ORA SPARK

USER MANUAL

Intelligent Under-Sink Water Dispensing System

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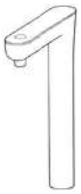
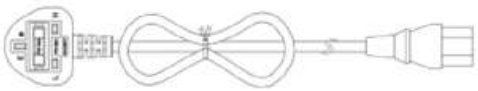
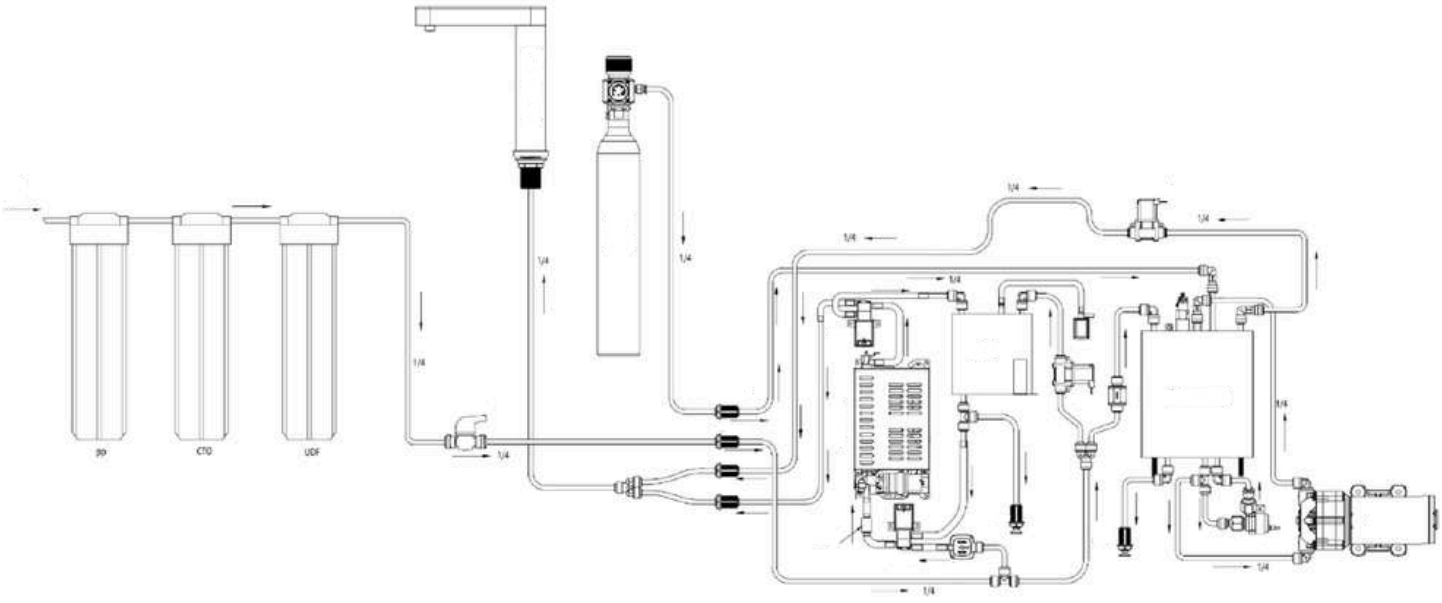
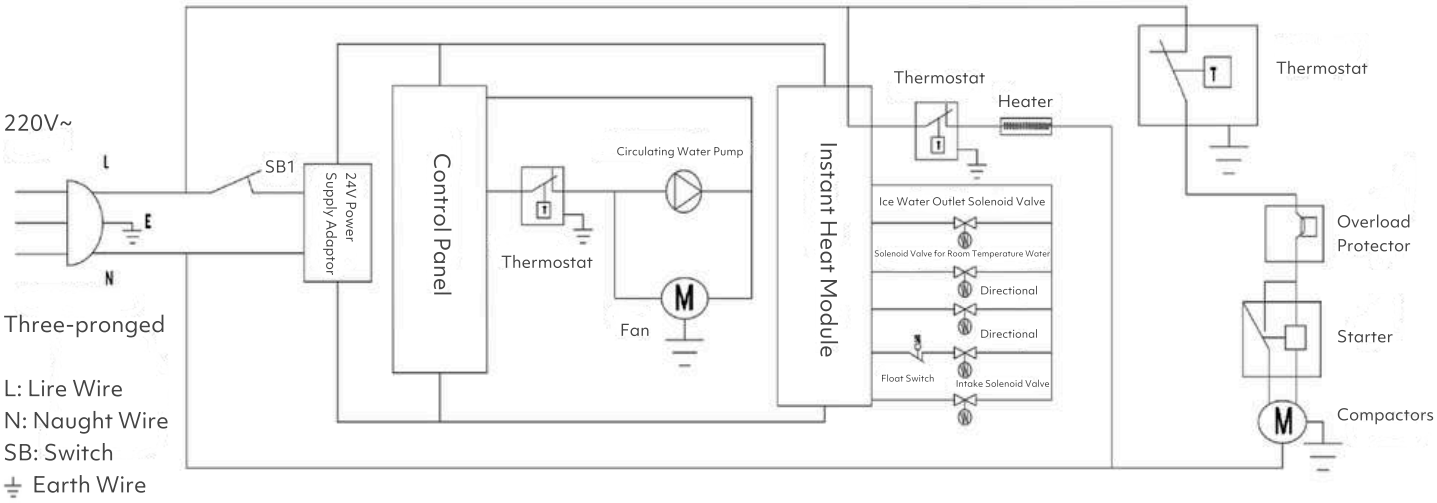
2	Intelligent Electronic Temperature Control Faucet		1
3	Power Cable		1

