



BLUEPRINT

Controllers

Thank you for choosing to grow with Blueprint Controllers! Your satisfaction and success are important to us. For best results, carefully read the following instructions before using your Blueprint Controller.

Features of your Blueprint Day/Night Temperature Controller, BTC-1

- Controls heating or cooling devices
- Precise temperature sensor
- Wall-mountable
- 3-year warranty
- ETL Listed

Specifications

Input Voltage: 120V
Maximum Amperage: 14.5A @ 120V
Temperature Control Range: 45-95°F
Separate Day and Night Settings: Photocell Control
Temperature Accuracy: $\pm 1.5^\circ\text{F}$
Temperature Deadband: 3°F
Dimensions: 3" x 6" x 3.5"

Installation

- Plug the Controller into a NEMA 5-15 wall outlet with a 120V power supply. To install the Controller permanently, secure the mounting tab at the top of the unit to the wall.
- Plug the device to be controlled into the receptacle on the front of the Controller. Ensure the device being connected to the Controller has the proper voltage and will not exceed the maximum amperage rating of the Controller.

⚠ CAUTION Do not expose the Controller to water.

Selecting Cooling or Heating Mode

Use the two knobs on the front of the unit to select Cooling or Heating mode based on the device to be controlled by the unit.

Cooling Mode

To select Cooling mode, rotate both knobs fully counterclockwise. After a few seconds, the LEDs on the front of the unit will flash. When they stop flashing, the LED labeled "Cool" will remain illuminated to indicate the mode has been set.

Heating Mode

To select Heating mode, rotate both knobs fully clockwise. After a few seconds, the LEDs on the front of the unit will flash. When they stop flashing, the LED labeled "Heat" will remain illuminated to indicate the mode has been set.

Adjusting Temperature Settings

The temperature settings can be adjusted after the mode has been selected. Use the "Set Day" and "Set Night" knobs to select the desired day and night temperature settings. When the ambient temperature reaches the set-point, the Controller activates the connected device. The Controller has a deadband range of 3°F which prevents the Controller from activating heat and/or cooling devices in rapid succession. This conserves energy by providing a range of temperatures requiring no energy consumption. The "Output ON" LED illuminates when the receptacle is powered.



FAQ

- **How do I know if the photocell is working correctly?**
The LED labeled "Daytime" on the top right edge of the unit will illuminate when the photocell is in Day mode. The photocell changes status on a 20-second delay.

Troubleshooting

- **The Controller seems to be inaccurately measuring the ambient temperature.**
Ensure the protective cage housing the temperature sensor on the bottom of the unit is not exposed to direct sunlight or other conditions that may cause misleading temperature readings.
- **The connected device is not being powered.**
Ensure the device to be controlled is working correctly by plugging the device into a reliable power source. Verify the Controller is being supplied the correct voltage.

Blueprint 3-Year Limited Warranty

All Blueprint Day/Night Temperature Controllers are protected against manufacturer defect by a limited 3-year manufacturer's warranty.

Limited 3-Year Warranty Terms

Sunleaves Garden Products warrants that the Blueprint Day/Night Temperature Controller will remain free from appearance of defects in workmanship and materials for 3 years from date of original retail purchase. This warranty is subject to the following limitations: (a) manufacturer's liability is limited to the replacement or repair of the unit, as decided by the manufacturer; (b) a defective unit must be returned, prepaid, with proof of purchase to the point of purchase or as instructed below; and (c) this warranty does not apply to defects resulting from the alteration, abuse, accidental damage, unauthorized repair or misuse of the unit. This warranty is given in lieu of all other warranties, guarantees and conditions on manufacturer's part, and the manufacturer shall have no tortious or other liability in respect to this Blueprint Day/Night Temperature Controller.

Blueprint Day/Night Temperature Controller Warranty Is Void If:

- NOT ACCOMPANIED BY THE ORIGINAL PROOF OF PURCHASE.
- BLUEPRINT DAY/NIGHT TEMPERATURE CONTROLLER HAS BEEN USED IN A NONSTANDARD WAY, INCLUDING GENERAL MISUSE AND OUTDOOR USE.
- BLUEPRINT DAY/NIGHT TEMPERATURE CONTROLLER HAS BEEN DAMAGED AS A RESULT OF ACCIDENT, IMPROPER INSTALLATION, ALTERATION, OR FIRE, FLOOD OR OTHER NATURAL DISASTER.

Sunleaves Garden Products

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Sunleaves Product Warranty Claims

To obtain warranty service in the unlikely event that your product fails to operate, return the product to the place of purchase. Often the retailer will be able to examine the product in closer detail, determine the problem and even fix the product on site.

If the retailer is unable to resolve the problem:

1. Call our toll-free number at 888-464-9676 or email info@sunleaves.com to receive warranty information and your RMA number if the product is being returned.
2. In the unlikely event you must return the defective product to Sunleaves, carefully package the problem product.
3. Complete the form below and enclose it with your shipment along with a legible copy of your properly dated sales receipt. You must write your RMA number on the outside of the package. Because Sunleaves is not responsible for products damaged in shipping, we recommend insuring your package.

Don't forget to include the following items if you are returning your Blueprint Day/Night Temperature Controller to the place of purchase:

- Legible copy of your properly dated sales receipt
- This completed form



Name:

Address:

Phone #:

Email Address:

RMA #

Explain the problem:

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