

**Luxbird 5ef220c7-4315-4ff4-8f45-52be2a67d324**

## **LUXBIRD Reptile Thermostat Controller**

Model: LB-2SC New Ver. (ASIN: B0CQLC86ZR)

### **INTRODUCTION**

The LUXBIRD Reptile Thermostat Controller is a versatile and precise device designed for maintaining optimal temperature conditions in various environments, including reptile habitats, terrariums, and plant propagation setups. This 2-in-1 digital thermostat features dual independent outputs, allowing you to control two separate heating elements simultaneously with distinct temperature settings. Equipped with intelligent constant temperature capabilities, high/low temperature alarms, and a user-friendly interface, it ensures a stable and safe environment for your animals and plants. Its power-off memory function retains your settings even after a power interruption, providing added convenience and reliability.



Image: The LUXBIRD Reptile Thermostat Controller unit with its two temperature probes, showcasing its compact design and digital display.

## KEY FEATURES

- **2-in-1 Dual Output:** Capable of controlling two independent heating outputs, each with its own temperature setting. Supports heating only.
- **Easy To Use:** Designed for simple setup and operation with an easy-to-read LCD screen. Features two angled sockets to prevent wire tangling and supports temperature unit switching (°F/°C).
- **Intelligent Constant Temperature:** Each outlet supports up to 250 watts. Temperature control range from 32.0°F (0°C) to 113°F (45°C).
- **Safe and Reliable:** Includes high/low temperature alarms and probe abnormality alarms to alert users of potential issues, preventing damage and ensuring safety.
- **Premium Temperature Probes:** Comes with two high-quality temperature probes for accurate monitoring of current and target temperatures.
- **Power-Off Memory:** Retains all settings even after a power outage, eliminating the need for re-configuration.

# Dual Output Reptile Thermostat



Dual Control



Dual Probe



°C/°F Switch



Easy To Use



Temperature Alarm



Image: Visual representation of the thermostat's key features, including dual control, dual probes, °C/°F switch, ease of use, and temperature alarm.





Image: A collage demonstrating the wide range of pets (turtles, lizards, frogs, snakes, chicks) for which the LUXBIRD thermostat can provide a warm environment.

## SPECIFICATIONS

Brand	Luxbird
Model Number	LB-2SC New Ver. (5ef220c7-4315-4ff4-8f45-52be2a67d324)
Product Dimensions	3"D x 4"W x 7"H
Item Weight	12.6 ounces
Controller Type	Push Button
Special Feature	Temperature Display, Power-Off Memory

Color	Green
Specific Uses	Heat Pump, Reptile Heat Pad, Plant Propagation
Temperature Control Type	Heating Only
Included Components	Thermostat Unit, 2 Temperature Probes
Power Source	Corded Electric
Voltage	120 Volts
Max Wattage Per Outlet	250 Watts
Material	Plastic
Display Type	LCD
Mounting Type	Hook Mount
Temperature Range	32.0°F (0°C) to 113°F (45°C)

# High/Low Temperature Alarm

*Alert us when the detected temperature is beyond our desired range. It also supports probe abnormality alarms.*



Image: Illustration of the thermostat's wide temperature control range, suitable for various applications including reptiles and plants.

## SETUP INSTRUCTIONS

1. **Unpack the Device:** Carefully remove the thermostat unit and its two temperature probes from the packaging.
2. **Connect Probes:** Insert the two temperature probes into the designated probe sockets (P1 and P2) on the side of the thermostat. Ensure they are fully inserted.
3. **Position Probes:** Place the probe tips in the desired locations within your habitat or growing area where you want to monitor and control the temperature. Ensure the probes are not directly exposed to heating elements or water unless designed for submersible use.
4. **Connect Heating Devices:** Plug your heating mats, heat lamps, or other heating devices into the "WORK1" and "WORK2" thermostat sockets at the bottom of the unit. Each socket corresponds to a probe (P1 for WORK1, P2 for WORK2). Ensure the total wattage for each outlet does not exceed 250 watts.
5. **Mount the Thermostat:** Use the integrated hook mount to hang the thermostat in a convenient and safe location, away from direct heat or moisture.



6. **Power On:** Plug the thermostat's power cord into a standard 120V AC electrical outlet. The LCD screen will illuminate, displaying the current temperature readings.



Image: A visual guide demonstrating how to connect the thermostat to power and heating devices for both reptile enclosures and plant propagation.