Water Circuit Schematic



Electrical Schematic



PRODUCT OVERVIEW

Product

The KLOUD Ora Spark is used to produce instant hot water, ice water and soda water. It is mainly suitable for supplying home kitchen, restaurant, water bar and other scenes. The set includes components such as Water Dispenser, Intelligent Electronic Temperature Control Faucet and Power Cable.

Product Working Environment & Conditions

1. Ambient Temperature ≤ 43°C
2. Inlet Water Temperature ≤ 25°C
3. Purified Water Pressure Range: 0.12~0.5 MPa
4. CO_2 Pressure Range: 40~60 PSI

Power

1. Heating Power (instantaneous heat)
   a. Rated Power: 2300W
   b. Rated Current: 9A
2. Cooling Power
   a. Rated Power: 200W
   b. Rated Current: 2A

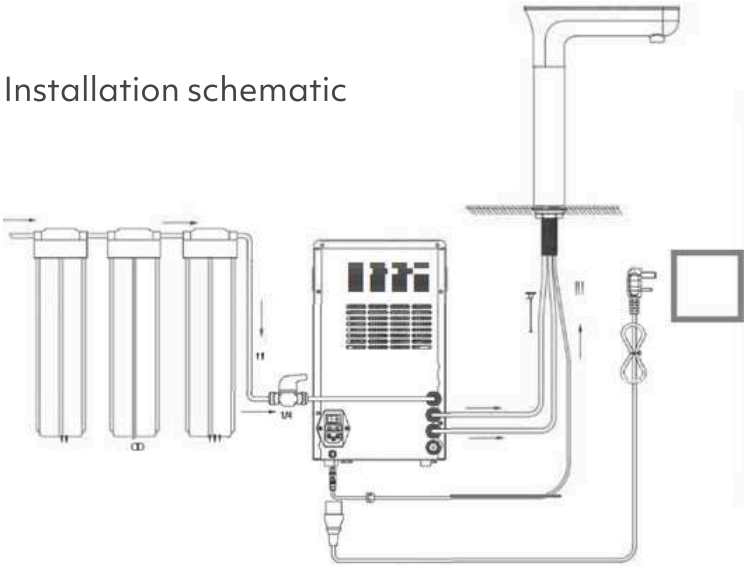
TRANSPORTATION & INSTALLATION INSTRUCTIONS

Transportation and Placement

1. Transportation: Do not place upside down, sideways, vibrate Water Dispenser. Moving tilt angle should not be greater than 45°.
2. The power supply used for the Water Dispenser must be consistent with the power supply calibrated in the manual, and use a separate standard three-hole socket (1 OA or above), and the socket must be grounded.
3. The plug must be kept clean, safe to insert the bottom, not easy to fall off. Plug and unplug the power supply to hold the plug, do not squeeze the power cord, and do not use the damaged power cord, plug and socket.
4. The Water Dispenser is strictly prohibited to store flammable and explosive dangerous goods and corrosive acids and alkalis and other items.
5. During the process of using, if you find numbness, abnormal sound, odor, smoke and other abnormal phenomena, please disconnect the power supply and shut off the water valve to stop using, and immediately contact the company's after-sales department.
6. The waterproof grade of the Water Dispenser is IPXl, do not put the container with water on it. It would affect the insulation properties of the Water Dispenser, resulting in electric shock or fire, when it was broken.
7. The Water Dispenser can not be stacked around flammable items, cooling holes can not be blocked, you need to leave enough space for the machine to dissipate heat.
8. Do not disassemble, repair or manufacture without authorization. After power failure, unplug the power supply for at least 3 minutes before reconnecting the power supply.

