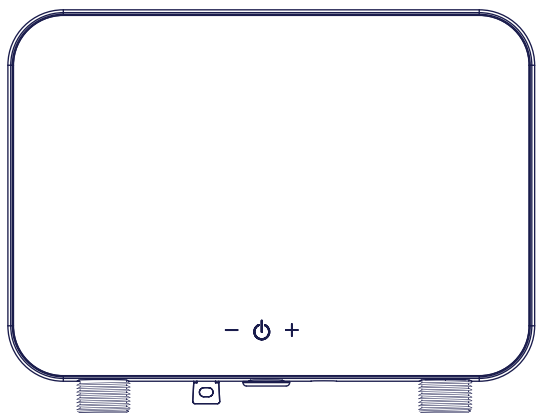


Instantaneous Electric Water Heater

Tru-Heat Series

Installation and Warranty Manual



Model:
KEI6-NOVA

Instantaneous Electric Water Heater
Tru-Heat Series



360°
Installable



Multiple Hot
Points



2 Year
Warranty

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This manual is printed on recycled paper. The appearance, colour, or pattern of the water heater may vary from the actual product. Our products are continuously updated, and changes may be made without prior notice.

Safety Precautions

Dear customer(s):
Thank you for choosing our product. To help you better understand this manual and use the product effectively, and to prevent personal injury or property damage, please carefully read and follow the safety symbols and instructions provided in this manual.



Forbidden

Actions or operations that are strictly prohibited.



Warning

Violations may result in serious personal injury or death.



Caution

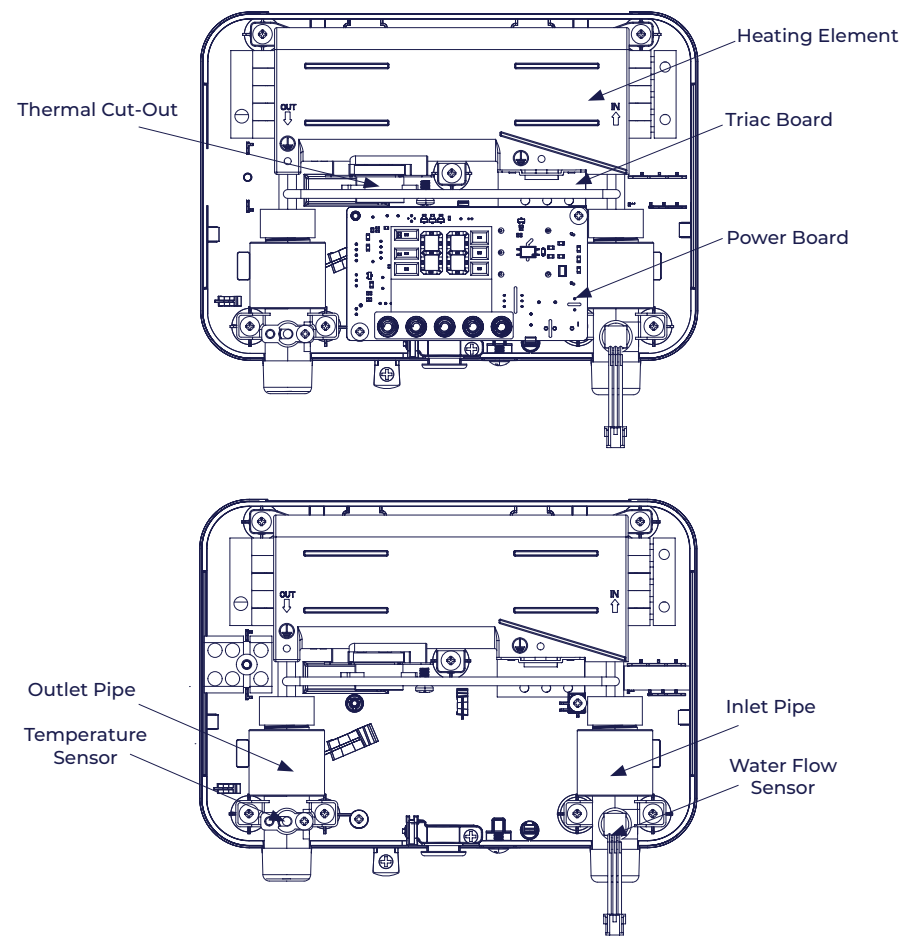
Actions or operations that must be followed.

