



## OWNER'S MANUAL

Smart Faucet & Hydrogen Unit

Model: F4

## F4 Smart Hydrogen Faucet & Hydrogen Box

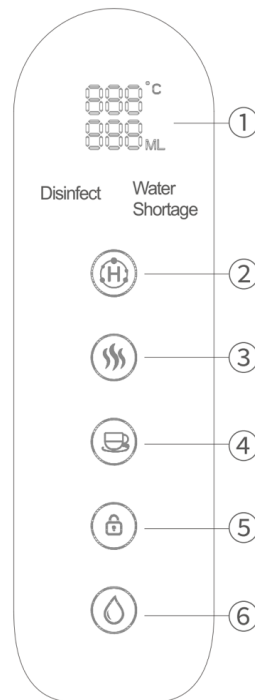
### 1. Product Features

The Smart Faucet features a sleek and modern design, combining both style and functionality. Its compact and ergonomic build makes it suitable for various settings, providing both aesthetic appeal and practicality.

Functionally, the Smart faucet offers a range of features designed to enhance efficiency. These functions include:

1. LED display for easy navigation and water monitoring
2. Hydrogen production capability providing hydrogen-rich water to enhance health
3. Precise temperature control for maintaining the desired water temperature
4. Water volume display for accurate water-quantities
5. Child lock feature to prevent accidents and ensure safety
6. Water outlet switch for convenient control of water dispensing

### 2. Product Functions



① LED Display

② Hydrogen Production

③ Temperature

④ Quantity

⑤ Child Lock

⑥ Water Flow

Additionally, the machine's design and functions are aimed at delivering a seamless and convenient water heating experience, catering to the needs of users in both residential and commercial environments. The Smart Faucet is to be used only in conjunction with an RO Water Filter machine for optimal performance, and to validate the Warranty.

### Getting Started

Upon powering on the machine, you will hear a 'beep', and all lights will illuminate for 3 seconds. Subsequently, the sterilisation and water dehydration lamps will turn off. If water is not detected, the water shortage light will illuminate and flicker. Simultaneously, the water inlet solenoid valve will open, initiating the water flow. Once water is detected at the high water-level point, the water inlet valve will close. If no water shortage is present, the water shortage indicator will turn off. In the event of no water dehydration, the heating process will not commence, resulting in the heating board remaining inactive and the pump unable to operate.

### 3. Product Precautions

Important: The water supply to the Hydrogen unit and Smart Faucet must be purified RO water only and therefore directly from an RO Water Filter Machine

The display screen features two numbers: one for temperature and one for water volume. The displayed water outlet temperature should match the actual outlet temperature, while the water volume displayed should be accurate. Upon machine startup, continuous monitoring of the low liquid level point occurs. Should water be absent at this level, the machine will indicate a water shortage, rendering the heating function of the heating tube inoperable and preventing the water pump from functioning. The water shortage light will illuminate and flash in case of a water shortage;

When in standby mode with no water production, abnormal alarms, or button operations, all lights will automatically turn off after 2 minutes. During machine operation or by pressing any key to activate, the lights will restore to their normal display state;

Upon startup, the dual-colour indicator lights will display blue when producing ambient temperature water and red when generating hot water;

The control board provides a constant current of 1.5A to the hydrogen production element, and the hydrogen production logic: after each startup and water replenishment, hydrogen production starts for 5 minutes, and the hydrogen production icon lights up and flashes;

Automatically produces hydrogen for 2 minutes when less than 200 ml of water has been tapped;

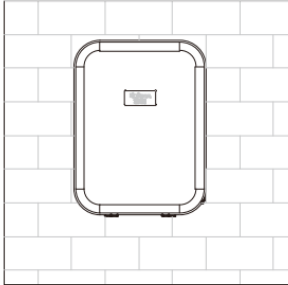
Automatically produces hydrogen for 3 minutes when 300 ml of water is tapped, and automatically produces hydrogen for 5 minutes when between 500ml-1000ml of water is tapped;