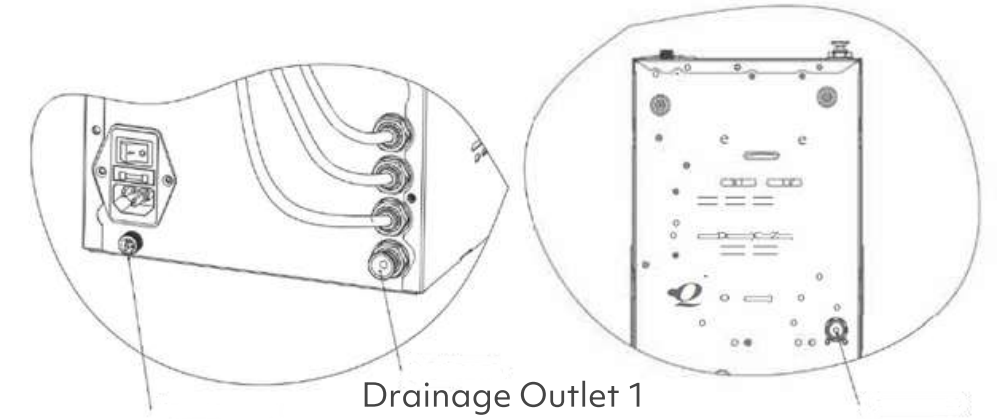
Installation Instructions

Installation schematic



WARM TIPS: For the first time use, after the pipeline being connected, open the water inlet valve switch first. Then plug in the power supply, turn on the power switch, click the faucet' s ice water button. Wait until the water's outlet becomes smoothly. Finally turn on the refrigeration button on the host.

Mainframe Cleaning Instructions



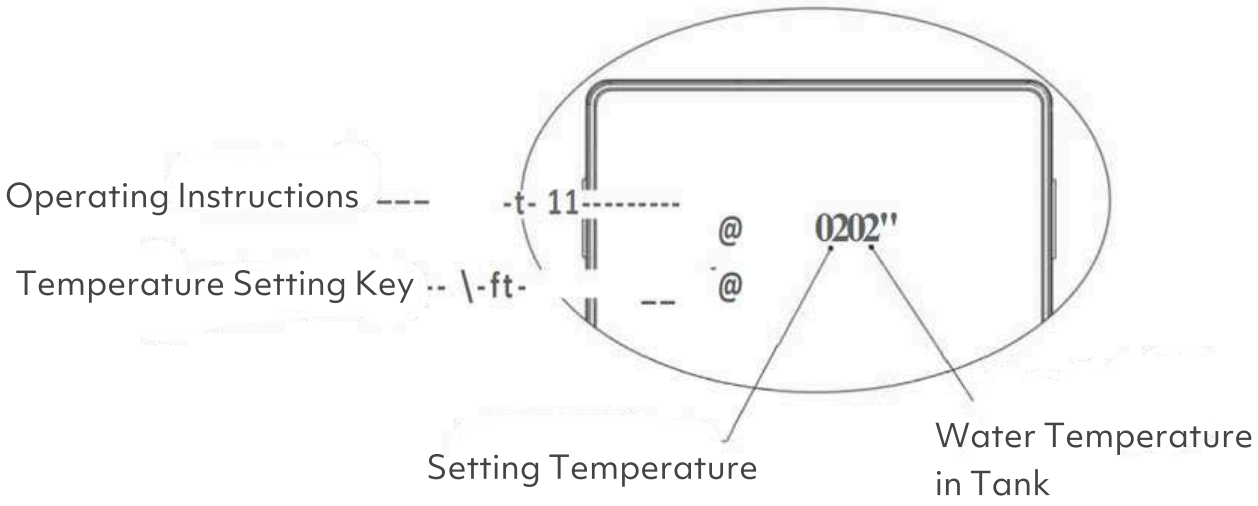
1. For cleaning the water tank, close the water inlet valve first. When the ice water is running our, with no water coming out from the faucet, unplug the power supply. At that time, there will be no pressure in the cold tank, unplug the cold tank drain 2 plug, insert the PE pipe, and then unplug the drain 1.
2. When no water comes out of the drain port 2, insert the plastic plug into the drain port 1.
3. Open the water inlet valve switch, the drain port 2 starts to drain, wait for 5 minutes, close the water inlet valve switch, remove the 2-minute PE pipe and insert the plastic plug.