Safety instructions (to be followed at any time)

	In case of any abnormality or scorching smell of the water heater, please switch off the power supply immediately and contact the service centre.		Make sure to use an independent power supply. Because of the high power of this electric water heater, in order to ensure the normal operation of it and the electrical safety, the power supply circuit breaker matched with the water heater must be used during installation.
	Do not touch the power supply with wet hands, so as to prevent it from getting wet by water. If it is wet by accident, it must be inspected and confirmed by the professional personnel appointed by our company before reuse to prevent electric shock.		In order to ensure safety, the power supply of the water heater should be reliably earthed, otherwise, it is strictly prohibited to use the water heater. The test pencil should be used to determine whether the live wire and the neutral wire are connected reversely.
	Please install the water heater on a firm wall.		Do not install the water heater on the floor or in a place without drainage.

	Do not place inflammable and explosive articles near the water heater.		In case of stoppage of the water heater for a long time, please switch off the power supply and close the water inlet valve.
	During installation or maintenance, live operation is strictly prohibited.		This appliance is not to be used for a potable water supply.
	Non-professional maintenance personnel are forbidden to repair, maintain, disassemble or reform the water heater without authorization.		Be careful not to be scalded by hot water. · Do not touch the valves and pipes supplying hot water. · Be sure to test and confirm the water temperature before use, and then use the water heater after the water temperature is suitable.
	Please check whether ammeter wire and other wire diameters meet the rated current of the water heater. If necessary, ask a qualified electrician to check the wire.		Do not use the hot water from the water heater directly as drinking water or for similar purposes.
	It is strictly forbidden to install the water heater outdoors.		The appliance is not to be used by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction. Children being supervised not to play with the appliance.
	It is strictly forbidden to install the water heater in an icing environment, because icing will cause the container and water pipe to break, resulting in scald and water leakage.		The product is appliance intended to be permanently connected to the water mains and not connected by a hose set.
	Do not switch on if there is a possibility that the water in the heater is frozen.		If the power cord is damaged, it must be replaced by the manufacturer, maintenance department or full-time personnel to avoid danger.

Introduction to Components



Packing List

Component Name/Model	Water Heater (Set)	Manual (Pcs)	Small Accessory Bag (Pcs)
KEI6-NOVA	1	1	1

Due to constant research and improvements, the product reserves the right to change each component of it. Please understand that no further notice will be given.

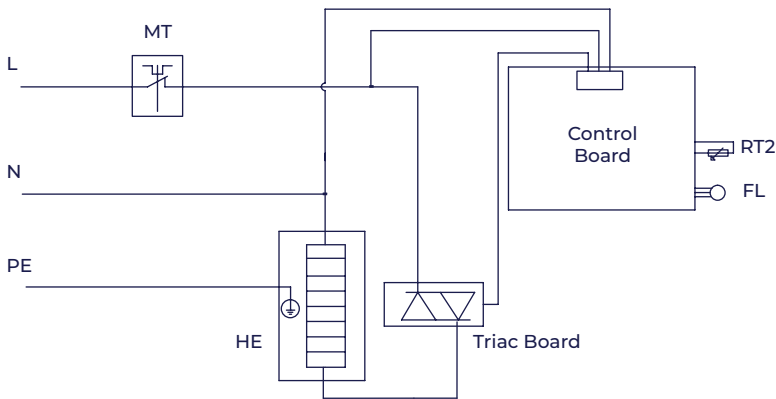
Technical Parameter

MODEL: KEI6-NOVA	
Rated Voltage	230V~
Rated Power	5,7kW
Rated Frequency	50Hz
Waterproofing Grade	IPX4
Rated Pressure	600kPa
Start Flow (L/min)	1.8
Power Line Requirements (mm²)	4mm²
Set Temperature (°C)	30-55
Product Size	228mm x 160mm x 49mm

Note: The allowable error range of the above parameters (weight and size) is ±10%.
The diagram is for reference only, please see the physical object for details!

