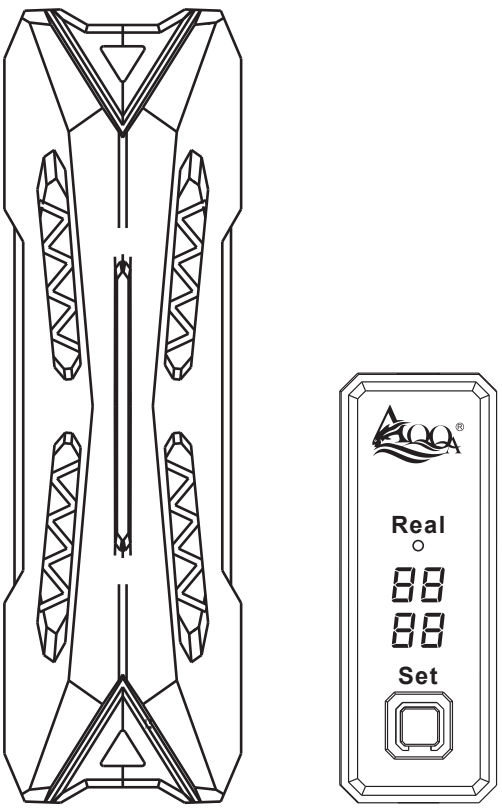
AQ072 USER MANUAL

AQQA Small Aquarium Heater



This small fish tank heater is equipped with dual relays and an intelligent heating constant temp system. The AQQA quartz glass aquarium heater is a high-quality heating device designed for freshwater and saltwater aquariums. It offers fast and efficient heating, ensuring that the aquarium maintains the optimal temperature. In addition, the heater comes with a dual display that allows the user to accurately control the temperature, along with itsdurability to provide reliable performance for aquarium enthusiasts.

⚠ Reminder:

1. The controller is not waterproof. Please ensure that it remains dry at all times.
2. The heater must be completely submerged in water to ensure proper functionality.

1.PRODUCT FEATURES

Rapid and Safe Heating: This heater is made of high-performance quartz glass tube and silicon carbide thermal conductivity materials, powerful heating wire can quickly and safely heat water.

Precise Temperature Control: The indicator light turns red and initiates heating when the current water temperature is lower than the set one 1℉/1 ℃. It turns blue when the water reaches the set temperature. The temperature range of the heating rod is 59-94℉ (15-34℃).

Heater is Dual-use: The quartz tube heating rods can also be used when the protective cover is removed.

Accurate Dual Digital Display Controller: The high-definition dual digital display on the controller shows the set temperature and real-time water temperature with an accuracy of 1 ℉/1 ℃.

Fahrenheit and Celsius Switch: By pressing the controller for 8 seconds, you can switch between Celsius and Fahrenheit temperature units.

Easy Operation: Simply plug the heater into a socket to get started. The external touch controller allows for convenient temperature adjustment. Each touch changes the set temperature by 1℉/1℃.

Auto Power-Off and Error Code Alert: If the heating rod is exposed to air, the heater will automatically shut off and display error code E1. When fully submerged in water, the heater will resume operation. The high and low-temperature protection features trigger error codes HH when the temperature is above 95 ℉ and error code LL when the temperature is below 59 ℉.

Memory Function: The heater retains the previous temperature settings in case of a power outage and will resume operation once power is restored.

High-Temperature Resistant Safety Cover: The detachable PC plastic cover is designed to withstand high temperatures and it is easy to clean, ensuring the safety of fish and other aquatic organisms.

2.PRODUCT PARAMETERS

Model No	AQ072				
Power	50W	100W	150W	200W	250W
Application	3~10gal (11~38L)	8~20gal (30~76L)	15~30gal (57~114L)	20~40gal (76~151L)	30~50gal (115~190L)
Voltage	US Standard:AC 110-120V /60Hz EU/UK/AU Standard:AC 220-240V /50Hz				
Control Range	59℉~94℉/ 15℃~34 ℃				
Temp Accuracy	±1℉ / ±1℃				
Heating Rod Dimension	6.0in x 1.9in x 1.2in 15.3cm x 4.7cm x 3.0cm				
Temp Controller Dimension	3.8in x 1.4in x 0.9in 9.6cm x 3.5cm x 2.2cm				