INSTRUCTIONS FOR USE

Instructions For First Use

1. Stand upright and lay flat the Water Dispenser and tum on the power. Check whether the compressor is running. 15 minutes after the start, check the temperature of the shows on the Water Dispenser if there is a decrease.
2. Normal temperature range: when the water temperature reaches 2 °C, the compressor automatically stops. When the water temperature reaches 5 °C, the compressor automatically starts.
3. Power supply: 220V-240V, 50HZ single-phase AC power supply, the Water Dispenser should use a separate power outlet and in the power supply, the line to install 15A fuse. Installed in a place with a lot of water vapor, in addition to the grounding wire, but also installed leakage protection switch.
4. Power cord should not be replaced arbitrarily, to prevent high temperatures lead to the failure of the absolute strict, causing the danger of leakage. Power cord and Water Dispenser is "Y" connection, if damaged, to avoid danger, should be replaced by professional maintenance personnel using professional maintenance tools. The power cord should not be squeezed by the Water Dispenser or other objects to avoid damage to the power cord and accidental safety incidents.
5. When using for the first time, first fill the ice water tank with water before turning on the machine.
6. Inlet water pressure 0.12 MPa - 0.5 MPa, inlet water temperature S 25 °C; ambient temperature: 35 +/-3 °C, ambient humidity 60% +/-10%.

Operating Instructions

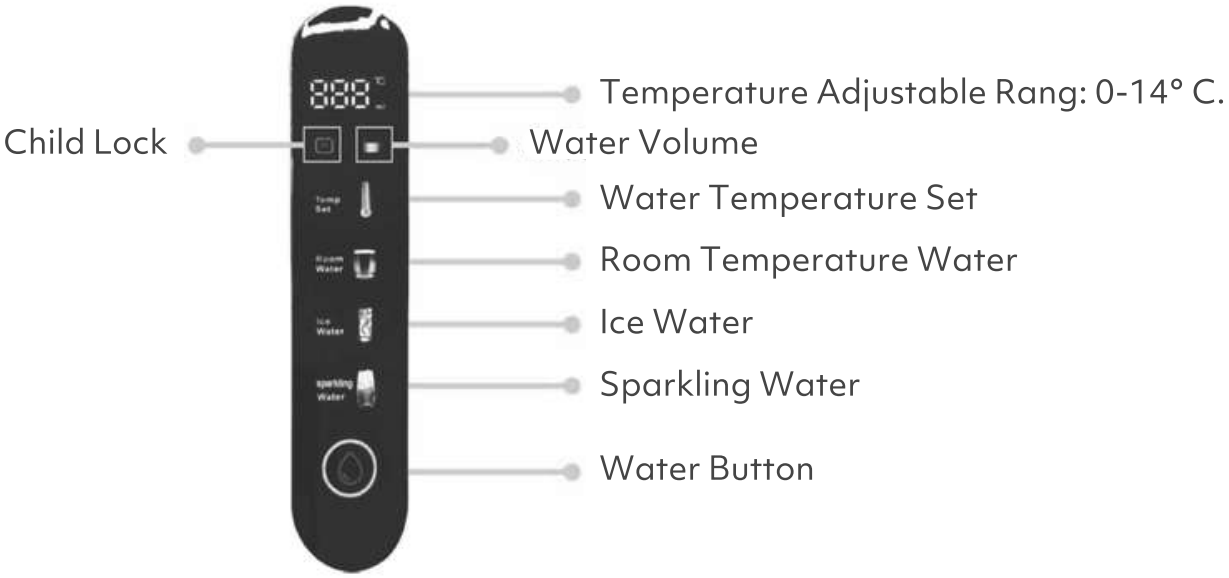


1. Control Temperature Adjustment: Touch <Temperature Setting Key>, the display of the Setting Temperature into a blinking state, touch <Temperature Setting Key> again, the Setting Temperature rises by one degree. The Setting Temperature will rise to 14° and jumping back to the lowest Setting Temperature 0° C if the <Temperature Setting Key> is continuously touched.
2. Temperature Adjustable Rang: 0-14° C.

