REPTITRIP 8X12''-24W

REPTITRIP Reptile Heating Pad with PID Thermostat (Model 8X12''-24W) Instruction Manual

Model: 8X12"-24W

Overview	Setup	Operation	Safety Information Maintenance	Product Troubleshooting	Specifications	Support

INTRODUCTION

This manual provides instructions for the safe and effective use of your REPTITRIP Reptile Heating Pad with PID Thermostat. This device is designed to provide a controlled heat source for reptile terrariums, helping to maintain a stable and appropriate temperature for your pets. Please read all instructions carefully before installation and operation.

IMPORTANT SAFETY INFORMATION

Failure to follow these safety instructions may result in fire, electric shock, injury, or damage to the product or property.

- This product is intended for household use only, specifically for heating reptile terrariums.
- Do not immerse the heating pad or thermostat controller in water. The heating pad is waterproof (IP67 rated) but not designed for submersion.
- Do not use the heating pad if it is folded or creased. Ensure it lies flat.
- Do not use the heating pad directly on a metal tank, as this can lead to inefficient heating or damage.
- Prolonged application at high temperature settings can cause skin burns to animals. Always monitor the temperature carefully.
- Discontinue use immediately if the heating pad shows any signs of deterioration, such as cracking, blistering, or melting.
- The heating pad features a built-in temperature sensor that will stop heating if the internal temperature reaches 122°F (50°C) to prevent overheating.
- Keep out of reach of children and pets not intended for its use.

PRODUCT OVERVIEW

The REPTITRIP Reptile Heating Pad system includes a heating mat and an intelligent PID thermostat controller. It is designed to provide precise and stable temperature control for reptile habitats.

Key Features:

- **PID Intelligent Thermostat:** Accurately controls heating temperature for efficiency and stability.
- **Fast Heating:** 24W power heats to 113°F (45°C) in approximately 1 minute.
- **High Temperature Protection:** Automatically stops heating at 122°F (50°C).
- **Temperature Detection:** Built-in sensor and external probe for real-time temperature monitoring.
- **Durable Construction:** 5-layer design including PVC material, lagging, and heating layer.
- **Waterproof Design:** IP67 rated heating pad (do not immerse).
- **Adhesive Backing:** Equipped with 3M adhesive for secure mounting.

Image 1: The REPTITRIP Reptile Heating Pad and its PID thermostat controller with an external temperature probe.

5-Layer Design

The heating pad reaches the desired temperature in less than 1 minute.

PVC Material ▶

Lagging ▶

Heating layer ▶

Lagging ▶

PVC Material ▶

Image 2: Exploded view illustrating the 5-layer construction of the heating pad, including PVC material, lagging, and the central heating layer.

SETUP INSTRUCTIONS

1. **Choose Location:** Select a suitable location for the heating pad, typically on the bottom or side of a glass terrarium. Ensure the surface is clean and dry.

2. **Apply Heating Pad:** Remove the protective film from the 3M adhesive backing on the heating pad. Carefully press the pad firmly onto the chosen surface of the terrarium. Ensure there are no air bubbles or wrinkles.

3. **Position Temperature Probe:** Place the external temperature probe inside the terrarium, near the area where the heat is needed most, but away from direct contact with the heating pad to ensure accurate ambient temperature readings. Secure it to prevent movement.

4. **Connect Thermostat:** Plug the heating pad into the thermostat controller. Then, plug the thermostat controller into a standard electrical outlet.

