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> hygger Aquarium Heater with Intelligent Temperature Controller (Model HGY0003) User Manual

hygger HGY0003

hygger Aquarium Heater with Intelligent Temperature Controller

Model: HGY0003

INTRODUCTION

This manual provides detailed instructions for the hygger Aquarium Heater with Intelligent Temperature Controller. This 1000W submersible heater is designed for 130-260 gallon freshwater and saltwater aquariums, featuring an automatic stop heating system when removed from water. Please read this manual thoroughly before installation and operation to ensure safe and efficient use.

IMPORTANT SAFETY INSTRUCTIONS

- Read all instructions carefully before using the appliance.
- Always unplug the heater from the power outlet before performing any maintenance, cleaning, or when handling the heater.
- Ensure the heater is fully submerged in water at all times during operation. Never operate the heater dry.
- This appliance is for indoor use only. Do not use it outdoors or in wet conditions outside of the aquarium.
- Do not use the heater if the power cord or plug is damaged. Contact customer support for assistance.
- Keep the power cord away from high-temperature surfaces.
- Ensure the voltage used matches the voltage specified on the heater.
- Children should be supervised to ensure they do not play with the appliance.

PACKAGE CONTENTS

Verify that all items are present in the package:

- 1 x hygger Aquarium Heater
- 1 x Intelligent Temperature Controller
- 3 x Suction Cups

- 1 x Bracket
- 1 x Hook

PRODUCT FEATURES

The hygger Aquarium Heater is equipped with advanced features for optimal aquarium temperature control:

- **High Power Output:** 1000W suitable for 130 to 260-gallon saltwater and freshwater aquariums. Operates on 110-120V.
- **Intelligent LED Digital Display Controller:** Displays current water temperature, set temperature, heating status, protection signs, and alarms. Supports both Fahrenheit (°F) and Celsius (°C) display.
- **Precise Temperature Control:** Temperature range of 59-93°F (15-34°C) with an accuracy of within 1°F. Automatically maintains the set temperature.
- **Multiple Security Protections:** Includes anti-dry burning function, overheating protection, and low temperature protection, each with visual and audible alerts.
- **Memory Function:** Retains the last temperature setting even after a power interruption.
- **Durable Construction:** Made with explosion-proof quartz glass and a highly temperature-resistant nickel-chromium heating wire for rapid and safe heating. The sturdy black shell is high-temperature resistant ABS material, protecting aquatic life from burns.

LED Intelligent temperature controller

Temperature range 59°F-93°F/15°C-34°C

Constant temperature mode

Set temp

Current temp

Memory Function

Still remember the last setting if power off



Heating mode

Dry Burning Alert

It will flash and alarm when the heater out of the water surface

°C/ °F Conversion

Press and hold for 8 seconds to switch between "°C and °F"

Temperature setting button

TROUBLE SHOOTING

Fault code	Explanation	Solutions
LL	The Tank temperature below 59°F(15°C)	Raise the temperature
HH	Tank temperature reaches 94°F(35°C)	Lower the temperature
Auto shut off	Out of the water	when heating Fully submerged in water
EE/ER	Probe failure	Return to the seller

The hygger Aquarium Heater and its intelligent controller, showcasing the sleek design and separate control unit.

Heater Placement

The heater must be fully submerged in water. Use the provided suction cups to securely attach the heater to the inside wall of your aquarium. Ensure proper water circulation around the heater for even heat distribution. Avoid placing it directly in the substrate or covering it with decorations.

How to choose size?



Power	200W	300W	500W	800W	1000W
Applicable	27-53Gal	40-80Gal	66-135Gal	80-220Gal	130-260Gal
Temp accuracy	0.1F(0.1°C)	0.1F(0.1°C)	0.1F(0.1°C)	0.1F(0.1°C)	0.1F(0.1°C)
Control range	59°F-93°F(15°C-34°C)				
Heater roddimension	11"x1.9"x1.5"		11"x3"x1.5"		

The hygger aquarium heater securely attached to the tank wall with suction cups, fully submerged.

