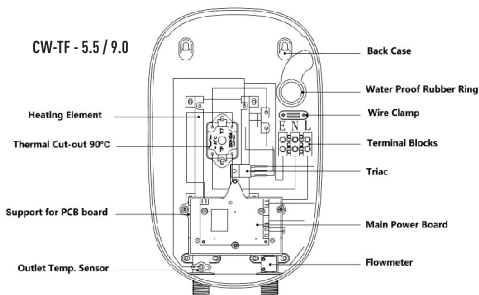
1. The installation must be in compliance with your local electrical and plumbing codes.
2. This appliance must be EARTHED.
3. All wiring and installation must be supervised by a qualified electrician.
4. This appliance can be used by children aged from 3 years and above and persons with reduced physical, 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.
5. This appliance **MUST** be permanently connected to the fixed circuit breaker and it must be installed vertically. **DO NOT** install this appliance near strong magnetic field place.
6. **WARNING: Do not switch on if there is a possibility that the water in the heater is frozen.** as this could result in serious damage to the unit. Wait until you are sure that it has completely thawed out before you switch it on.
7. Please feel the outlet hot water temperature with hand to make sure it is suitable for showering before taking shower to avoid getting scalded.
8. Before connecting pipes to the water heater hoses, it is extremely important to **FLUSH** the pipes to wash away all plumbing paste or residue in the pipes.
9. If there is damage to the wire, you must contact qualified electrician to replace it with dedicated wire from our authorized dealers.
10. The shower head should be cleaned and descaled periodically.
11. The regulation valve at water inlet should work periodically in order to remove calcium carbonate deposits.
12. The drain-pipe which is connected to the water relief valve should be installed continuous downward in frostless environment.
13. The spray head must be descaled regularly.
14. An all-disconnection device should be connected in fixed wiring.

Product Features

The electric instantaneous water heaters are incorporated with heating technology with multi-safety devices. Besides, the unit has the following features.

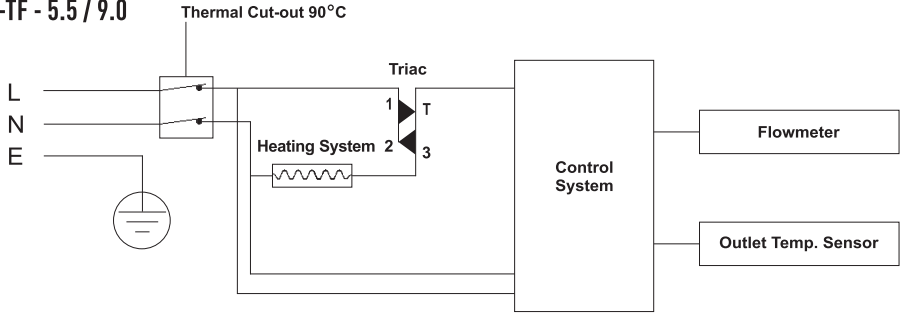
1. Instantaneous heating for on demand hot water, no pre-heating, no stand-by heating loss. energy-saving.
2. ELCB safety function, touch key for operation, LED lamp indicate the working condition and failure.
3. Stepless rotary knob to adjust outlet temperature, automatic thermostat.
4. Micro-computer control, adopting heating technology. Water is completely separated from electricity by multi-layers structure.
5. Overheat Protection: if the outlet temperature $\geq 65^{\circ}\text{C}$, the water heater will stop working until the outlet temperature dropped to 50°C , it will start to work again automatically.
6. Malfunction of sensor- when there is malfunction with the temperature sensor, the heater stops working and the red lamp will flicker.
7. Dry-heating thermal cut-off. When the heating temperature is over 90°C , the power will be cut off.
8. Micro-computer automatic electricity and water consumption calculating function.