Recommended Installation Location

Mounted on the bottom of a glass feeder
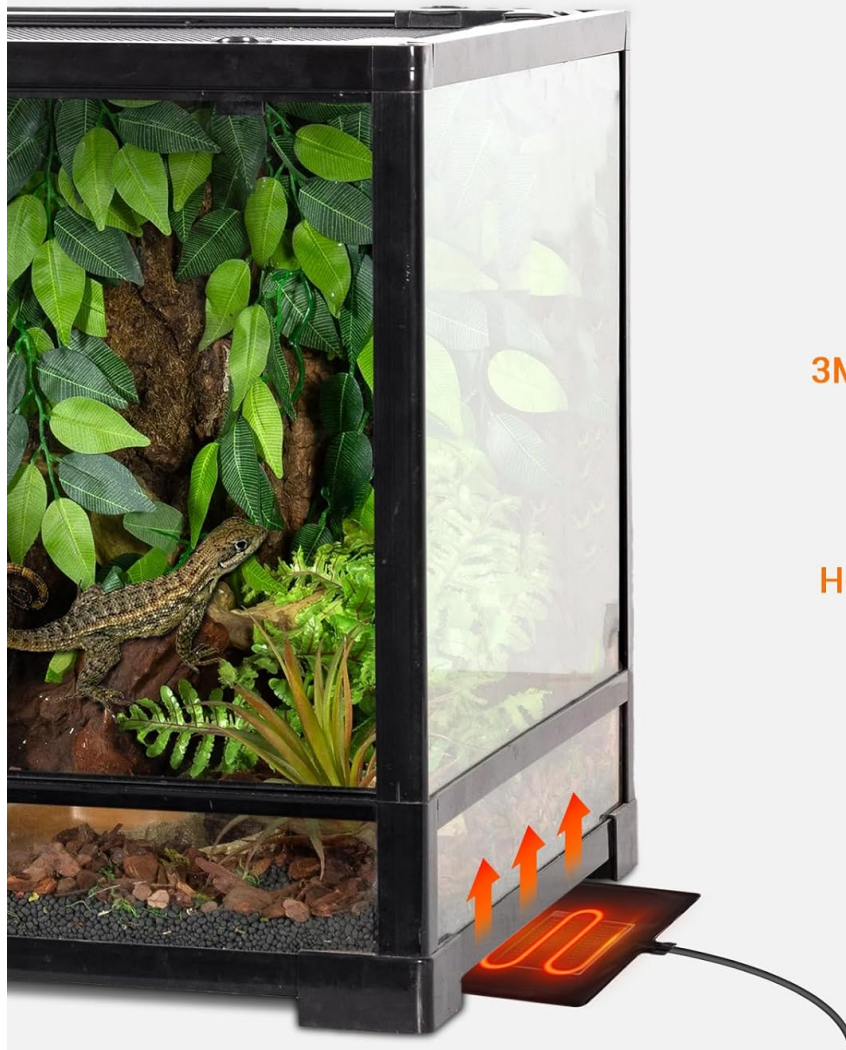
PID

3M adhesive backing

Heating temperature ≤122 °F/50 °C

°F or °C

Waterproof

Image 3: Diagram showing the recommended installation of the heating pad on the underside of a glass terrarium, with heat arrows indicating upward heat flow.

Image 4: An illustration detailing the dimensions of the heating pad (8x12 inches) and the controller, along with recommended terrarium volume (30-40 gallons).

Waterproof
Do not immerse in water

3M Adhesive paper
Covers the entire heating pad

Temperature probe
Waterproof and highly accurate

Image 5: Visual representation of key features including the waterproof design, 3M adhesive backing, and the highly accurate temperature probe.

OPERATING INSTRUCTIONS

The PID thermostat controller allows for precise temperature management. The controllable temperature range is 68°F to 113°F (20°C to 45°C).

Controller Functions:

Thermostatic Controller

Controllable temperature range 68-113°F/20-45°C

LCD

Time

Sensor Temperature

Setting temperature

Down :To Decrease

Up:To Increase

SET

ON/OFF

T1T2T3T4 ON OFF
AM 88:88
PM
POWER METER
PV °C/F 100%
SV °C/F

REPTITRIP

Image 6: Detailed view of the thermostatic controller, labeling the LCD display, sensor temperature, setting temperature, and control buttons.

- **LCD Display:** Shows current time, sensor temperature, set temperature, and power percentage.
- **ON/OFF Button:** Press and hold to power the unit on or off.
- **SET Button:** Press to enter temperature setting mode.
- **'+' Button:** Increases the set temperature or navigates menu options.
- **'-' Button:** Decreases the set temperature or navigates menu options.
- **OK Button:** Confirms selections.

Setting the Temperature:

1. Press the **SET** button. The set temperature display will begin to flash.
2. Use the **+** or **-** buttons to adjust the desired temperature.
3. Press the **OK** button to confirm your setting. The display will stop flashing.

Switching Between °F and °C:

To switch the temperature display between Fahrenheit (°F) and Celsius (°C), long press the **SET** button and the **+** button simultaneously.

PID Intelligent Thermostat
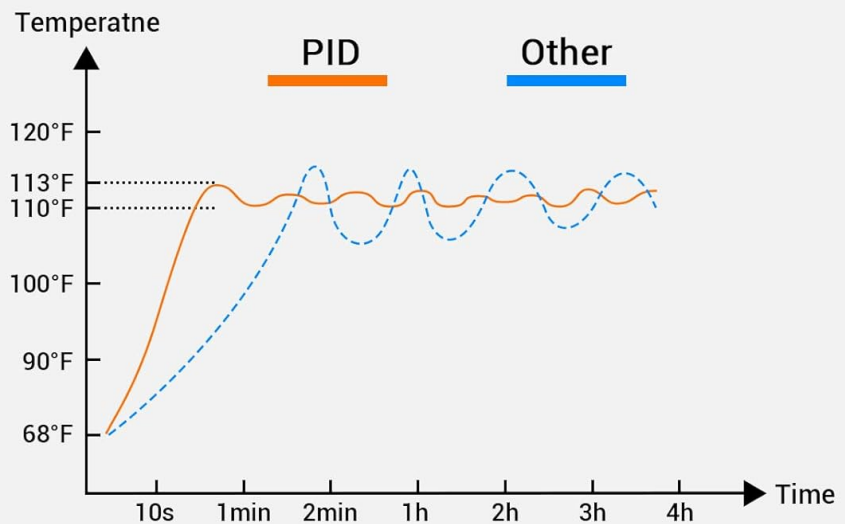
PID: Low temperature fluctuations, high power heating to 113°F, followed by low power to maintain a constant temperature

Other: Large temperature fluctuations, frequent opening and closing of heating pads for heating and cooling

Image 7: A graph illustrating the stable temperature control achieved by the PID intelligent thermostat (orange line) compared to the larger fluctuations of other heating systems (blue dashed line).