3.ERROR CODE COMPARISON TABLE

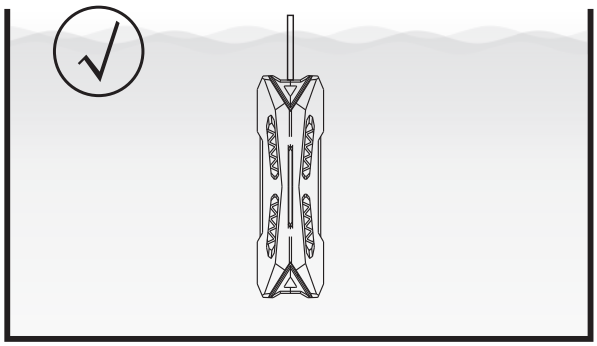
The processing method of the code appears on the LED screen	Error Code	Explanation	Solutions
	E1	Power off when out of water	Ensure the heating rod is fully submerged in water
	HH	Water temperature exceeds 95℉ (35℃)	Wait for the water temperature to decrease below 95℉(35℃)
	LL	Water temperature below 59℉(15℃)	Wait for the water temperature to increase above 59℉(15℃)
	EE	The probe is damaged	Unplug it immediately. Do not use and replace

4.PACKAGE INCLUDES

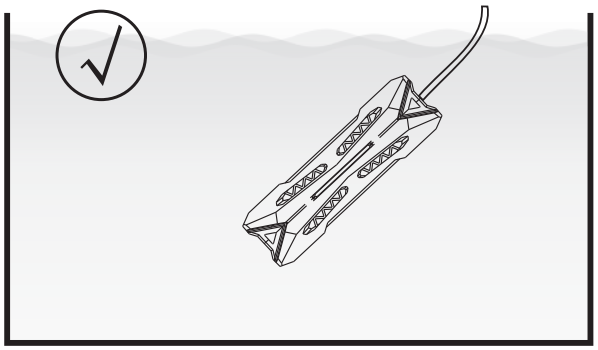
1 x Aquarium Heater
2 x Suction cups
1 x User manual

5. APPLICATION

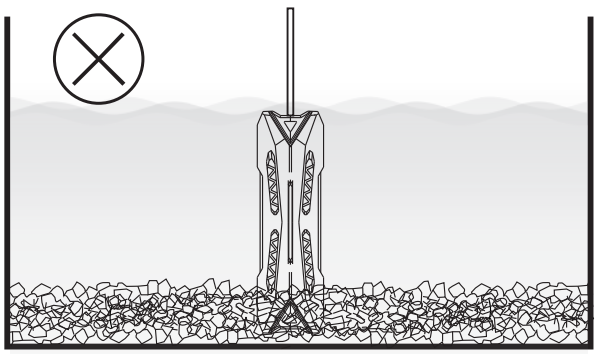
A.Place the heater as shown in the following diagram:



