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## LUCKY HERP PID Dimming Thermostat

# LUCKY HERP PID Reptile Dimming Thermostat Instruction Manual

Model: PID Dimming Thermostat

## INTRODUCTION

The LUCKY HERP PID Reptile Dimming Thermostat is designed to provide precise and stable temperature control for various reptile habitats. Utilizing advanced PID (Proportional-Integral-Derivative) control, it automatically adjusts heating output to maintain a consistent environment, crucial for the health and well-being of reptiles such as bearded dragons, lizards, snakes, and turtles. This thermostat supports a wide temperature control range and features an intuitive LED digital display for easy monitoring and adjustment.

### Key Features:

- Precise PID temperature control for stability.
- High-precision temperature sensor for real-time monitoring.
- Constant temperature control range: 20°C - 50°C (68°F - 122°F).
- Easy-to-read LED digital display with °C/°F switching.
- Power-off memory function to restore settings after power interruption.
- Compatible with reptile heat lamps, heating pads, and other heating devices up to 300W.

## SETUP INSTRUCTIONS

Follow these steps to properly set up your LUCKY HERP PID Reptile Dimming Thermostat:

1. **Unpack the Device:** Carefully remove the thermostat and all components from the packaging. Inspect for any damage.
2. **Position the Thermostat:** Place the thermostat unit in a secure location outside the terrarium, ensuring it is not exposed to direct moisture or extreme temperatures.
3. **Connect Heating Device:** Plug your reptile heat lamp, heating pad, or other compatible heating device (maximum 300W) into the power socket on the thermostat.
4. **Position the Temperature Probe:** Fix the temperature probe securely within the reptile's habitat in the

area where you want to monitor and control the temperature. Ensure the probe is not directly touching the heating element or submerged in water, and that your reptile cannot dislodge or damage it.

5. **Connect to Power:** Plug the thermostat's power plug into a standard 100-120V AC, 60Hz electrical outlet. The LED display will illuminate.



Image: The LUCKY HERP PID Reptile Dimming Thermostat unit alongside its product packaging, illustrating the device's design and presentation.



Image: A visual representation of the thermostat connected to a terrarium, with the temperature probe placed inside and a heat lamp plugged into the unit, demonstrating a typical setup.

## OPERATING INSTRUCTIONS

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Once the thermostat is set up, follow these steps to operate it:

- 1. Power On:** After plugging in, the LED digital display will show the current ambient temperature detected by the probe.
- 2. Set Target Temperature:**
  - Press and hold the **SET** button for 3 seconds to enter temperature setting mode. The displayed temperature will begin to flash.
  - Use the **UP (▲)** and **DOWN (▼)** buttons to adjust the target temperature to your desired value.
  - Press the **SET** button again to confirm the target temperature. The display will stop flashing, and the thermostat will begin operation.
- 3. Switch Temperature Units (°C/°F):** To switch between Celsius and Fahrenheit, press the **UP (▲)** and **DOWN (▼)** buttons simultaneously.
- 4. Monitoring:** The LED display will continuously show the current temperature measured by the probe. The thermostat will automatically adjust the power to the heating device to maintain the set temperature.

