

## REPTITRIP PT02

# REPTITRIP PT02 Reptile Dimming Thermostat

## User Manual

### 1. INTRODUCTION

The REPTITRIP PT02 Reptile Dimming Thermostat is designed to provide precise and stable temperature control for various heating equipment in reptile enclosures, incubators, and plant breeding setups. Utilizing PID technology, it accurately adjusts output power to maintain a consistent temperature, minimizing fluctuations that can stress animals. This manual provides detailed instructions for the safe and effective use of your thermostat.

### 2. PRODUCT FEATURES

- **PID Technology:** Accurately controls device output power for stable and efficient temperature regulation, reducing sudden temperature changes. (*Note: Not for use with T5 lamps, fluorescent lamps, LED lamps, or sun lamps.*)
- **Real-time Temperature Monitoring:** Features a temperature probe that detects ambient temperature and adjusts output power accordingly. Control range: 68°F to 113°F (20°C to 45°C).
- **Enhanced Reptile Health:** Prevents temperature fluctuations and drastic lighting changes, contributing to the health and vitality of reptiles such as bearded dragons, lizards, ball pythons, chameleons, corn snakes, and turtles.
- **Versatile Applications:** Compatible with heating lamps, heating pads, and other equipment. Suitable for reptiles, amphibians, egg hatching, and plant seedlings. Maximum output load: 260W.
- **LCD Display:** Shows real-time output power and environmental temperature for clear monitoring. LCD backlight turns off after 20 seconds to minimize disturbance at night. Switchable between °F and °C.
- **Easy Operation:** Simply set the desired temperature, and the thermostat will maintain it. Ensure the temperature probe is placed correctly in the area requiring control.

### 3. SAFETY INFORMATION

Please read and understand all safety instructions before operating this device. Failure to do so may result in injury or damage to the product.

- Do not exceed the maximum output load of 260W.
- Ensure the thermostat is connected to a properly grounded power outlet.
- Keep the device and its probe away from water or excessive moisture.
- Do not use this thermostat with T5 lamps, fluorescent lamps, LED lamps, or sun lamps. It is designed for dimmable heating elements only.
- Regularly inspect the power cord and probe for any signs of damage. Discontinue use if damage is found.
- Keep out of reach of children and pets.

### 4. PACKAGE CONTENTS

- REPTITRIP PT02 Dimming Thermostat Unit
- Temperature Probe
- User Manual

### 5. PRODUCT OVERVIEW

Familiarize yourself with the components and display of your REPTITRIP PT02 thermostat.

# Buttons and Displays



Image: Labeled diagram of the REPTITRIP PT02 thermostat showing the Timer Display, Power Meter, Current Temperature, Output Power, Setting Temperature, Switching °F/°C, Temp Setup Button, and On/Off & Timer Setup Button.

- **LCD Display:** Shows current time, power meter, current temperature (PV), set temperature (SV), and output power percentage.
- **Minus (-) Button:** Decreases values during setting.
- **Plus (+) Button:** Increases values during setting.
- **SET Button:** Enters setting mode for time and temperature.
- **OK/Power Button:** Turns the device on/off and confirms settings.
- **Temperature Probe:** Detects ambient temperature.

## 6. SETUP INSTRUCTIONS

### 1. Placement of Temperature Probe:

Carefully place the temperature probe in the area where you want to control the temperature. Ensure it is not directly touching the heating element or submerged in water unless specifically

designed for such use. The probe detects if the current temperature reaches the set target.

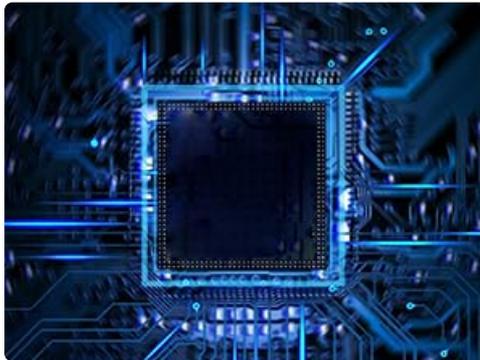


Image: A temperature probe is shown placed within a reptile enclosure, illustrating proper positioning for accurate temperature detection.

## 2. Power On:

Plug the thermostat into a standard 120VAC, 60Hz power outlet. Press the **OK** button to turn the device on.



Image: A finger pressing the 'OK' button on the thermostat to power it on.

## 3. Set Current Time:

Press the **SET** button. The time display will flash. Use the **-** and **+** buttons to adjust the hour and minute. Press **OK** to confirm each setting.