Product Inner Structure

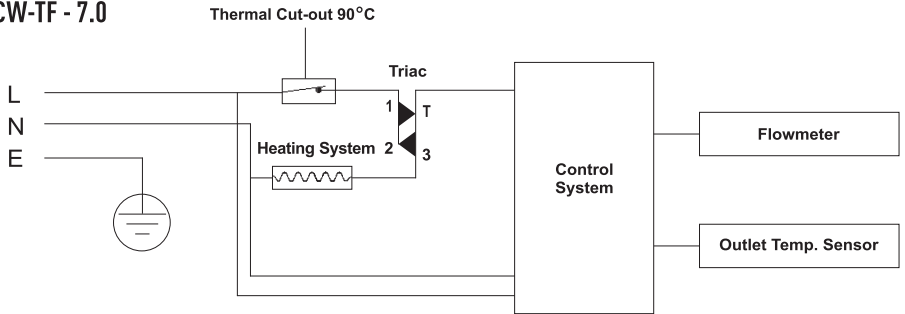


Electrical Diagram

CW-TF - 5.5 / 9.0



CW-TF - 7.0



Technical Data

Model	CW-TF - 5.5	CW-TF - 7.0	CW-TF - 9.0
Rated Power	5.5kW	7kW	9kW
Rated Current	23.9A	30.4A	39.1A
Connecting wires section	4mm ²	4mm ²	6mm ²
Rated Voltage	220V-240V		
Rated Pressure	0.6MPa		
Water Pressure	0.02-0.6MPa		
Min. Water flow to activate unit	1.5L/min.		
Safety class	IP25		
Temp. setting arrange	30°C-55°C		
Overheat protection	65°C		
Thermal cut-off	90°C		
Pipe section	G1/2"		
Product Size	338*211*72mm		

■ Installation Guideline

The installation must be in compliance with the National Electrical Code, your local electrical and plumbing codes.

1. Make sure the appliance is intact, and the fittings are complete.
2. Please make sure the main power supply, water pressure, grounding condition, ammeter and wire reach the standard of installation requirement.
3. The appliance must be connected to properly grounded dedicated branch circuits of proper voltage rating. Ground must be brought to the “ground” at the circuit breaker panel.
4. This appliance **MUST** be permanently connected to the fixed circuit breaker. If you don't use the heater, please switch off the circuit breaker.
5. **DO NOT** install this appliance near to tinder or strong magnetic field place. The unit must only be mounted in a VERTICAL position near by the water fittings. Please electrify the machine after getting through waterway.

■ Installation Method

● Fixed installation on the wall

Locate an appropriate place on a section of wall as above mentioned.

Fig 1 → Front and back of the appliance.

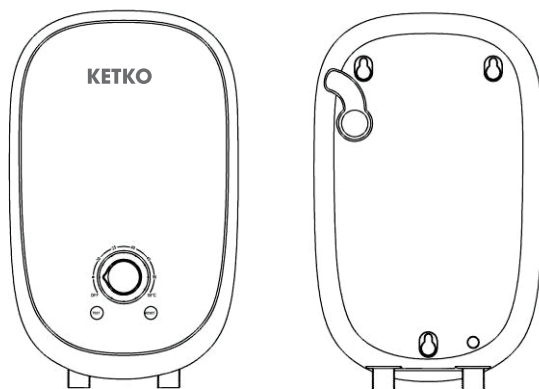


Fig 2 —————> Use the cardboard to make 3 mark for punching; then drill 3 hole with 6mm diameter, and insert 3 expansion screw in the wall and put 4*25mm self-tapping screw into the expansion screw.

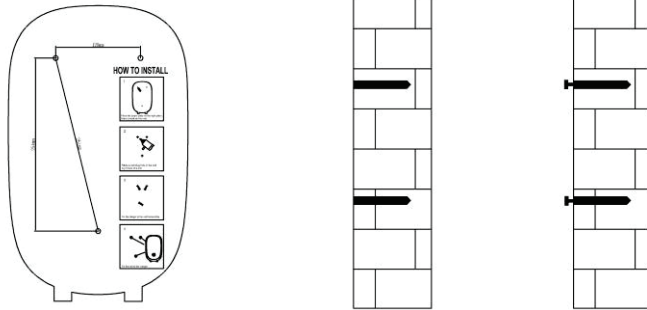


Fig 3 —————> Fix the appliance on the wall.

