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hygger HW011-800W

hygger HW011-800W Unbreakable Metal Aquarium Heater User Manual

Model: HW011-800W | Brand: hygger

1. INTRODUCTION

Thank you for choosing the hygger HW011-800W Unbreakable Metal Aquarium Heater. This heater is designed to maintain a stable water temperature in freshwater aquariums, turtle tanks, and ponds ranging from 120 to 180 gallons. It features a digital temperature display, automatic shut-off, a beeping alarm for safety, and smart PID Variable Frequency Drive Technology for energy efficiency.

2. SAFETY INSTRUCTIONS

- Always unplug the heater from the power outlet before performing any maintenance, cleaning, or handling the unit.
- Ensure the heater is **fully submerged** in water before plugging it in. Operating the heater out of water will cause damage and trigger safety features.
- This heater is recommended for **freshwater only**. Do not use in saltwater environments.
- The heater is equipped with an **auto shut-off** feature that activates if the water level dips too low, preventing dry burning. It will resume operation once fully submerged.
- Three overload sensors provide **overheat protection**. A beeping alarm will sound and the temperature display will flash if the water temperature exceeds 96.8°F (36°C).
- The plastic guard prevents fish or turtles from direct contact with the heating element, reducing the risk of burns.
- Do not operate the heater if the cord or plug is damaged.
- Keep the external temperature controller dry; it is not waterproof.

3. PRODUCT OVERVIEW

The hygger HW011-800W heater features a robust design with a digital display and an external controller for ease of use.

Smart Energy Saving Tech

low power consumption

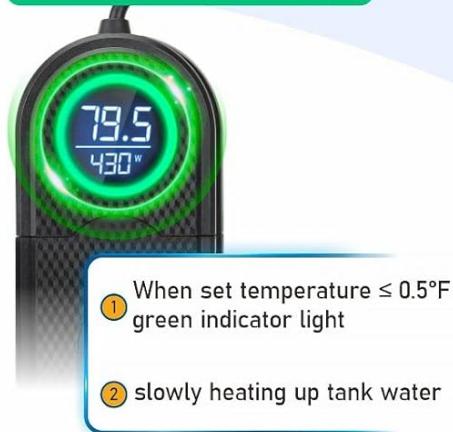
1 Full Power Heat Up



2 Stop Working



3 Low Power Start-up



Power

Smart PID Variable Frequency Drive Technology

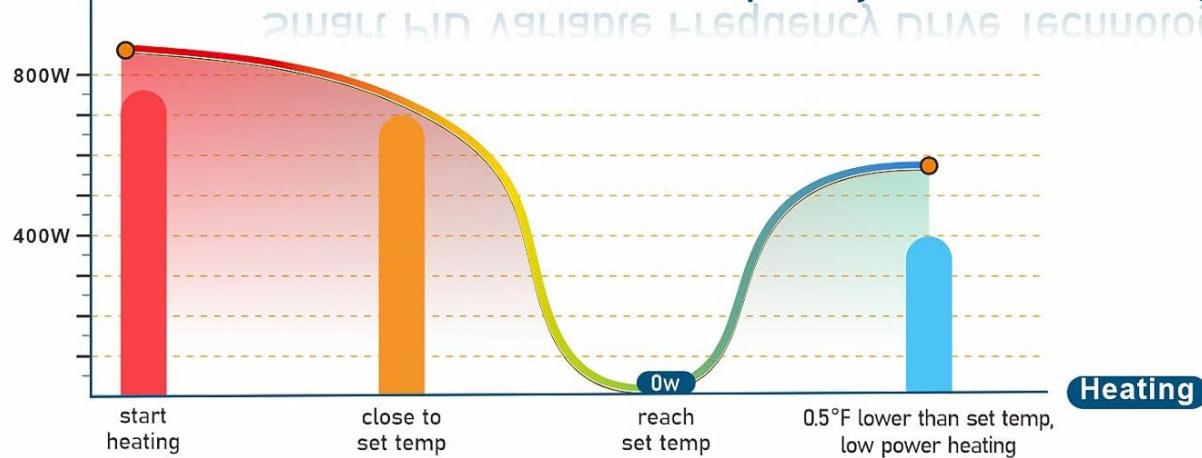


Image: The hygger HW011-800W heater installed in a freshwater aquarium.