Controller Placement

The intelligent temperature controller should be placed outside the aquarium in a dry location, easily accessible for monitoring and adjustments. Use the bracket and hook to mount it securely.

Overheating Protection



Low Temperature Protection



The hygger aquarium heater installed inside the tank with the external controller mounted outside for easy access.

Wide Range of Applications



Diagram illustrating correct heater installation positions (vertical, angled, flat) and incorrect positions (upside down, sideways, or covered by substrate).

OPERATING INSTRUCTIONS

Power On

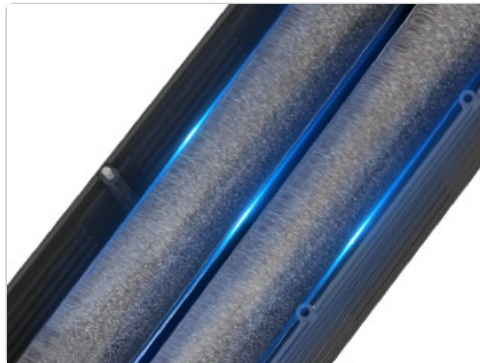
After installation, plug the heater and controller into a suitable power outlet. The LED display on the controller will illuminate, showing the current water temperature and the last set temperature.

Setting Temperature

Press the "SET" button on the controller to enter temperature setting mode. Each press will cycle through available temperature settings. Adjust to your desired temperature within the range of 59-93°F (15-34°C). The heater will automatically begin heating to maintain this set temperature.

Temperature Unit Conversion

To switch the temperature display between Fahrenheit (°F) and Celsius (°C), press and hold the "SET" button for approximately 8 seconds.



Detailed view of the LED intelligent temperature controller, highlighting the display for current and set temperatures, heating mode, and the SET button.

An official video demonstrating the features and operation of the hygger Aquarium Heater with Intelligent LED Controller, including installation and temperature setting.

SAFETY FEATURES

Anti-Dry Burning Function

The heater is equipped with an anti-dry burning function. If the heater is accidentally removed from the water, it will automatically stop heating. The controller will display "Auto shut off" flashing, accompanied by an audible buzzer sound, to alert you.



Illustration of the anti-dry burning function, showing the heater out of water with the controller displaying 'Auto shut off' and an alert icon.

Overheating Protection

If the water temperature in the aquarium exceeds 93°F (34°C), the controller will activate its overheating protection. It will display "HH" flashing and emit a buzzer sound to indicate the high temperature condition.



Image showing the controller displaying 'HH' and a buzzer icon, indicating overheating protection activation.

Low Temperature Protection

Should the water temperature in the aquarium drop below 59°F (15°C), the controller will activate its low temperature protection. It will display "LL" flashing and emit a buzzer sound to indicate the low temperature condition.

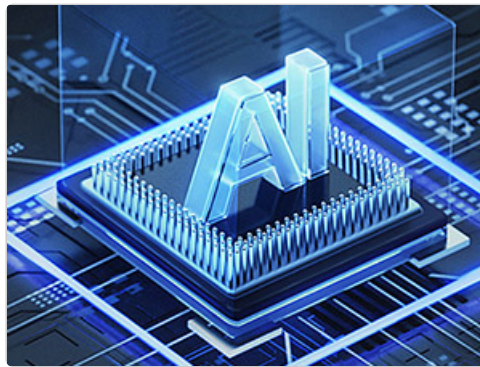


Image showing the controller displaying 'LL' and a buzzer icon, indicating low temperature protection activation.