MAINTENANCE

- **Cleaning:** Disconnect the power before cleaning. Wipe the heating pad and controller with a damp cloth. Do not use abrasive cleaners or immerse in water.
- **Inspection:** Regularly inspect the heating pad and power cords for any signs of damage, wear, or deterioration. If any damage is observed, discontinue use and replace the unit.
- **Storage:** When not in use, store the heating pad and controller in a dry, cool place, away from direct sunlight and extreme temperatures.

TROUBLESHOOTING

- **No Power/Heating:**

  - Ensure the power cord is securely plugged into a working electrical outlet.
  - Check if the thermostat controller is powered on (press and hold the ON/OFF button).
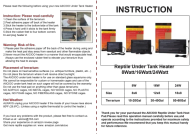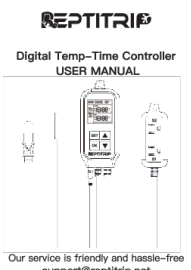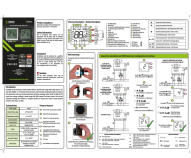 - Verify that the heating pad is correctly plugged into the thermostat controller.

- **Incorrect Temperature Reading:**

  - Ensure the external temperature probe is properly positioned within the terrarium and not directly touching the heating pad or other heat sources.
  - Check for any obstructions around the probe that might affect its reading.

- **Temperature Fluctuations:**

  - The PID system is designed for stable control, but significant external temperature changes or drafts can affect stability.
  - Ensure the terrarium is adequately insulated and placed in a stable environment.

- **Heating Pad Overheating (reaching 122°F/50°C):**

  - The built-in protection will temporarily stop heating. This is a safety feature.
  - Check if the set temperature is too high for the environment or if the pad is covered by insulating material that traps excessive heat.

SPECIFICATIONS

Feature	Detail
Model Number	HMT24N
Heating Pad Dimensions	8 x 12 inches (20.3 x 30.5 cm)
Power Output	24 Watts
Voltage	120V, 60Hz
Temperature Control Range	68°F to 113°F (20°C to 45°C)
High Temperature Protection	122°F (50°C)
Waterproof Rating	IP67 (Heating Pad)
Power Cord Length	70 inches (approx. 178 cm)
Probe Cord Length	60 inches (approx. 152 cm)
Recommended Tank Size	30-40 Gallons
Manufacturer	REPTITRIP

WARRANTY AND CUSTOMER SUPPORT

For warranty information, technical assistance, or customer support, please refer to the contact information provided with your purchase or visit the official REPTITRIP website. Keep your purchase receipt as proof of purchase.

Related Documents - 8X12"-24W

		AIICIOO Reptile Under Tank Heater Installation and Safety Guide
		Comprehensive guide for installing and safely using the AIICIOO Reptile Under Tank Heater (8W, 16W, 24W). Includes placement instructions, fire risk warnings, and terrarium compatibility details for optimal reptile care.
		ReptiTrip Digital Temp-Time Controller User Manual User manual for the ReptiTrip Digital Temp-Time Controller (SOP24), detailing its features, specifications, setup, programming, and warranty information. This device is a dual-relay output temperature controller suitable for various applications like aquariums, pet breeding, and incubation.
		Westfalia LED Plant Grow Light 24W - User Manual, Safety, and Specifications Official user manual and safety guide for the Westfalia LED Plant Grow Light 24W (Article No. 95 14 08). Includes setup, operation, technical data, safety precautions, and disposal information.
		**ENGO EFAN-24W/EFAN-24B Fan Coil Thermostat Quick Guide	Smart Climate Control** Discover the ENGO EFAN-24W and EFAN-24B Fan Coil Thermostat. This quick guide covers installation, configuration, and features like 0..10V control, ECO mode, and support for 2-pipe/4-pipe and mixed systems for optimal home climate control.
		ENGO Controls Product Catalog 2024: Smart Home Heating Solutions Explore the ENGO Controls 2024 Product Catalog for innovative smart home heating solutions. Discover thermostats, gateways, sensors, and more designed for simplicity, reliability, and energy efficiency.
		LED Ceiling Light User Manual and Installation Guide Comprehensive user manual for the Keepsmile LED Ceiling Light (Model HX-XDD01), covering installation, troubleshooting, app control, and remote operation. Learn about product features, safety instructions, and technical specifications.