Exo Terra PT2454

Exo Terra Thermostat with Day and Night Timer (Model PT2454)

User Instruction Manual

1. INTRODUCTION

The Exo Terra Thermostat with Day and Night Timer is designed to provide precise temperature control for reptile terrariums. This device allows for the creation of optimal temperature gradients and humidity levels, crucial for the health and well-being of reptiles and amphibians. It features a programmable day and night cycle, ensuring stable environmental conditions similar to natural habitats, and helps prevent temperature fluctuations that can be detrimental to your animals.

This manual provides detailed instructions for the safe and effective setup, operation, and maintenance of your Exo Terra Thermostat.

2. IMPORTANT SAFETY INSTRUCTIONS

Please read and understand all safety instructions before using the Exo Terra Thermostat. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- Ensure the thermostat is connected to a properly grounded electrical outlet.
- Do not immerse the thermostat unit in water or expose it to excessive moisture.
- Keep the thermostat and its power cords away from water sources and areas where they could be chewed by pets.
- Always unplug the unit from the power outlet before performing any maintenance or when not in use.
- Do not exceed the maximum connected wattage of 600W for heating devices.
- Position the temperature probe securely within the terrarium, ensuring it is not directly exposed to heating elements or direct light, which could lead to inaccurate readings.
- Regularly inspect the power cord and probe for any signs of damage. Do not use if damaged.
- This device is intended for indoor use only.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- Exo Terra Thermostat Unit (Model PT2454)

- Waterproof Remote Temperature Probe
- Instruction Manual

4. KEY FEATURES

- Dimming and Pulse Proportional function controls terrarium temperatures very accurately.
- Daytime and night-time temperature can be set individually from 50°F ~ 140°F (10°C ~ 60°C).
- Easy-to-read blue LCD screen shows actual and set temperature.
- Red LED and heating symbol will indicate when heating device is ON.
- Controls heating devices up to 600W and is ideal for use with Heat Mats, Heat Cables, Ceramic Heaters and Heat Bulbs.

5. SETUP GUIDE

Follow these steps to set up your Exo Terra Thermostat:

1. **Unpack the Unit:** Carefully remove the thermostat and all components from the packaging.

2. **Mounting:** The thermostat is designed for wall mounting. Choose a suitable location near your terrarium, away from direct sunlight or heat sources, and secure it using appropriate fasteners (not included).

3. **Probe Placement:** Insert the waterproof remote temperature probe into the terrarium. Position the probe tip at the desired temperature monitoring location, typically at the substrate level or where your reptile spends most of its time. Ensure the probe is not in direct contact with heating elements or water, and is secured to prevent accidental movement.

4. **Connect Heating Device:** Plug your heating device (e.g., heat mat, heat cable, ceramic heater, heat bulb) into the power outlet on the thermostat unit. Ensure the total wattage of connected devices does not exceed 600W.

5. **Power On:** Plug the thermostat's power cord into a grounded electrical outlet. The LCD screen will illuminate.

Image: Exo Terra Thermostat unit, showing the main device with its digital display.

6. OPERATING INSTRUCTIONS

The Exo Terra Thermostat features a user-friendly interface with a push button/dial system for setting temperatures and timer functions.

6.1. Setting Day Temperature

1. Press and hold the 'SET' button (or equivalent button for setting) for approximately 3-4 seconds until the day temperature display starts flashing.

2. Rotate the dial (or use arrow buttons) to adjust the desired daytime temperature. The range is 50°F to 140°F (10°C to 60°C).

3. Press the 'SET' button again to confirm the setting.

6.2. Setting Night Temperature

1. After setting the day temperature, the night temperature display will typically start flashing automatically, or you may need to press 'SET' again to cycle to it.

2. Rotate the dial to adjust the desired nighttime temperature.

3. Press the 'SET' button to confirm the setting.

6.3. Setting Day/Night Cycle Timer

The thermostat allows you to program the transition between day and night temperatures.

1. Refer to the specific instructions in your product's included manual for detailed timer programming steps, as these can vary slightly by firmware version. Generally, you will access a timer setting mode by pressing and holding a dedicated 'TIMER' or 'MODE' button.

2. Set the desired start time for the day cycle and the start time for the night cycle.

3. Confirm your settings to activate the timed temperature transitions.

6.4. Understanding the Display and Indicators

- **Blue LCD Screen:** Displays the current temperature measured by the probe and the set temperature.
- **Red LED Indicator:** Illuminates when the connected heating device is actively receiving power (ON).
- **Heating Symbol:** An icon on the LCD screen that indicates when the heating function is active.

Image: Close-up of the thermostat's LCD display, showing temperature and other indicators.

7. MAINTENANCE

Proper maintenance ensures the longevity and accurate operation of your thermostat.

- **Cleaning:** Periodically wipe the thermostat unit with a soft, dry cloth. Do not use abrasive cleaners or solvents. Ensure the unit is unplugged before cleaning.
- **Probe Inspection:** Regularly check the temperature probe for any signs of wear, damage, or mineral buildup. Clean the probe gently if necessary, ensuring it remains waterproof.
- **Temperature Verification:** It is recommended to periodically verify the thermostat's readings with a separate, calibrated thermometer to ensure accuracy, especially after any changes to the terrarium setup.

8. TROUBLESHOOTING

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

- **No Power to Unit:**
  - Check if the power cord is securely plugged into a functional electrical outlet.
  - Verify that the outlet itself is receiving power.

