



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 Analog Atmosphere Controller.



Features of your Blueprint Analog Atmosphere Controller

- Precisely controls up to four 120V devices
- Dedicated receptacles for temperature, humidity and CO₂ regulation
- Allows independent or simultaneous temperature and humidity control
- Remote sensor on a 15' cable accurately monitors temperature, humidity and light
- Integrated circuit breaker protection
- 3-year warranty

Specifications

Specifications

Input Voltage: 120V

Maximum Amperage: 14.5A @ 120V

Temperature Control Range: 41-113°F

Temperature Accuracy: ± 1°F

Temperature Deadband: 3°F

Humidity Control Range: 5-95% RH

Humidity Accuracy: ± 3% RH

Humidity Deadband: 5% RH

Dimensions: 9" x 7" x 3.75"

Installation

- Mount the Controller on the wall. Place the remote sensor at plant height in an area with good air circulation. Avoid placing the sensor in a location with direct, intense exposure to light.
- Connect the sensor cable to the bottom of the unit using the quick-disconnect screw.
- Plug the Controller into a 120V NEMA 5-15 wall outlet.
- Flip the switch on the bottom of the unit to the ON position. Allow the Controller to warm up for 5 minutes.
- Program desired settings before connecting any devices.
- Power on all connected devices.



Caution

- Ensure the devices being connected to the Controller have the proper voltage and will not exceed the maximum amperage rating of the unit.



Warning

- Do not expose the unit to water.

Selecting Temperature and Humidity Settings

Temperature: Use the knob labeled “Temperature °F/°C” to set the maximum temperature for the growing area. The cooling output will be activated when this temperature set-point is reached. Because the temperature control has a deadband of 3°F, the cooling output will remain activated until the temperature has been lowered by 3°F.

Humidity: Use the knob labeled “Humidity %” to set the desired humidity level. The humidity output will be activated when this humidity set-point is reached. Because the humidity control has a deadband of 5% RH, the humidity output will remain activated until the humidity has risen or lowered 5% RH, depending on which mode is selected.

Selecting Mode

Press the “Select Mode” button until desired mode LED is illuminated.

Mode A: Independently lowers the temperature and decreases humidity. Set the temperature and humidity knobs to the desired set-points. The cooling output will be activated until the temperature set-point is reached, and the humidity output will be activated until the humidity set-point is reached.

Mode B: Simultaneously lowers the temperature and decreases humidity. Set the temperature and humidity knobs to the desired set-points. The temperature and humidity outputs will both be activated until either the temperature or humidity set-point is reached.

Mode C: Independently lowers the temperature and increases humidity. Set the temperature and humidity knobs to the desired set-points. The cooling output will be activated until the temperature set-point is reached, and the humidity output will be activated until the humidity set-point is reached.

Night Output

The Controller activates the night output when there is not enough light present to activate the photocell on the remote sensor. The night output will be activated when the “Daytime Mode (Photocell)” LED is not illuminated. Use this output to power devices that will run only during night cycles.

Troubleshooting

• **Why are the “MODE” LEDs on the front of the unit flashing?**

If the unit detects an error with the remote sensor, the “MODE” LEDs will flash. Turn the unit off. Disconnect and reconnect the sensor.

• **Why is the humidity increasing instead of decreasing as expected, or vice versa?**

The humidity can be set to increase or decrease. Select Mode A or B to decrease humidity, and Mode C to increase humidity.

• **Why isn't the CO₂ output being activated?**

The CO₂ output will be activated only when the LED labeled “Daytime Mode (Photocell)” is illuminated. Ensure the remote sensor is receiving enough light to activate the photocell. The CO₂ output will also be deactivated when the cooling output is activated.

• **Why isn't the Controller powering the connected devices?**

Reset the circuit breaker. Ensure the devices to be controlled are working correctly by plugging the devices into a reliable power source. Verify the Controller is being supplied the correct voltage. If the problem persists, reduce the number of connected devices.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Blueprint 3-Year Limited Warranty

All Blueprint Analog Atmosphere 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 Analog Atmosphere 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 Analog Atmosphere Controller.

Blueprint Analog Atmosphere Controller Warranty Is Void If:

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

Sunleaves Garden Products

7854 North State Road 37
Bloomington, IN 47404

Phone: 888-464-9676
Email: info@sunleaves.com

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 Analog Atmosphere 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:

.....

.....