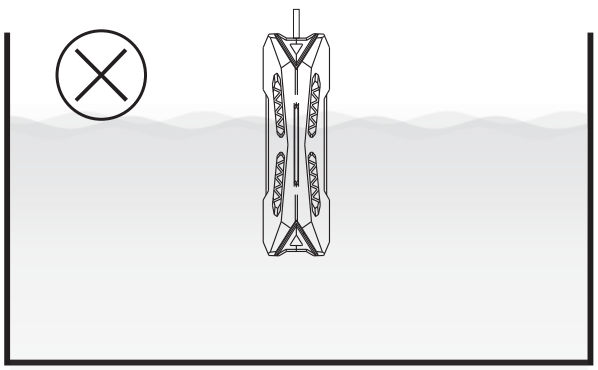
Submerged in water



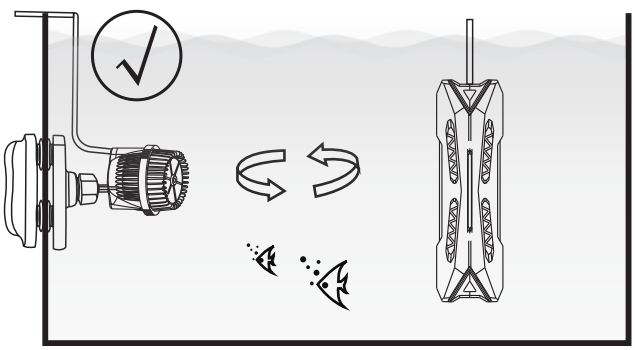
Submerged in water



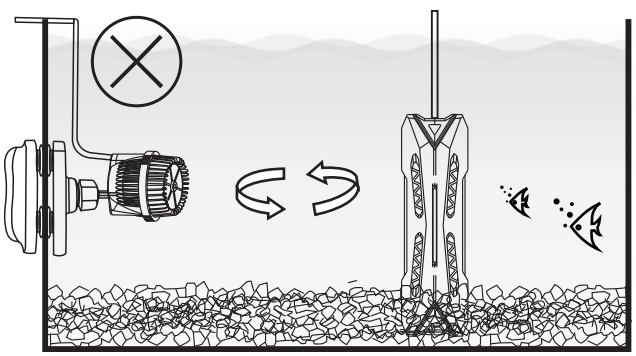
Do not bury under gravel



Do not out of the water



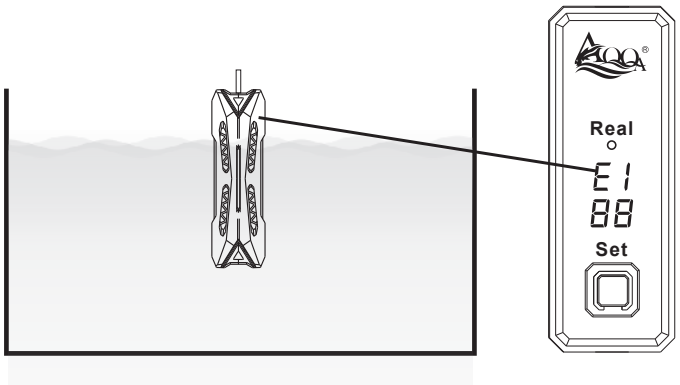
Close to the pumps



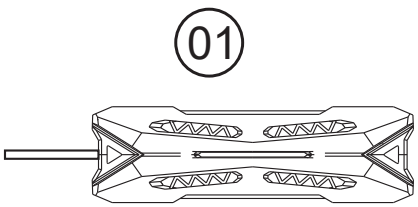
Do not bury under gravel

B.Digital display models

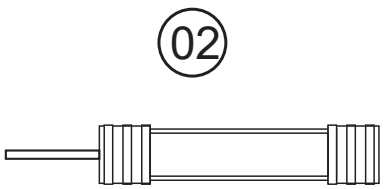
1. Out of water alert: when the heating rod is out of the water (at least 2.4 inches), the digital display will show the error code “E1” and does not send a warning signal.



C.Heater is dual-use



Use with protective cover



Use only the heater rod

Important Reminder:

1)The AQQA heater must be fully submerged when it is on.