Manually press once to produce hydrogen-water for 5 minutes;

Memory function:

1. Temperature: After each operation is completed, the ambient water temperature of (25°C) will be reverted to by default, 20 seconds after each hydrogen water production is completed;
2. Water volume: The previous water volume generated is remembered;

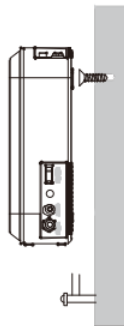
#### 4. Installation Diagram



1. Using the hole positions on the back of the box as a guideline, mark two corresponding points on the wall 15 cm apart



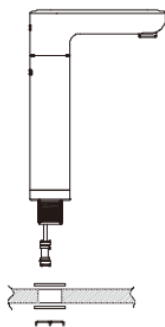
2. Insert the plastic fissure plugs into the newly drilled holes and securely affix the wall plate



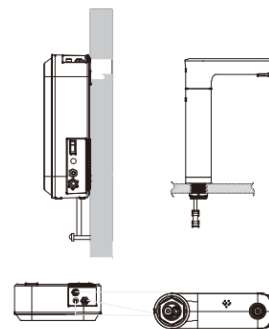
3. Align and firmly 'hook' the box over the screws of the wall plate to mount the unit



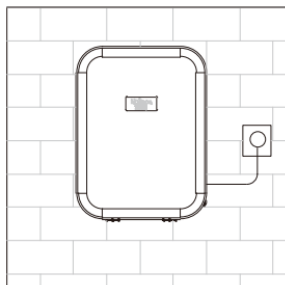
4. Connect the tube for water inlet to the RO machine



5. Insert and securely the Smart faucet with a nut into the prepared 35mm cutout in the sink, or counter-top after placing a silicone ring seal between the faucet & the counter surface, and one ring seal directly below the surface and securely tighten the Smart Faucet into place



6. Connect the water outlet tube of the Hydrogen unit to the water inlet of the Smart Faucet, and insert the quick-heating faucet cable into the machine port



7. Connect the power supply for the Hydrogen unit and Smart Faucet and switch power to the 'On' position

## 5. Product Parameters

Product Model & Name	F4 - Smart Hydrogen Faucet	Hydrogen Box Specifications	250x107x332mm
Voltage / Frequency	110V~220V/50Hz	Smart Faucet Specifications	207x60x325mm
Water Temperature Range	5~38°C	Water Source	Purified RO Water
Water Pressure	0.1-0.4Mpa	Water Outlet Flow-rate	1,100ml/min
Ambient Humidity	<90%	Hot Water Flow-rate	500ml - 1L/min
Rated Total Power	2200W	Standby Power	0.4W

## 6. Fault Analysis & Trouble-Shooting

Fault / Issue	Checklist of Possible Reasons	Options & Solutions
Digital Display Absent	A. The plug is not properly inserted into the power socket B. The power switch is 'Off'	A. Check the power plug B. Turn power to 'On' position
Sounds While Heating	A. The sound produced when water heating	A. Normal phenomenon
Low Water Screen Flickering	A. No water supply	A. Open the water inlet valve
No Hot Water Production	A. Child lock function enabled	A. Disable Child lock, tap the water icon after 5 secs



## **DISCLAIMER**

Hydrogen Water Filters™ supplies fully Certified and Tested products. To validate the product Warranty, it is essential that the water supply to the Hydrogen unit and Smart Faucet must be purified RO water only and therefore directly from an RO Water Filter Machine. Furthermore, we cannot be held responsible for any damages to this product, or other machines/appliances and/or plumbing components; this extends to personal injury and liability, property damage/losses and/or environmental damage, etc., resulting from unauthorised Installation of this product, debugging, component replacement, etc. If this product was installed by a plumbing professional and you have any concerns, please immediately contact our support team at [support@hydrogen-therapy.co.uk](mailto:support@hydrogen-therapy.co.uk)