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hygger HG802

hygger Pinpoint Saltwater Aquarium Heater

User Instruction Manual

Model: **HG802** | Brand: **hygger**

1. Introduction

The hygger Pinpoint Saltwater Aquarium Heater with Digital Thermostat IC Temp Controller is designed to maintain a stable and precise water temperature in your aquarium. Featuring a durable titanium tube and an external digital thermostat, this heater is suitable for both freshwater and saltwater environments, including coral reefs. Its advanced control system ensures accurate temperature regulation and includes an automated shut-off for safety.



Image Description: This image displays the complete hygger Pinpoint Aquarium Heater system. On the left, the digital thermostat controller is visible with its display and control buttons. Connected to it are the power plug, the temperature probe, and an outlet socket for the heater. On the right, the titanium tube heater unit is shown with its power cord and two suction cups for mounting. The overall setup illustrates the components included in the product package.

2. Safety Instructions

- Always unplug the heater from the power outlet before performing any maintenance, water changes, or handling the heater.
- Ensure your hands are dry before plugging in or unplugging the heater, or handling the electrical components.
- The heater is fully submersible. Do not operate it outside of water.
- Do not bury the heater in the substrate.
- Ensure the heater is completely submerged before plugging it in.
- Do not use the heater if the cord or plug is damaged.

- This appliance is intended for use with aquariums only.
- Keep out of reach of children.
- Always use a drip loop for all electrical cords connected to the aquarium to prevent water from traveling along the cord and reaching the electrical outlet.

3. Package Contents

Upon opening the package, please verify that all components are present and undamaged:

- 1 x hygger Pinpoint Aquarium Heater (Titanium Tube)
- 1 x Digital Thermostat IC Temp Controller with integrated temperature probe
- 2 x Suction Cups for heater mounting

4. Setup Instructions

1. **Placement of Heater:** Mount the titanium heater tube horizontally inside your aquarium using the two provided suction cups. Position it in an area with good water flow to ensure even heat distribution throughout the tank.
2. **Placement of Temperature Probe:** The temperature probe is integrated into the controller unit. Ensure the probe is fully submerged in the aquarium water and placed away from the heater itself to get an accurate reading of the overall tank temperature.
3. **Connect Heater to Controller:** Plug the power cord of the titanium heater into the outlet socket located on the digital thermostat controller.
4. **Power Connection:** Plug the main power cord of the digital thermostat controller into a suitable 110V power outlet. Ensure a drip loop is formed to prevent water from reaching the outlet.
5. **Initial Power On:** Once plugged in, the digital display on the controller will illuminate, showing the current water temperature and the set temperature.



Image Description: This image illustrates the hygger aquarium heater and its digital controller installed in a planted aquarium. The titanium heater is submerged horizontally near the bottom, secured by suction cups. The external digital controller is positioned outside the tank, displaying both the current water temperature and the user-set temperature. This visual demonstrates the proper setup and placement of the heater system within an aquatic environment.

5. Operating Instructions

The hygger Pinpoint Aquarium Heater features an easy-to-use digital thermostat for precise temperature control.

1. **Understanding the Display:** The controller has a DUAL LCD display. The upper display shows the current water temperature ("WATER TEMP"), and the lower display shows the set temperature ("SET TEMP").
2. **Changing Temperature Units (Fahrenheit/Celsius):** To switch between Fahrenheit (°F) and Celsius (°C), press the "Up" button (▲) on the controller. The display will toggle between the two units.
3. **Setting the Desired Temperature:**
    - Press the "SET" button once. The "SET TEMP" display will begin to flash.
    - Use the "Up" (▲) or "Down" (▼) buttons to adjust the desired temperature. The heating temperature range is

32°F to 104°F (0°C to 40°C).

- Once the desired temperature is set, press the "SET" button again to confirm, or wait a few seconds for the setting to automatically save. The "SET TEMP" display will stop flashing.

4. **Heating Operation:** The heater will automatically begin heating if the current water temperature is below the set temperature. The "HEATER" indicator light on the controller will illuminate when the heater is active. Once the water reaches the set temperature, the heater will automatically shut off, and the indicator light will turn off. The control accuracy is +/- 0.5°C (approx. 1°F).