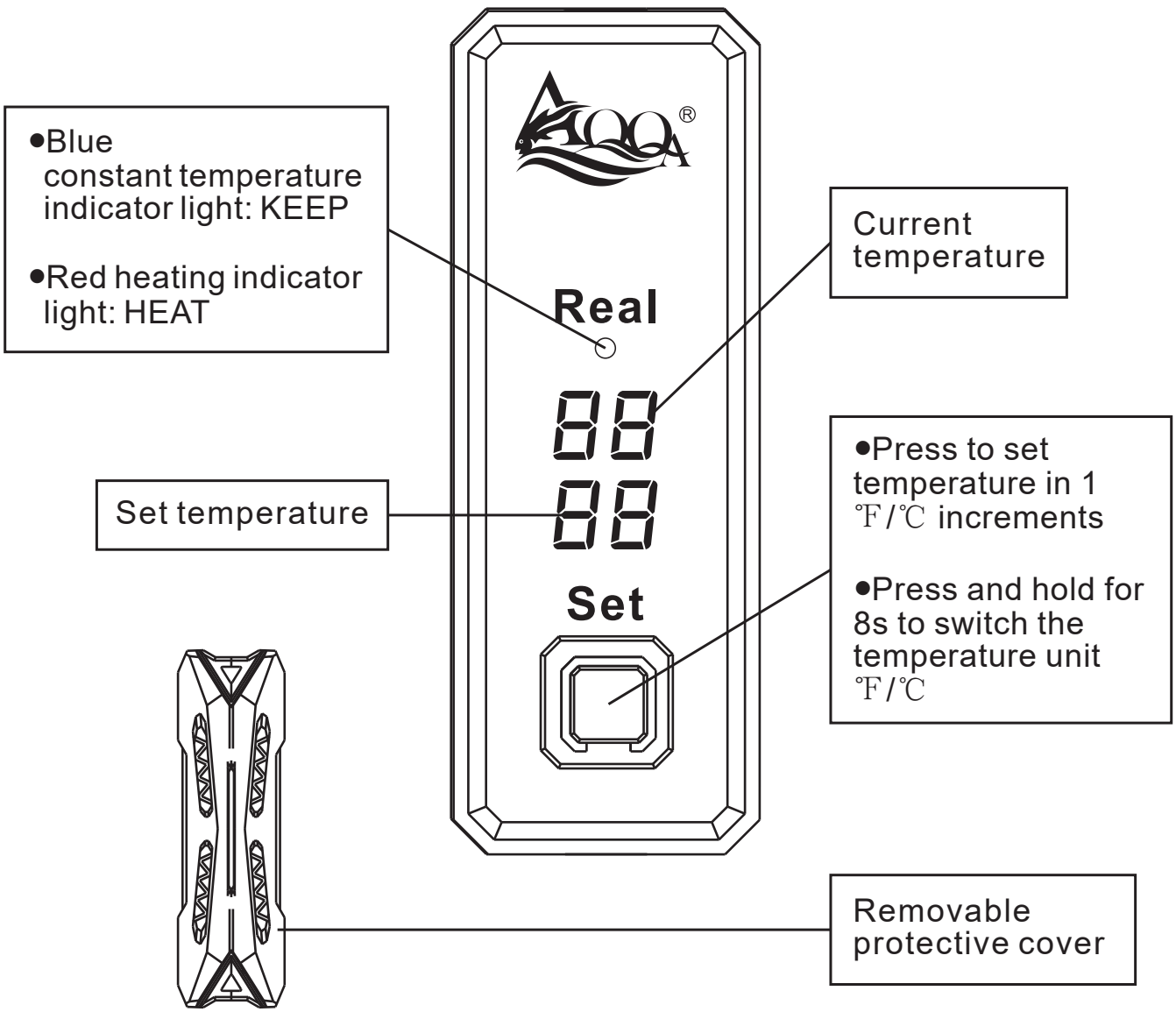
2) Please make sure there is enough water flow and water circulation in your fish tank when using the heater.

3) Do not bury it under gravel as it does not conduct heat.

4) To ensure even and thorough distribution of warm water and to provide an accurate temperature reading, it is recommended that the heater be placed in an area of the unit that is unobstructed, and has an unobstructed flow of water, such as near a filter or pump outlet.

5)When changing the water for the fish tank, you need to unplug the power switch and let the heating rod cool down in the water tank for at least 15 minutes.

6)Please do not pour any chemical agent into the aquarium with the heater.


●Blue
constant temperature
indicator light: KEEP
●Red heating indicator
light: HEAT
Real
88
88
Set
Current
temperature
Set temperature
●Press to set
temperature in 1
℉/℃ increments
●Press and hold for
8s to switch the
temperature unit
℉/℃
Removable
protective cover

6. WARNING

To guard against injury, basic safety precautions should be observed including the following:

1.Read and follow this user manual strictly.

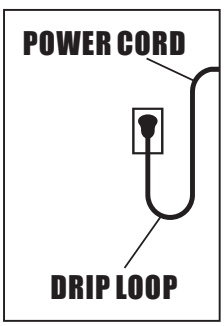
2.DANGER-To avoid possible electric shock, special care should be taken since water is employed in the use of aquarium equipment. For each of the following situations, do not attempt to repair yourself; return the heater to an authorized service facility for service or discard the heater.

A.If the heater shows any sign of abnormal operation, unplug the power and remove the heater from water after 15 minutes.