Electrical Schematic Diagram

- FL: Flow Sensor
- MT: Thermal Cut-Out
- HE: Heating Element
- RT2: Water-out Sensor



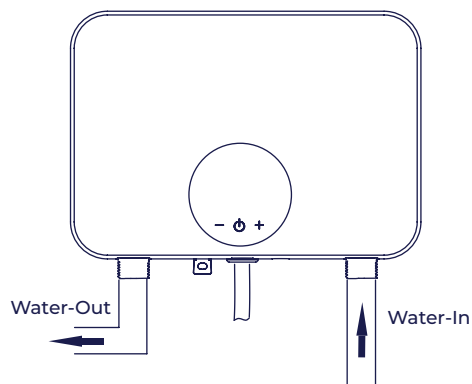
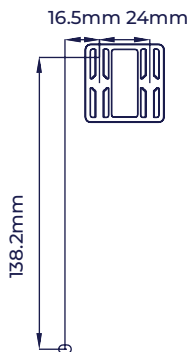
Installation Guide

Precautions for Installation

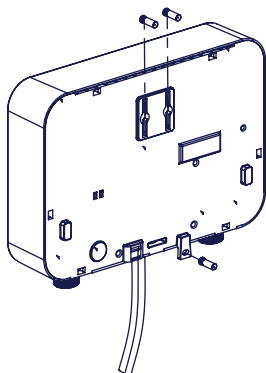
1. The load-bearing wall for installing the water heater should be able to bear fourfold the weight of the water heater filled with water.
2. The water heater should be installed indoors and in a non-icing place, with pipes arranged centrally. The hot water outlet should not be too far away from the hot water use point. If the distance exceeds 2m, the hot water pipe should be insulated to reduce heat loss.
3. The water heater should be installed in a place that is convenient for use and maintenance and has a sewer to ensure that surrounding or lower facilities cannot be damaged when water heater or water pipe leaks. Please do not install the water heater in a place that can be sprayed directly or is prone to icing.
4. Because of the high power of this water heater, before installing the water heater, please carefully check whether the ammeter and power wire diameters and fuse meet the rated current and voltage requirements of this water heater. If necessary, please ask a professional electrician to check the circuit.
5. Do not connect the water-in and water-out pipes reversely.
6. To ensure safety, the water heater should use the standard single-phase circuit breaker. Because the water heater requires a large current, the incoming power supply of the water heater must be directly connected with the circuit breaker, and the power plug should not be used.
7. The test pencil should be used to determine whether the live wire and the neutral wire are connected reversely.
8. Please ensure that the water pressure of tap water is not less than 20kPa, and the maximum pressure is not more than 600kPa.
9. The water inlet of this appliance shall not be connected to inlet water obtained from any other water heating system.

Installation Steps of Product

1. When installing on the wall, first confirm the installation position of the water heater, and drill three holes on the load-bearing wall with an impact drill. The holes matched with the expansion bolts have a hole spacing as shown in the figure below.
2. Insert three expansion bolts into three holes respectively, and fix the installation board on the wall with the bolts.



3. Lift the water heater, insert the upper two bolts to install the hanging hole, and then use the bolts to pass into the back shell. Lower bolt hole, fasten the bolt. (see figure below)
4. After the waterway installation is completed without leakage, proceed with the circuit installation.



5. Select the appropriate single-phase isolator or circuit breaker according to the power of the water heater. The wire needs to be connected to the water heater through the circuit breaker. Please pay attention to distinguishing the live wire (brown/red/black) when connecting Colour), neutral wire (blue), correctly connect to ground wire (yellow-green).

Note: First, open the outlet valve of the water heater, then open the inlet valve until there is even water flowing out of the outlet. At this time, close the water outlet valve and check whether the waterway is leaking. If there is a leak, the connection where the leak occurs needs to be repaired. Check again.

User Guide

Precautions for Use

1. Hot water above 50°C may cause scalds. Please adjust the water temperature to a suitable temperature before you and your families, especially children, use it.
2. In the case of enough hot water, try to lower the set temperature (power) to reduce heat loss, high temperature corrosion and scaling and prolong the service life of the water heater.
3. The appliance is a closed water heater, and the water outlet needs to be equipped with one valve to control the water flow.
4. Please do not place any flammable article such as gasoline near the water heater, otherwise it may cause accidents such as fire.
5. It is normal that white turbidity appears in water from the water heater, because the pressure of dissolved air in the water decreases after being heated and expanded, resulting in overflowing of bubbles (like beer bubbles), which are pollution-free and harmless.
6. The water discharged from the water heater (including the water heated at high temperature) cannot be drunk.