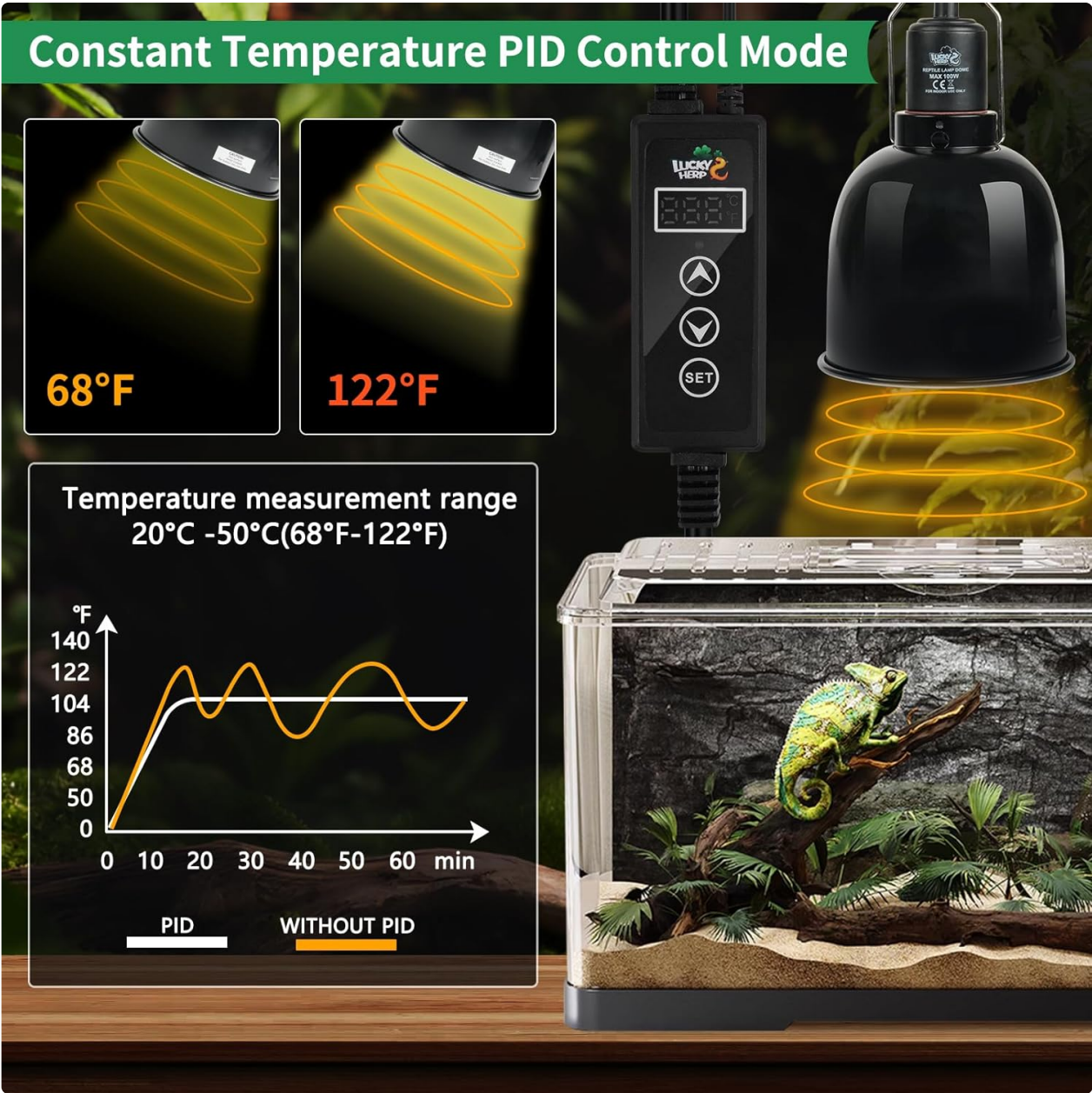


Image: A clear diagram illustrating the functions of the UP, DOWN, and SET buttons for adjusting the target temperature and switching between Celsius and Fahrenheit.

### Power-off Memory Function

The thermostat is equipped with a power-off memory function. In the event of an unexpected power failure, the device will automatically save the last temperature setting. When power is restored, the thermostat will resume operation with the previously set temperature, ensuring continuous care for your reptile.



Image: A three-panel illustration demonstrating the power-off memory function: the thermostat operating, then powered off, and finally resuming operation with saved settings upon power restoration.

## MAINTENANCE

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To ensure the longevity and optimal performance of your LUCKY HERP PID Reptile Dimming Thermostat, follow these simple maintenance guidelines:

- **Cleaning:** Regularly wipe the thermostat unit and display with a soft, dry cloth. Do not use abrasive cleaners or immerse the unit in water.
- **Probe Care:** Keep the temperature probe clean and free from debris. Ensure its placement remains secure and accurate within the habitat.
- **Cable Inspection:** Periodically check all cables for any signs of wear, fraying, or damage. Replace if necessary.
- **Storage:** If storing the device for an extended period, disconnect it from power, clean it thoroughly, and store it in a cool, dry place.

## TROUBLESHOOTING

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If you encounter issues with your thermostat, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Display shows 'LL'	Temperature below 0°C (32°F)	Ensure the probe is in a suitable environment. If the environment is genuinely below 0°C, this is a normal reading.
Display shows 'HH'	Temperature above 60°C (140°F)	Check the probe placement and the heating device. This indicates an excessively high temperature. Disconnect power if necessary to prevent overheating.
Display is flashing	Ambient temperature is too low compared to the set value.	This is a warning. The thermostat is attempting to reach the set temperature. Ensure the heating device is functioning correctly and is adequately sized for the enclosure.
Cannot change temperature settings	Not in setting mode, or buttons are unresponsive.	Press and hold the <b>SET</b> button for 3 seconds until the display flashes. If buttons remain unresponsive, try unplugging and re-plugging the device.
Heating device not turning on/off	Heating device malfunction, incorrect wiring, or thermostat malfunction.	Check if the heating device works when plugged directly into an outlet. Ensure all connections are secure. Verify the set temperature is appropriate. If the issue persists, the thermostat may require service.

If these troubleshooting steps do not resolve the issue, please contact customer support.

## SPECIFICATIONS

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<b>Feature</b>	<b>Detail</b>
Brand	LUCKY HERP
Model	PID Dimming Thermostat
Special Feature	Reptile Dimming Thermostat
Max Output Load	300 Watts
Voltage	100-120 Volts (AC)
Frequency	60 Hertz
Control Method	Touch Buttons
Temperature Control Range	20°C - 50°C (68°F - 122°F)
Temperature Probe Length	69 inches (approx.)
Power Plug Cord Length	53 inches (approx.)
Power Socket Cord Length	21 inches (approx.)
Wire Gauge	18AWG
Item Weight	10.5 ounces
Package Dimensions	7.2 x 3.07 x 3.03 inches
Indoor/Outdoor Usage	Indoor

# How to Use

1. Connect the power and fix the temperature probe to the area to be monitored.
2. Press and hold the settings button for 3 seconds to start setting the temperature.
3. Press "▲" or "▼" to adjust the target temperature. Press "SET" again to confirm.



UP



DOWN



SET



## Switching °C/°F

Press the up and down keys simultaneously to switch between °C/°F.

Image: A detailed diagram illustrating the physical dimensions of the thermostat unit and the lengths of its various cables, including the temperature probe, power socket, and power plug.

## WARRANTY INFORMATION

Specific warranty details for the LUCKY HERP PID Reptile Dimming Thermostat are typically provided with the product packaging or on the manufacturer's official website. Please refer to these sources for comprehensive information regarding warranty coverage, terms, and conditions.

## CUSTOMER SUPPORT

For further assistance, technical support, or inquiries regarding your LUCKY HERP PID Reptile Dimming Thermostat, please refer to the contact information provided in your product packaging or visit the official LUCKY HERP website. When contacting support, please have your product model and purchase details ready.