B.Carefully examine the heater after installation. It should not be plugged in if there is water on parts not intended to be wet.

C.Do not operate the heater if it has a damaged cord or plug, if it is malfunctioning, or if it is dropped or damaged in any manner. The power cord of this heater cannot be replaced; if the cord is damaged, the heater should be discarded.

D.To avoid the possibility of the heater plug getting wet, position aquarium stand and tank to one side of a wall mounted outlet to prevent water from dripping onto the outlet or plug. A “drip loop”, shown in the figure below, should be arranged by the user for each cord connecting the heater to the outlet. The “drip loop” is the part of the cord below the level of the outlet, or the connector. If an extension cord is used, to prevent water traveling along the cord and coming in contact with the outlet. If the plug or outlet does get wet, do not unplug the cord. Disconnect the fuse to the circuit breaker that supplies power to the heater. Then unplug and examine for the presence of water in the outlet.



3.Close supervision is necessary when the heater is used near children. Daily supervision is necessary when the heater is being used.

4.This heater should not 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 concerning use of the heater by a person responsible for their safety.

5.To avoid injury, do not touch moving parts or hot parts.
6.Always unplug the heater from the outlet when not in use, before putting on or taking off parts, before maintenance, or placing hands in the water. Never yank the cord to pull plug from outlet. Grasp the plug and pull gently to disconnect.
7.Do not use the heater for other than intended use. The use of attachments not recommended or sold by the appliance manufacturer may cause an unsafe condition and will void the warranty.
8.Do not install or store the heater where it will be exposed to the weather or to temperatures below freezing.
9.Only use in freshwater or saltwater aquariums; do not use the heater in other liquids.
10. Make sure the heater is securely installed before operating it.
11. Read and observe all the important notices on the heater.
12. If an extension cord is necessary, a cord with a proper rating should be used. A cord rated for less amperes or watts than the heater rating may overheat. Care should be taken to arrange the cord so that it will not be tripped over or pulled.
13. The heater is intended FOR HOUSEHOLD USE ONLY.
14.SAVE THIS USER MANUAL.

7. ATTENTION

✓Please check all the items to inspect condition when unboxing the package.

✓Please read and follow all the instructions carefully.

✓Please choose a heater rated for your aquarium.

✓Please place the heating rod in water flow and don't bury it in substrate.

✓Please place the heating rod fully submersed in water when it's on duty. Unplug the heater and wait for 15 minutes before changing water or removing the heater.

✓Please keep in mind that the heater can be turned off automatically when exposed to air, but it is a last resort and should be avoided.

✓After using of the heater, calcium carbonate contained in algae or moss may clump and adhere to the heating rod.

✓If dirt adheres to the heating rod, use a sponge or cloth and water to wipe it. Do not use alcohol or other chemicals as this may damage the heater and harm fish or livestock.

✓When used for a prolonged period with dirt adhered to the heating element, be aware that it may cause failure due to the inability to control the temperature correctly.

8. DISPOSAL

Do not dispose this product as unsorted municipal waste. This product must not be disposed together with the domestic waste it must be disposed of at an authorized place for recycling of electrical and electronic appliances. By collecting and recycling waste, you help save natural resources, and make sure the product is disposed in an environmentally friendly way.

9. WARRANTY

This product MUST be purchased from an authorized AQQA reseller. Visit our website for a list of authorized resellers. AQQA warrants this product against defects in materials and workmanship for ONE(1) YEAR from the date of the original retail purchase and is non-transferable. Warranty on all products, including aquariums. But it is limited to the replacement of the products and does not cover fish loss, personal injury, property loss or direct, incidental or consequential damage caused by using this product.

Note: AQQA One-year Limited Warranty does not cover damage caused by the followings: improper installation, saltwater corrosion, electrical surges or modifications. If you discover a defect, please contact AQQA , who will, at its option, repair or replace the product at no charge, provided that you return it during the warranty period. A copy of the bill of sale is required as proof of the original purchase date in the event of the product needing repairs within the warranty period. AQQA does not warrant any products that are not AQQA's. This warranty does not apply if the product has been damaged by accident, abuse, misuse or misapplication, or modified without the written permission of AQQA.

9. CONTACT INFORMATION

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