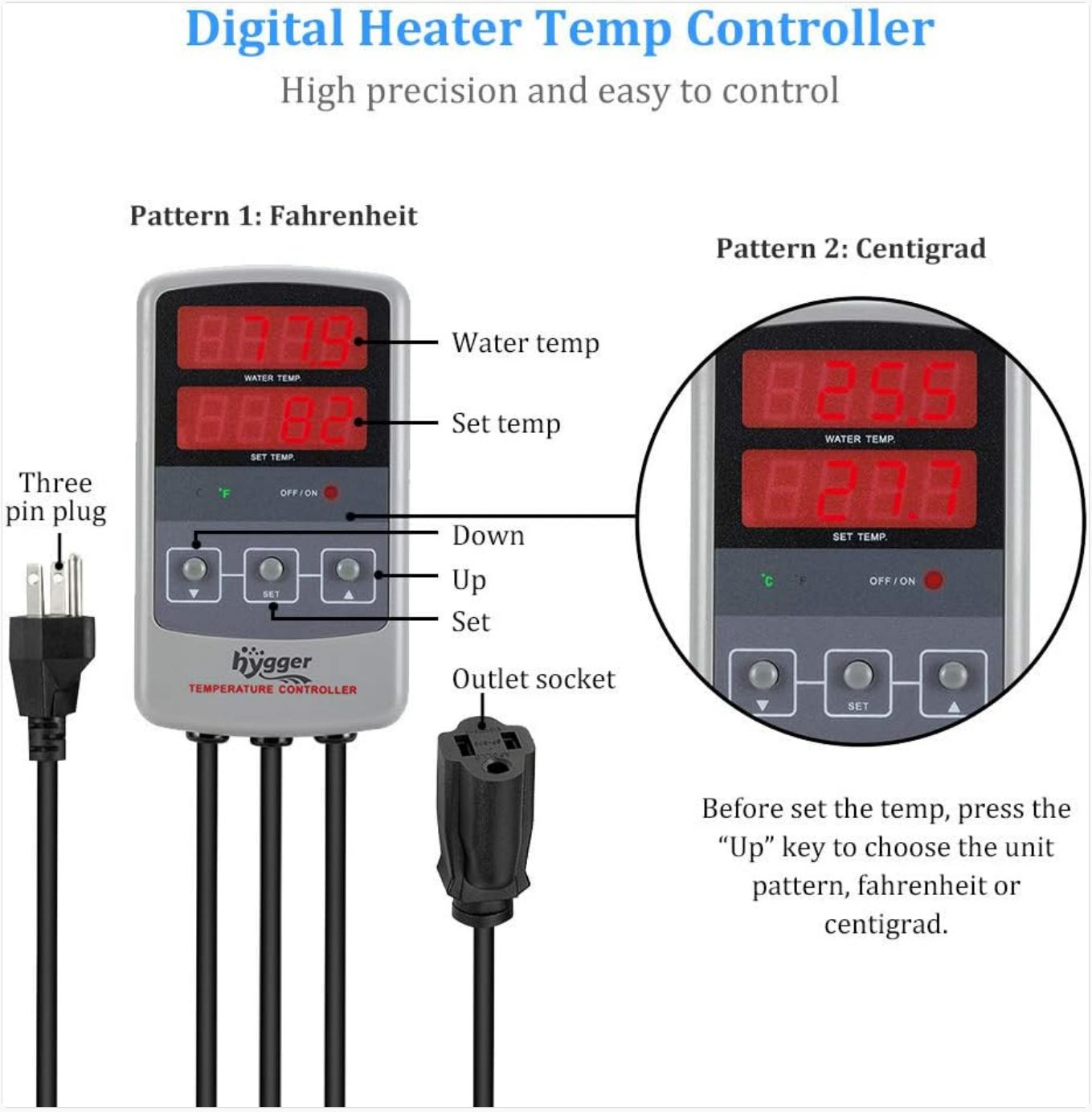


Image Description: This image provides a detailed view of the hygger digital heater temperature controller. It highlights the dual LCD display, showing "Water temp" and "Set temp" readings. Labels point to the "Up," "Down," and "Set" buttons, as well as the "Outlet socket" for the heater and the "Three pin plug" for power. The image also shows how to switch between Fahrenheit and Centigrade by pressing the "Up" key, illustrating both display patterns.

6. Maintenance

Regular maintenance ensures the longevity and optimal performance of your hygger aquarium heater.

- **Cleaning:** Periodically clean the heater tube and temperature probe to prevent algae and mineral buildup, which can affect performance. Always unplug the unit and allow it to cool completely before removing it from the water for cleaning. Use a soft cloth or brush and aquarium-safe cleaning solutions if necessary.
- **Inspection:** Regularly inspect the power cord, plug, and heater tube for any signs of damage, cracks, or wear. If any damage is observed, discontinue use immediately.
- **Water Changes:** Always unplug the heater before performing water changes to avoid exposing the hot heater element to air, which can cause damage.