How to place heater rod ?



Image: The hygger aquarium heater highlighting its energy-saving features and safety sensors.

4. SETUP INSTRUCTIONS

- Unpack:** Carefully remove all components from the packaging. Inspect the heater and controller for any signs of damage.
- Mounting:** Attach the heater rod to the inside of your aquarium using the provided suction cups. Ensure it is placed in an area with good water circulation. The heater can be positioned vertically or horizontally, but must be fully submerged.



Image: Proper and improper placement of the heater rod in an aquarium.

- Connect Controller:** Ensure the external temperature controller is securely connected to the heater rod. Position the controller outside the tank in a dry location.



Image: The external temperature controller.

- Power Connection:** Once the heater is securely mounted and fully submerged, plug the power cord into a suitable electrical outlet.

5. OPERATING INSTRUCTIONS

5.1 Setting the Temperature

- The external controller allows for easy temperature adjustment without getting your hands wet.
- Press the 'SET' button on the external controller repeatedly to cycle through the available temperature settings. The adjustable temperature range is from 70°F to 94°F (21°C to 34°C) in 1-degree increments.
- Release the button when your desired temperature is displayed. The heater will automatically begin to adjust the water temperature to the set point.

Explosion Proof Titanium Heating Element



Energy Saving

smart PID technology, auto heat up aquarium with appropriate power according to aquarium water temperature



Plastic Guard

avoid fish contact with heating element

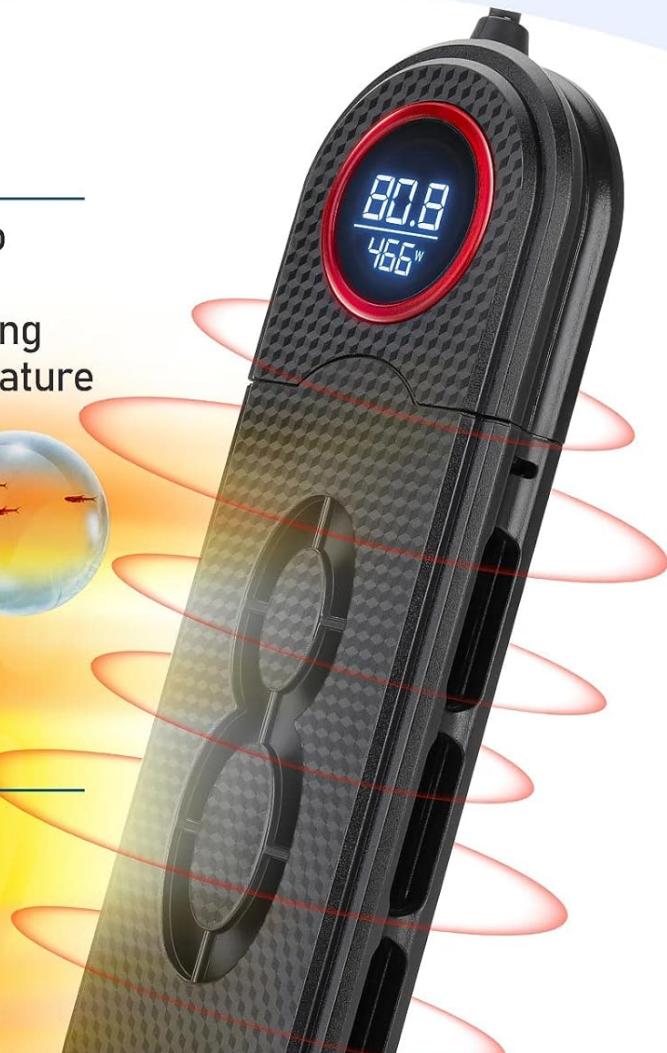


Image: Setting the desired temperature using the external controller.