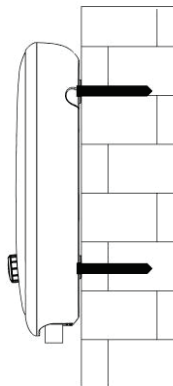


Fig 4 —————> Connect the water pipe to the water inlet and water outlet connections, please remember to install the rubber seal ring.



●Water connections




- 1, All water pipe must comply with national and applicable state and local water pipe codes.
- 2, The unit should be connected directly to the main water supply. Flush pipe with water to remove any debris or loose particles.
- 3, It is required that use G1/2 " water connections to fit all the models.
- 4, Please remember to install rubber seal rings at the connections. When all water connections are completed, check for leaks and take corrective action before proceeding.

●Electrical connection

- 1, All electrical work must comply with national and applicable state and local electrical codes
- 2, The unit must be connected to a properly grounded dedicated branch circuit of proper voltage rating.
- 3, The unit can be connected to a single circuit, use a supply cable protected by a double pole breaker
- 4, Before beginning any work on the electric installation, be sure that main breaker panel switch is OFF to avoid any danger of electric shock, all mounting and plumbing must be completed before proceeding with electrical hook-up.

■ Operation Instructions



1. Turn on the circuit breaker to bring electrical power to the unit.
2. Open water faucet for a few minutes until water flow is continuous and all air is purged from water pipes. The unit must be operated after the breakers are turned on.
3. Check ELCB (Earth Leakage Circuit Breaker) function:
After the unit is supplied with power, make sure there is no water supply, rotate the knob to OFF position


- Touch and hold on the key  for 5 seconds till the red LED lamp keep on. In test condition, the water heater is not available for working.
- Then single touch the key  to reset the water heater meanwhile exit the ELCB test condition, the red lamp should be off if the ELCB function is normal, if the red lamp can not be off while touch the , that means the ELCB function is abnormal. and the water heater is not available for operation.


5, Turn on water supply, then adjust the outlet temperature from 30-55°C by stepless rotary knob, the **BLUE** LED lamp keep on in normal working condition. If there is electricity leakage, the **RED** LED lamp keep on.


6, **Overheat Protection:** if the outlet temperature $\geq 65^{\circ}\text{C}$, the water heater will stop working until the outlet temperature dropped to 50 °C, it will start to work again automatically.

7, **Limit Max Working Power:** Make sure the water heater is supplied with power, but no water

supply, rotate the knob to OFF position, touch  and  at the same time and hold

on for 5 seconds, the LED lamp quickly flicker. Please touch  to limit the max. power,

the LED lamp appear color  and clicker quickly means limit power is 100% of the model power.

the LED lamp appear color  and clicker quickly means limit power is 80% of the model power.

the LED lamp appear color  and clicker quickly means limit power is 60% of

■ Trouble-shooting

Problems	Possible Causes	Corrective Actions
1. Inlet let and outlet fittings leaking	A. Fittings not tight B. Rubber washer worn-out	A. Tighten fittings. B. Change rubber washer.
2. Functional keys not working	A. Key or PCB damaged.	A. Change key or PCB.
3. No heating	A. Power supply is not normal B. Inlet Water flow is too low C. The rotary knob didn't point to correct position. D. Inlet filter net was blocked E. Flowmeter was blocked. F. Thermal Cut-out cut off. G. Built-in power regulator failed. H. Heating element failed.	A. Connect the power correctly. B. Increase inlet water flow C. Adjust the rotary point to correct position. D. Clean the filter net. E. Clean or contact local service to replace flowmeter F. contact local service G. contact local service H. contact local service
4. Water too hot	A. Too high temperature set. B. Water flow too small.	A. Set a lower temperature. B. Open valve bigger.
5. Outlet temperature can not reach setting temperature	A. Inlet temperature is too low, inlet water flow is too big. B. Outlet temperature sensor failed	A. Reduce the inlet water flow. B. Contact local service.
6. Outlet gives less water flow	Inlet strainer or shower clogged.	Clean strainer and shower.
7. No water comes out	Inlet filter net/flow meter is blocked	Clean the filter net/flowmeter
8. Red lamp keeps flickering	Outlet temperature sensor failed	Contact local service to replace outlet temperature sensor
9. Red lamp Remains on	A. Didn't reset the machine after operating "TEST" B. Electricity leakage	A. Touch "RESET" B. Contact local service
10. Blue lamp keeps flickering	Outlet temperature is over $\geq 65^{\circ}\text{C}$	Reduce outlet temperature or increase the inlet water flow