Image: The thermostat display showing the time setting interface, with a finger pressing the 'SET' button.

## 4. Connect Heating Device:

Plug your heating lamp or heat pad into the thermostat's output socket. Ensure the heating device is compatible with dimming control and does not exceed the 260W maximum load.



Image: The thermostat unit with its output socket connected to both a heat mat and a heat lamp, demonstrating its versatility.

## 7. OPERATING INSTRUCTIONS

### 1. Setting Target Temperature (SV):

With the device on, press the **SET** button once. The set temperature (SV) will flash. Use the **-** and **+** buttons to adjust the desired temperature. Press **OK** to confirm the setting. The thermostat will now work to maintain this temperature.



Image: A finger pressing the '+' button to increase the set temperature on the thermostat display.

### 2. Switching Temperature Units (°F/°C):

To switch between Fahrenheit and Celsius, press and hold the **SET** button for approximately 3 seconds until the unit flashes. Use the **-** or **+** button to select your preferred unit, then press **OK** to confirm.

### 3. Understanding the Display:

The display shows the current temperature (PV), the set temperature (SV), and the output power percentage. The power meter bars indicate the current power output to the heating device. As the ambient temperature approaches the set temperature, the output power will gradually decrease (dimming) to maintain stability.



Image: A graphical representation of the PID dimming thermostat operation, showing how output power (represented by light bulb brightness) is adjusted to maintain a stable set temperature.

#### 4. Timer Function (if applicable):

The thermostat supports a timer function for a set duration. To activate, press the **OK** button to turn on the device. Press **SET** to enter the time setting mode. Adjust the hours using the **-** and **+** buttons. Press **OK** to confirm. The device will maintain the set temperature for the specified duration. *Note: The device does not have an internal clock for setting a specific start time; the timer begins when activated.*

Setting Value

- Timer  
**12H**
- Setting Temperature  
**104°F**
- Meaning  
**Keep the temperature of 104°F in 12 hours**

**Note:**  
The device has no internal clock for setting a specific start time.

The thermostat display shows the following information:

- Top: 12H ON
- POWER METER: Full bar indicator
- PV: 90°F
- SV: 104°F
- Percentage: 100%

Buttons visible: -, +, TEMP, and a power/time button.

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Image: The thermostat display showing a timer set for 12 hours and a target temperature of 104°F, indicating the device will maintain this temperature for the set duration.

## 8. MAINTENANCE

- **Cleaning:** Disconnect the thermostat from power before cleaning. Wipe the unit 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. Avoid bending or damaging the probe cable.
- **Storage:** When not in use, store the thermostat in a cool, dry place away from direct sunlight.

## 9. TROUBLESHOOTING

Problem	Possible Cause	Solution
Thermostat not turning on.	No power, loose connection.	Check power outlet and ensure the thermostat is securely plugged in. Press the OK button to power on.
Temperature not reaching set target or fluctuating significantly.	Heating element too weak/strong, probe improperly placed, incompatible heating device.	Ensure heating element wattage is appropriate for the enclosure size. Reposition the probe away from direct heat or cold spots. Verify heating device compatibility (not for T5, fluorescent, LED, or sun lamps).
Display shows incomplete information (e.g., only '9' instead of '90').	Display malfunction.	Unplug the device, wait 30 seconds, and plug it back in. If the issue persists, contact customer support.
Heating element is always on/off, not dimming.	Incompatible heating element, thermostat malfunction.	Ensure the connected heating element is dimmable. Some heating elements are only on/off. If using a dimmable element and the issue persists, contact customer support.

## 10. SPECIFICATIONS

Feature	Specification
Brand	REPTITRIP
Model Number	PT02
Color	Black

Feature	Specification
Power/Wattage	260 watts (Max Output Load)
Voltage	120 Volts
Material	Acrylonitrile Butadiene Styrene (ABS)
Special Features	Dimmable
Item Weight	249 g
Temperature Control Range	68°F to 113°F (20°C to 45°C)
Temperature Control Type	Automatic (PID Thermostatic Control)
Connectivity Technology	Wired
Included Components	Dimmer Switch, Temperature sensor
Power Source	Corded Electric

## 11. WARRANTY AND SUPPORT

REPTITRIP products are designed for reliability and performance. For warranty information, technical support, or any questions regarding your PT02 Dimming Thermostat, please contact REPTITRIP customer service through the retailer where you purchased the product or visit the official REPTITRIP website for contact details. Please have your model number (PT02) and purchase information ready when contacting support.