Precautions

1. Protection for continuous water: soda water standard water output is around SL/ H. To ensure the safety of the machine, when the soda water in S minutes continuous outputting for more than SL, the compressor automatically enters the hibernation mode to stop the water intake, the faucet may cause the outlet of the gas only with no water. Turn off the power and restart the machine after 3 minutes may fix this protection.
2. Note for Faucet using safety: When the faucet output hot water, be careful of the hot water avoiding scalding. Do not switch to sparkling water immediately after using hot water to avoid hot water splashing out of the faucet due to water pressure and carbon dioxide solubility.
3. Influence of inlet water pressure: When the inlet water pressure is lower than 0.12 MPa, problems such as small water flow, discontinuous water dispensing would happened. When water pressure is higher than O.SMPa, there would be problems, like faucet dripping.

Intelligent Electronic Temperature Control Faucet Instructions



1. Power On:

The faucet will power on after the faucet cable being connected. The screen lights up and shows three lines. The water volume defaults to 200ml, and the mode defaults to room temperature water.

2. **Water Temperature Adjustment:**

   Water temperature selection: 45 °C; 65 °C; 85 °C; 100 °C. 4 grades of water temperature. Default temperature is room temperature water when the Water Dispenser boots. If you need to set water temperature, click the temperature setting button. The digital screen will show the corresponding temperature, and then press the water outlet button (the light on the faucet will flash after selecting), the temperature settings need to be lifted the child lock before you can choose; The temperature will automatically switch to room temperature water after 10s when the hot water is running out. The child lock lights on at the same time.

3. **Water Quantity Adjustment:**

   Press the water volume key to control the amount of the water. 4 grades can be selected: 200ml, 400ml, 550ml, 700ml. Once the amount of water being set, the system automatically remembers this set for next time. (The Normal temperature water is set to run within 60 seconds)

4. **Child Protection:**

   Child lock key is always on. You need to press the child lock shortly to lift it, when you take the hot water.

5. **Standby Status:**

   The screen enters standby rest mode when there is no operation for 30 seconds. Changing into standby status, the child lock lights up and the temperature automatically switches to room temperature, while the rest of the lights tum off Press the child lock shortly to wake up and restore the boot interface. With in standby status, if you press the water button, you will get the room temperature water, waking up the screen at the same time.

6. **Water Button:**

   Water button is mechanical light touch. The light flashes after you press the water button. And the light will be off when the water stops running. When the water is running, one of the light on the faucet flashes corresponding to the type of selected water, while the rest of lights which stands for the other types of water will be off state. And meanwhile, water button light also flashes.

7. Forced Drainage Operation:

At room temperature, long press the water button for 5 seconds to enter a forced drainage operation, which empties all the water inside the tank. Forced drainage Operation lasts maximum length of time set to 150 seconds. After 150 seconds, regardless of whether the water inside the tank is empty, the system automatically stop this mode. The process of forced drainage can be stopped by pressing any other buttons on the faucet.

8. Digital Screen:

The digital screen shows the amount of outcoming water when it runs ice water. The digital screen displays the water temperature and the amount when it runs boiling water (45 °C, 65 °C, 85 °C, 100 °C). Temperature and the amount of water switched on the display.

9. Fault State Faucet Display:

No.	Fault Codes	Problems	Note
1	E2	Water outlet temperature sensor disconnected circuit or short circuit failure	With no hot water
2	E4	Heating circuit failure	With no hot water
3	ES	Freeze/temperature of water inlet: S1 °C	Stop working
4	H1	Water inlet detection sensor (shorted or disconnected) failure	With no hot water
5	H2	Voltage sensors failure	Relief after the failure being fixed
6	H3	Ultra-high temperature protection/ thermostat disconnected	With no hot water
7	E7	Water level switch failure/shorted or disconnected failure	With no hot water
8	E1	Water shortage alarm	Stop working
9	E6	Communications anomaly	Stop working

No.	Fault Codes	Problems	Note
10	H4	Heat pipe NTC disconnected failure	With no hot water
11	HS	Abnormal zero crossing signal	With no hot water
12	H6	Heat pipe over-temperature alarm	With no hot water
13	H7	Heat pump (short or disconnected) failure	With no hot water
14	HS	High operating current of electric pump	With no hot water
15	H9	Anti-drying failure	Relief after the failure being fixed and restarted

KLOUD

Ora Spark

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