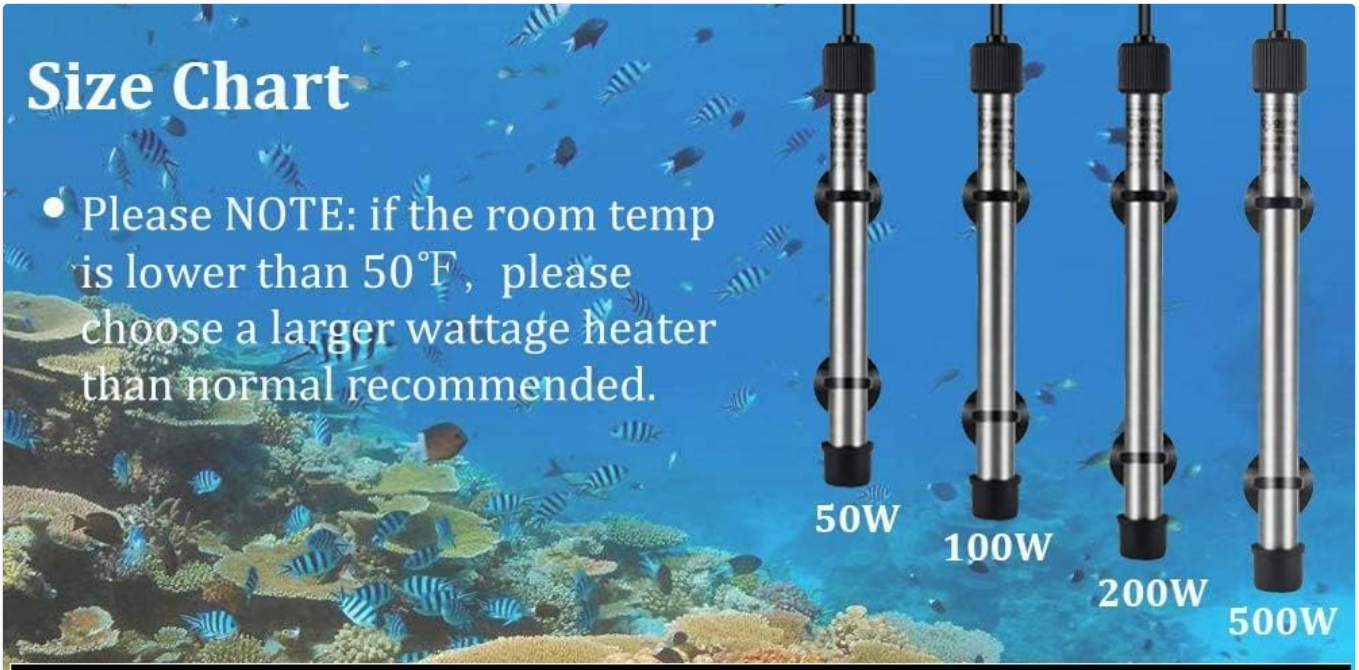
7. Troubleshooting

Problem	Possible Cause	Solution
Heater not turning on/heating.	Power outage or loose connection. Water temperature is already at or above the set temperature. Heater or controller malfunction.	Check power supply and connections. Verify the set temperature is higher than the current water temperature. Contact customer support if the unit is still not functioning.
Inaccurate temperature reading.	Temperature probe not properly submerged or placed too close to the heater. Algae or debris on the probe.	Ensure the probe is fully submerged and positioned away from direct heat sources. Clean the temperature probe.
Heater constantly on or off.	Incorrect temperature setting. Heater wattage is too low/high for tank size.	Adjust the set temperature to the desired range. Refer to the "Specifications" section to ensure the heater wattage matches your tank capacity.

8. Specifications

Feature	Detail
Brand	hygger
Model Name	HG802
Controller Type	Push Button
Special Feature	Programmable
Color	Silver
Temperature Control Type	Heating
Connectivity Technology	Wired
Included Components	Thermostat, Heater
Power Source	Corded Electric
Voltage	110V (AC)
Material	Plastic, Titanium

Feature	Detail
Shape	Cylindrical
Display Type	LCD
Screen Size (Controller)	Not specified, but heater length is 10.7 inches
Control Type	Button Control
Control Method	Touch (Buttons)
Mounting Type	Suction cup mounting
Wattage	200 Watt
UPC	688209998979
Item Weight	1.98 pounds
Product Dimensions (LxWxH)	1.3 x 10.7 x 1.3 inches
Tank Capacity (200W model)	20-45 Gallons
Heating Temperature Range	32°F to 104°F (0°C to 40°C)
Control Accuracy	+/- 0.5°C (approx. 1°F)
Waterproof Grade	IPX8 (max diving depth is 4ft)



Power	50W	100W	200W	500W
Fish Tank Size	5-10 gal	10-25 gal	20-45 gal	60-120 gal
Heater Length	8.7 inch	9.8 inch	10.7 inch	12.3 inch
Voltage	AC 110V-120V			
Power Cord Length	5.5ft			
Detection Precision	±0.2°F			
Error Range	±1.5-2°F			
Temp Control Range	32°F-104°F			
Waterproof Grade	IPX8 (max diving depth is 4ft)			

Image Description: This image presents a size chart for various hygger aquarium heater wattages, including 50W, 100W, 200W, and 500W. The table details recommended fish tank sizes, heater lengths, voltage (AC 110V-120V), power cord length (5.5ft), detection precision (±0.2°F), error range (±1.5-2°F), temperature control range (32°F-104°F), and waterproof grade (IPX8). A note advises choosing a larger wattage heater if the room temperature is below 50°F. This chart helps users select the appropriate heater size for their aquarium.

9. Warranty and Support

hygger products are manufactured with quality and performance in mind. For warranty information, technical support, or any inquiries regarding your hygger Pinpoint Saltwater Aquarium Heater, please refer to the contact information provided in your product packaging or visit the official hygger website. Please retain your proof of purchase for warranty claims.

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