Note: It is normal that the temperature changes arising from change of water-in flow during heating.



Operation Manual



Button Description:

- ⏻ Switch
- Temperature Decrease
- + Temperature Increase

Display Description:

- °C Temperature unit icon (Flip according to machine installation)
Light up icons in different positions.
- ☀ Heater Status

1. Power on and off ⏻

In the power on state, the water heater will be power **off** by pressing this key. In the power off state, the water heater will be power **on** by pressing this key.

2. Temperature Adjustment Key

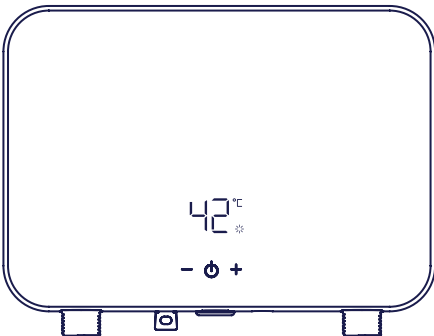
Each time the “+” key is pressed to set the temperature, it will increase by 1°C. The display screen flashes at the current temperature, and the temperature can be set to an upper limit of 55°C. Each time you press the “—” key to set the temperature, it will decrease by 1°C. The display screen flashes at the current temperature, and the temperature can be set to a lower limit of 30°C. Memorize the temperature before power failure after power failure and restart.

3. Heating Logic

In the power on state, when the water flow is $\geq 1.8\text{L/min}$, the heating can be started. When the water flow is $\leq 1.5\text{L/min}$, the heating must be stopped. In the stable state, the return difference of constant temperature is $\pm 1^\circ\text{C}$.

4. Inverted display

The 88 and °C in the machine display screen will flip over with the installation direction as shown in the figure below.



Mounting Option 1



Mounting Option 2

Troubleshooting

Problem	Fault	Solution
No water or less water	1. Is the water supply switch off or water switch not turned on for the water supply system?	Wait for water supply to resume or turn on the water switch.
	2. Is the filter screen of tap water pipe or water-in pipe or flow control valve filter screen blocked?	Carry out inspection and clean or replace the filter screen.
Low water-out temperature	1. Is the power supply on or power supply switched off?	Turn on the power supply or wait for the power supply to resume.
	2. Is the set temperature too low?	Increase the set temperature.
	If not 1 or 2?	Please contact after-sales personnel.
Display fault code on display screen	EH	Please contact after-sales personnel.

Cleaning and Maintenance

Cleaning

1. Be sure to switch off the power supply before cleaning the water heater.
2. Dip a small amount of neutral detergent with a damp cloth and wipe the water heater gently.
 - Gasoline or other solutions are not allowed.
 - Finally, dry the water heater with a dry cloth to keep it dry.
 - Do not scrub with detergents containing abrasives (such as toothpaste), acids, chemical solvents (such as alcohol), or polishes.

Not used for a long time

If you need to stop using the water heater for a long time, take the following steps:

1. Switch off the power supply.
2. Close the tap water valve.
3. When reusing the water heater:
 - Carefully check all components are in good condition.
 - Check whether pipes leak before turning on the power supply.
 - Open the hot water valve before switching on power to exhaust any gas in the pipeline.
 - Do not smoke or use open flames near the opened valve.
 - Ensure the pipeline is filled with water before putting the heater into use.

Technical Specifications

MODEL: KEI6-NOVA	
Trade Mark	Kwikot (Haier) SA Pty Ltd
Load Profile	XS
Energy Efficiency Class	A
Energy Efficiency(%)	35.91
Sound Power Level Indoors (dB)	15
Annual Electricity Consumption(kWh)	514
Thermostat Temperature Setting (C°)	55
Daily Electricity Consumption(kWh)	2.410

The power consumption data in the table is defined in relation to EU Directives 812/2013 and 814/2013.