5.2 Digital Display and Indicator Lights

The heater rod features a digital display that shows the real-time water temperature and current power consumption simultaneously.

- **Red Indicator Light:** When the heater is operating at full power to heat the water, the indicator light will be red.
- **Green Indicator Light:** When the water temperature is within 0.5°F of the set temperature, the heater will switch to low power heating, and the indicator light will turn green.
- **No Light:** Once the set temperature is reached, the heater will stop heating, and the indicator light will turn off.

Easy To Set Temperature

Build in external temp control to avoid getting hand wet



Image: Real-time temperature and power display on the heater rod.

Monitor Water Temperature at Any Time



real-time water temperature

power

1 temp accurate to 0.1°F

2 red indicator light

let you know it is heating up the tank

Image: Visual representation of the Smart PID Variable Frequency Drive Technology.

5.3 Smart PID Variable Frequency Drive Technology

This technology allows the heater to automatically adjust its power output based on the difference between the current water temperature and the set temperature. This optimizes energy consumption, providing fast heating when needed and reducing power when maintaining temperature, leading to lower electricity bills.

6. MAINTENANCE

- 1. Unplug First:** Always unplug the heater before attempting any cleaning or maintenance.
- 2. Cleaning the Heater Rod:** The plastic guard around the heating element can be detached for easy cleaning. Gently slide the guard off the main heater body. Clean any algae or debris from the heating element and the guard using a soft brush or cloth. Rinse thoroughly with aquarium water.



Image: Detaching the plastic guard for cleaning.

3. **Reassembly:** After cleaning, reattach the plastic guard to the heater rod. Ensure it is securely in place before returning the heater to the aquarium.
4. **Regular Inspection:** Periodically check the heater for any signs of wear, damage, or mineral buildup. Replace the unit if any damage is observed.

7. TROUBLESHOOTING

- **Heater Not Turning On / No Display:**

- Check if the power cord is securely plugged into the outlet.
- Ensure the external controller is properly connected to the heater rod.
- Verify there is power to the outlet.

- **Beeping Alarm / Flashing Temperature (Over 96.8°F):**

- This indicates the water temperature has exceeded the safe limit. Unplug the heater immediately.
- Check for external heat sources affecting the tank.
- Allow the tank to cool naturally or perform a partial water change with cooler water.
- Re-evaluate the set temperature.

- **Beeping Alarm / "EE" Error Code:**

- This typically indicates the heater is not fully submerged or the water level is too low, triggering the dry-burning protection.
- Ensure the heater is completely underwater. If the water level is low, add more water to the tank.
- If the error persists after ensuring full submersion, the unit may be faulty.

Overheat Protection - Three Overload Sensors

When water temp over 96.8°F triggers beeping alarm and
flashing temperature display