CUSTOMER COPY

WARRANTY CERTIFICATE

For registration of warranty 2 Years kindly follow the following steps:

1. Photo copy of purchase invoice
2. Photo copy of existing warranty certificate with serial number page
3. Original tear off attachment for warranty to be registered (completely filled with Dealer stamp)
4. Empty unused envelope with customer's self address and postage stamp

WARRANTY: Once registered, the customer copy card will be posted back. On receipt of this card, customer has to intimate our service centre(Tel No. / email on back page)

Note: This warranty is on spare parts and labour charges only and does not cover transportation expenses.

The customer has to courier the company copy (see overleaf) within 2 months of purchase to avail of warranty

Please inform the company after installation before use to verify correct installation and demo. Warranty void if this is not done and company is not responsible for any consequential loss or damage.

Please do not use CPVC pipes for internal and external connection at both the Hot and Cold water lines and the company is not responsible for pipes, tiles and any other damage connected to this unit.

Terms and Conditions :

- 1) Installation must be appropriate as mentioned in the Instruction Manual and Warranty Card and by an Authorized Person Only after taking into consideration the site conditions.
- 2) Within the 2 Year warranty period, if the product malfunctions or stops working due to above point no:1 not being implemented then the spare parts as well as labour charges are applicable at actuals and will not be covered under warranty.

Customer has to send this completed page to the company within 2 months of purchase



CUSTOMER COPY

WARRANTY CERTIFICATE

This is not valid without dealer stamp and invoice copy

Customer Name:

Address:

.....

.....

.....

Tel :..... Mobile No:.....

Email :.....

Invoice No:

Invoice Date:

Serial No:

Dealer Stamp

Product Details

Customer has to send this completed page to the company within 2 months of purchase



COMPANY COPY

WARRANTY CERTIFICATE

For registration of warranty 2 Years kindly follow the following steps:

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COMPANY COPY

WARRANTY CERTIFICATE

This is not valid without dealer stamp and invoice copy

Customer Name:

Address:

.....

.....

.....

Tel :..... Mobile No:.....

Email :.....

Invoice No:

Invoice Date:

Serial No:

Dealer Stamp

Product Details

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■ Normal Maintenance

Note: Do not attempt to repair this water heater yourself, call a service person for assistance. Always shut off the power supply while operating maintenance.

To ensure consistent water flow, it is recommended following maintenance.

- 1, Periodically remove scale and dirt that may build up at the aerator of the faucet or in the shower head.
- 2, There is a built in filter screen at inlet connection which should be cleaned from time to time. Please turn off the water flow before doing this.

■ Correct disposal of this product

	<p>This symbol on the product, or in its packing, indicates that this product may not be treated as household waste. Instead, it should be taken to the appropriate waste collection point for the recycling of electronic equipment, By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by the inappropriate waste handling of this product. For more detailed information about the recycling of this product, please contact your local council, your household waste disposal service, or the shop where you purchased the product.</p>
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■ Packing List

Item	Unit	Quantity
Electric Water Heater	Unit	1
Operation and Installation instructions	Copy	1
Screw sets	Set	1

KETKO PRODUCT RANGE

KETKO eva™
INSTANT WATER HEATER



KETKO eva™
INSTANT WATER HEATER



KETKO eva™
INSTANT WATER HEATER



3 Litre Horizontal

KETKO magnus™
STORAGE WATER HEATER



KETKO gas
GAS WATER HEATER



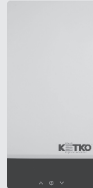
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DIGITAL INSTANT WATER HEATER



KETKO capri™
DIGITAL INSTANT WATER HEATER



KETKO capri™
Online 13/18 kW



KETKO capri™
Online 21/24 kW



KETKO solar
SOLAR WATER HEATER



SINCE 1941
KETKO™
Engineered to perfection

ELECTRIC | GAS | SOLAR
— WATER HEATERS —

Ketko San Pvt. Ltd.

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Engineered to perfection

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