- **Heating Device Not Activating:**
  - Ensure the heating device is properly plugged into the thermostat's outlet.
  - Check that the set temperature is higher than the current terrarium temperature.
  - Confirm the heating device is functional by plugging it directly into a wall outlet (briefly, for testing).
  - Verify that the total wattage of connected devices does not exceed 600W.

- **Inaccurate Temperature Readings or Overheating:**
  - Check the temperature probe's placement. It should be in the desired monitoring area, not directly on a heating element or in direct light.
  - Inspect the probe cable for any kinks, cuts, or damage. A damaged probe can lead to incorrect readings or malfunctions. If damage is suspected, contact customer support.

- Compare the thermostat's reading with a separate, reliable thermometer placed near the probe.

- **Control Knob/Buttons Unresponsive:**

  - Ensure you are following the correct procedure for adjusting settings (e.g., pressing and holding the 'SET' button for 3-4 seconds).
  - If the control mechanism remains unresponsive after following instructions, the unit may require service. Contact customer support.

9. TECHNICAL SPECIFICATIONS

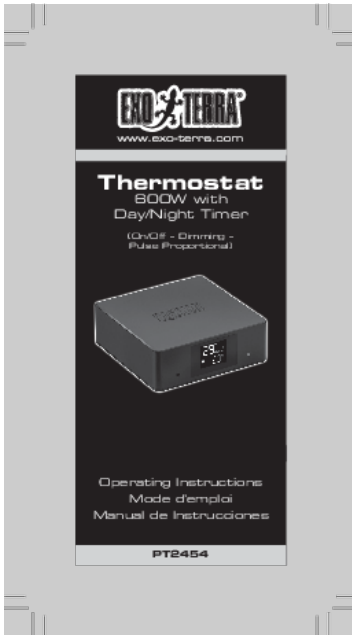|	
Brand	Exo Terra
Model Name	ExoTerra Thermostat with Timer 600W
Model Number	PT2454
Controller Type	Exo Terra
Special Feature	Dimming and Pulse Proportional function, Day and Night Timer, Visual Heating Status Indicator
Color	Black
Specific Uses	Indoor, Reptile & Amphibian Terrariums
Temperature Control Type	Programmable
Connectivity Technology	Corded Electric
Included Components	Waterproof remote temperature probe, push button/dial system
Power Source	Corded Electric
Item Weight	780 Grams (1.72 pounds)
Voltage	3.6 Volts
Material	Plastic
Display Type	LCD (with Backlight)
Control Type	Button Control, Remote
Wattage	600 watts
UPC	015561224543
Manufacturer	Rolf C. Hagen (USA) Corp.

10. WARRANTY AND CUSTOMER SUPPORT

Exo Terra products are manufactured to high-quality standards. For information regarding warranty coverage, please refer to the warranty card included with your product or visit the official Exo Terra website.

For technical assistance, troubleshooting not covered in this manual, or to inquire about replacement parts, please contact Exo Terra customer support through their official website or the retailer where the product was purchased.

Related Documents - PT2454

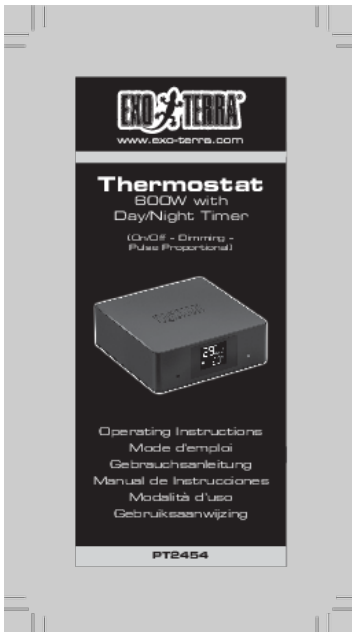|	
	Exo Terra Monsoon Nano Misting System (PT2479) - Instruction Manual Comprehensive instruction manual for the Exo Terra Monsoon Nano misting system, detailing setup, operation, and maintenance for reptile terrariums.
	Exo Terra Wire Light PT2060/PT2062: Operating Instructions and Safety Guide Comprehensive operating instructions, safety guidelines, and installation details for the Exo Terra Wire Light (models PT2060 and PT2062), featuring heat-resistant porcelain sockets for reptile terrariums.
	Exo Terra Compact Top Terrarium Canopy - Operating Instructions and Manual Detailed operating instructions, installation guide, safety precautions, and warranty information for the Exo Terra Compact Top Terrarium Canopy, designed to provide optimal lighting for reptiles and amphibians. Includes model specifications, maintenance, and service contact details.
	Exo Terra TerraSky UV UVB LED Terrarium Bulb PT2425 - Operating Instructions and Safety Guide Comprehensive operating instructions, safety warnings, installation guide, and warranty information for the Exo Terra TerraSky UV UVB LED Terrarium Bulb (PT2425).
	Exo Terra Pro Terrarium: Operating Instructions and Setup Guide Comprehensive guide to setting up and using the Exo Terra Pro Terrarium and Pro Paludarium, including features like integrated locks, adjustable ventilation, and security options. Learn how to provide a safe and enriching habitat for your reptiles and amphibians.
	Exo Terra Pro Paludarium: Operating and Installation Guide Comprehensive guide for setting up and operating the Exo Terra Pro Paludarium, including installation instructions for the bottom drain, door locks, ventilation, and security features, along with product advisories and maintenance information.

[pdf] User Manual Instructions

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