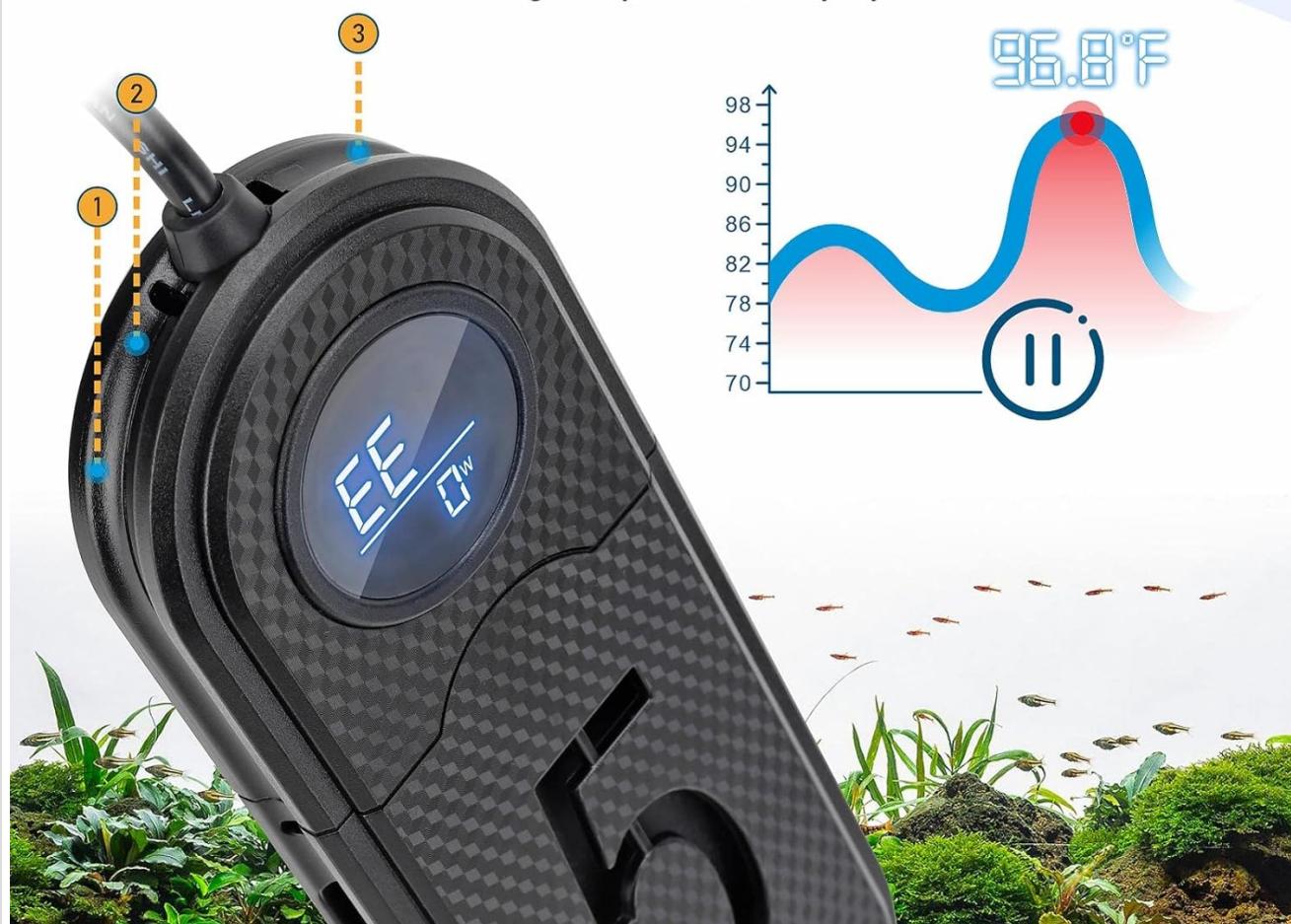


Image: Auto shut-off and beeping alert for low water level.



Image: Overheat protection with beeping alarm and flashing display.

- **Heater Not Reaching Set Temperature:**

- Verify the set temperature is appropriate for your tank size and ambient conditions.
- Ensure the heater is correctly sized for your aquarium volume (800W for 120-180 gallons).
- Check for strong water flow directly over the heater, which can sometimes affect temperature readings or heating efficiency.
- Confirm the heater is fully submerged and clean.

- **Temperature Discrepancy:**

- It is normal for slight variations between the heater's display and an independent thermometer. For critical applications, always verify with a separate, calibrated thermometer.

8. SPECIFICATIONS

Model	HW011-800W
Power	800W
Recommended Tank Size	120-180 Gallons (Freshwater only)
Adjustable Temperature Range	70°F - 94°F (21°C - 34°C)
Item Weight	2.48 pounds
Item Package Dimensions	12.91 x 7.83 x 3.03 inches
Manufacturer	hygger
First Available Date	December 8, 2021

9. OFFICIAL PRODUCT VIDEO

Your browser does not support the video tag.

Video: Official demonstration of the hygger HW011-800W aquarium heater's features and operation, including temperature setting, display, and safety functions.

10. WARRANTY AND SUPPORT

For warranty information, technical support, or any product-related inquiries, please contact hygger customer service directly. Refer to the product packaging or the official hygger website for contact details.