## OPERATING INSTRUCTIONS

### Understanding the Display

# Maintain Optimal Temperature for Pets/Plants






Image: Detailed view of the thermostat's control panel, highlighting the LCD display elements and button functions.

**Current Temperature:** Displays the real-time temperature detected by the probes (P1 and P2).





**P1/P2 SET TEMP:** Shows the target temperature set for each output.

**Heating Indicator (W1/W2):** Illuminates when the corresponding heating outlet (WORK1/WORK2) is active.

## Buttons:

-  (Setting Button): Used to enter and navigate through settings.
-  (Down Button): Decreases values or moves through options.
-  (Up Button): Increases values or moves through options.

## Setting the Temperature

1. **Select Output:** Press the  button once to enter the setting mode. The P1 SET TEMP will start flashing. Press  again to switch between P1 and P2 settings.
2. **Adjust Target Temperature:** Use the  (Up) or  (Down) buttons to set your desired target temperature for the selected output (P1 or P2).



3. **Confirm Setting:** Press the  $\equiv$  button again to confirm the setting and move to the next parameter, or wait a few seconds for the display to return to normal operation, saving your changes automatically.

### Switching Temperature Units (°F/°C)

To switch between Fahrenheit (°F) and Celsius (°C):

- With the device powered on and in normal display mode, press and hold the  $\wedge$  (Up) button for approximately 3 seconds. The temperature unit will toggle between °F and °C.

### Alarm Settings (High/Low Temperature & Probe Abnormality)





The thermostat is equipped with alarm functions to alert you to critical temperature deviations or probe issues.



Image: The thermostat displaying an alarm, indicating a temperature outside the set range or a probe issue.

- **High/Low Temperature Alarm:** If the detected temperature goes above your set high limit or below your set low limit, the thermostat will beep and display an alarm icon.
- **Probe Abnormality Alarm:** If a probe is disconnected or faulty, the thermostat will display an error message (e.g., "ERR") and sound an alarm.

- **Adjusting Alarm Limits:**

- a. Press the  button multiple times until the alarm setting (e.g., "AL" for low alarm, "AH" for high alarm) flashes.
- b. Use the  (Up) or  (Down) buttons to adjust the desired alarm threshold.
- c. Press  to confirm and move to the next setting, or wait for auto-save.

- **Silencing Alarms:** Alarms will typically stop once the temperature returns to the safe range or the probe issue is resolved. Some models may allow temporary silencing by pressing any button.

## MAINTENANCE

- **Cleaning:** Regularly wipe the thermostat unit with a soft, dry cloth. Do not use abrasive cleaners or immerse the unit in water.
- **Probe Care:** Keep the temperature probes clean. If used in moist environments, ensure they are wiped dry periodically to prevent mineral buildup. Avoid bending or kinking the probe wires excessively.
- **Connection Check:** Periodically check all cable connections (probes, heating devices, power cord) to ensure they are secure and free from damage.
- **Storage:** If storing the unit for an extended period, disconnect it from power, clean it thoroughly, and store it in a cool, dry place.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
<b>Display is blank or not turning on.</b>	No power, loose connection, power outage.	Ensure the power cord is securely plugged into a live outlet. Check the power source.
<b>Temperature reading is inaccurate.</b>	Probe not properly inserted, faulty probe, probe placed incorrectly.	Ensure probes are fully inserted into P1/P2 sockets. Verify probe placement is accurate for the area being measured. If issue persists, the probe may need replacement.
<b>Heating device not turning on/off as expected.</b>	Incorrect temperature setting, heating device faulty, thermostat outlet faulty.	Check your set temperature (P1/P2 SET TEMP) and ensure it's within the desired range. Verify the heating device is working by plugging it directly into a wall outlet. Ensure the heating indicator (W1/W2) is illuminating when heating should be active.
<b>Alarm is sounding.</b>	Temperature outside set alarm limits, probe abnormality.	Check the current temperature against your high/low alarm settings. If "ERR" is displayed, check probe connections. Adjust alarm limits if necessary.
<b>Screen is dim.</b>	This model does not feature a backlit screen.	This is normal operation for this model. Use external light if needed in dark environments.

## WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the documentation included with your purchase or contact Luxbird customer service directly. You can often find support contact details on the manufacturer's official website or through the retailer where you purchased the product.

For additional resources and product information, visit the [Luxbird Store on Amazon](#).