The products without the label and the data sheet for water heaters and solar devices, stipulated in regulation 812/2013, are not intended to be used in such assemblies.

This appliance is conforming with the international electrical safety standards IEC 60335-1 and IEC 60335-2-35. The CE marking of the appliances attests its conformity to the following EC Directives, of which it satisfies the essential requisites: - LVD Low Voltage Directive: EN 60335-1, EN 60335-2-21, EN 60529, EN 62233, EN 50106. EMC Electro-Magnetic Compatibility: EN 55014-1, EN 55014-2, EN 61000-3-11, EN 61000-3-12. (The appliance with a rated current above 16 A complies with the requirements of IEC 61000-3-3 and therefore is not subject to conditional connection.)

(The appliance with a rated current above 16 A complies with the requirements of IEC 61000-3-3 and therefore is not subject to conditional connection.)

- RoHS2 Risk of Hazardous Substances: EN 50581.
- ErP Energy related Products: EN 50193.

The Electric Instantaneous Water Heater KEI6-NOVA can be connected only to a supply with system impedance no more than 0.013 Ohm.

! Through poor conditions of the electrical MAINS, quick voltage drops can appear when starting the EQUIPMENT. This can influence other equipment (eg. blinking of a lamp). If the MAINS-IMPEDANCE $Z_{max} < 0.013 \text{ Ohm}$, such disturbances are not expected. (In case of need, you may contact your local supply authority for further information).

To Validate the Warranty (Please register online)

Kwikot (Haier) SA Pty Ltd warrants that its Instant Water Heaters are free from manufacturing defects. This is the only warranty given by Kwikot in respect of its Instant Water Heaters.

Kwikot gives no other warranty or representations, unless where explicitly implied in writing by authorized Kwikot personnel. No amendments or additions to the warranty shall be binding on Kwikot. Kwikot makes no warranty or representation in respect of the installation of instant water heaters. Claims in respect of the instant water heater installation must be referred to the applicable installer, who shall be solely liable under any installation warranties given.

The installer is liable to advise the end user whether the respective instant water heater purchased is fit for purpose in the environment it is intended to be used and the correct size water heater is to be recommended for the end users required usage. The two year warranty covers the instant water heater only and does not cover any other part or parts used in the installation, which may become damaged as a consequence of the failure or defect of the instant water heater.

Kwikot will repair, or at its own discretion, replace the faulty part with a new or re-manufactured one. The two year warranty period will be calculated from the date of purchase or the date of installation of the original instant water heater.

If Kwikot carries out repairs or replacements, the warranty will not start afresh or be extended, irrespective of how many repairs or replacements are carried out. Components removed during warranty repairs, will remain the property of Kwikot.

Warranties are applicable only in South Africa, Namibia, Botswana, Swaziland and Lesotho and are subject to instant water heaters being used for water, which is of the quality equivalent to SANS 241 drinking water quality.

Damage due to freezing is not covered under warranty. Please see manual for more information on protecting the unit.

A warranty will only be honoured if:

- The applicable warranty is still in force/valid.
- The instant water heater is installed, used and maintained in accordance Kwikot specifications and instructions.
- Where applicable, all other products used in the installation must comply with SANS. Non-compliant SANS products will result in forfeiting the warranty.



Notes

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

Notes

This image shows a full page of blank, lined paper. It features approximately 20 horizontal blue lines spaced evenly across the page, typical of notebook or composition paper. The lines are thin and light blue, set against a plain white background. There are no margins, text, or other markings on the page.



www.kwikot.com

Support



Warranty and Service Support
za_insure@kwikot.com
0861 594 568



Admin, Marketing and Product Queries
kwikot.marketinginfo@kwikot.com



Sales and Payment Queries
za_salesorders@kwikot.com
011 897 4600



Technical Queries
technical.info@kwikot.com

Branches

Gauteng
3 Aberdeen Road,
Industrial Sites,
Benoni

Western Cape
15 Purdey Road,
Sheffield Business Park,
Phillippi, Cape Town

KwaZulu-Natal
814 Peter Close,
Springfield Park,
Durban

Eastern Cape
39-41 Leadwood Crescent,
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RECYCLE