Memory Function

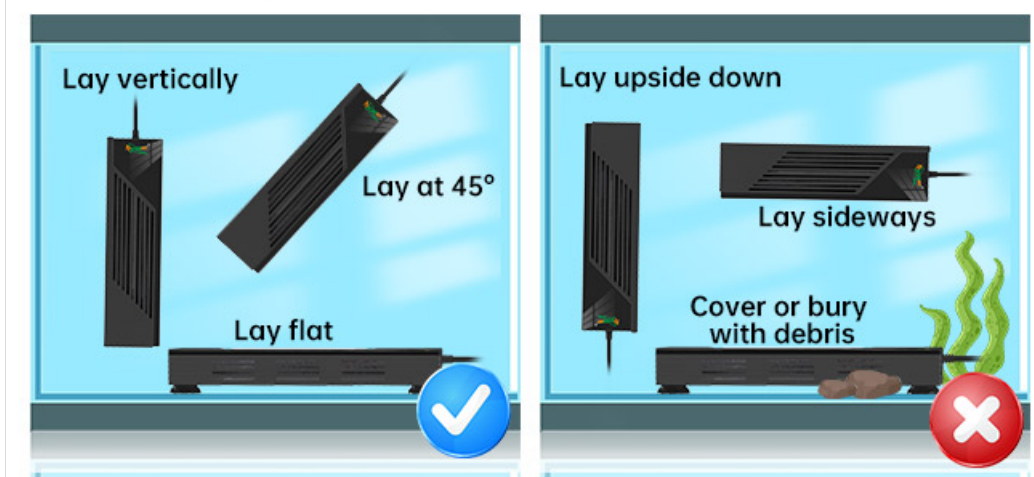
The intelligent controller features a memory function that retains your last set temperature. In the event of a power outage, the heater will resume operation at the previously set temperature once power is restored.

TROUBLESHOOTING GUIDE

Refer to the table below for common issues and their solutions:

Fault Code	Explanation	Solutions
LL	Tank temperature below 59°F (15°C)	Raise the temperature setting or check for external cooling factors.
HH	Tank temperature reaches 94°F (35°C) or higher	Lower the temperature setting or check for external heat sources.
Auto shut off	Heater is out of the water	Ensure the heater is fully submerged in water.
EE/ER	Probe failure	Contact the seller for support or replacement.

Installation Precautions



Visual representation of the troubleshooting table with fault codes, explanations, and solutions.

MAINTENANCE

Proper maintenance ensures the longevity and efficiency of your aquarium heater:

- **Regular Cleaning:** Periodically clean the surface of the heater to prevent algae and mineral buildup, which can reduce heating efficiency. Use a soft brush or cloth and aquarium-safe cleaning solutions if necessary.
- **Unplug Before Handling:** Always unplug the heater from the power outlet and allow it to cool down before performing any cleaning or maintenance inside the aquarium.
- **Inspect for Damage:** Regularly check the power cord, plug, and the heater unit itself for any signs of damage, cracks, or wear. Do not use the heater if any damage is observed.
- **Ensure Submersion:** Always confirm the heater is fully submerged before plugging it back in after maintenance.

PRODUCT SPECIFICATIONS

Property	Value
Model Number	HGY0003
Power	1000W
Voltage	110-120V
Recommended Tank Size	130-260 Gallons
Temperature Range	59-93°F (15-34°C)
Temperature Accuracy	Within 1°F (1°C)
Heater Length	6.2 ft
Power Cord Length	3.9 ft
Material	Explosion-proof quartz glass, Nickel-chromium heating wire, ABS shell
Product Dimensions	33.02 x 10.16 x 10.16 cm

Property	Value
Item Weight	907.18 g (2 Pounds)
Application	Freshwater, Saltwater



A diagram illustrating the different power ratings, applicable tank sizes, temperature accuracy, control range, and heater rod dimensions for various models of hygger aquarium heaters.

WARRANTY AND CUSTOMER SUPPORT

This hygger aquarium heater comes with a 24-month warranty from the date of purchase. If you encounter any problems with your product or require assistance, please contact the seller or hygger customer support. Provide your purchase details and model number (HGY0003) for efficient service.