



TITAN[®]
CONTROLS

ZEPHYR™ 3

Heating/Cooling Controller
Instruction Manual



Zephyr™ 3

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Warnings & Cautions

- Read all instructions before operating controller.
- Do not put your controller in an area where it can get wet or sprayed.
- Mount your controller securely to the wall using hardware provided.
- When using “bug bombs” in area, cover controller completely to avoid corrosion.
- There are no serviceable parts in controller. Do not attempt to repair the unit.
- Breaking tamper proof seal will void your warranty.
- Do not put paperclips, tools, etc. into unit. Possible electrocution may occur.
- Plug controller into surge protector to avoid potential damage to the unit.
- Confirm that your power source is 120 Volts/15 Amps prior to plugging controller into outlet.
- Check that all equipment that will be activated by this controller is the proper voltage.
- Verify that the equipment you are controlling does not exceed a total of 15 amps.
- This controller is designed for “inside use” only.
- Avoid placing the controller near heat generating sources such as a CO2 Generator.
- Use caution if operating controller in extremely humid environments (90% and above).
- Do not use controller for purposes other than the unit was designed to function
- Use controller within defined environmental specifications.
- Ask your Dealer for tips and techniques regarding the use of this controller.
- Be conscientious when disposing of any products.
- Enjoy your Titan Controls® lighting controller for years to come!

Zephyr™ 3 – Heating/Cooling Controller Overview

The Zephyr™ 3 is used to maintain the temperature level in your growing environment. The temperature can be adjusted by setting the dial on the front of the controller to your preferred setting. When the Zephyr™ 3 is in the COOLING MODE and the temperature exceeds the predetermined setting, the piggyback cord set is activated and will operate the exhaust fan until the temperature is lower than the preferred set point. When the Zephyr™ 3 is in the HEATING MODE and the temperature is below the predetermined setting, then the piggyback cord set is activated and will operate the heater (1500 Watts or less) until the temperature is higher than the preferred set point. The Zephyr™ 3 operates up to 15 amps maximum capacity on a standard 120 Volt circuit. Built with the highest quality components, the Zephyr™ 3 will provide the user with years of trouble free service. Controllers created for our industry, by our industry!

Instructions for Operation

- Securely mount your Zephyr™ 3 in your grow area and away from any moisture, spray, pesticides, etc. using the hardware provided.
- Set green rocker switch in either COOLING or HEATING mode.
- Plug the exhaust fan or heater into the piggyback cord set.
- Turn the fan 'ON' to the fastest setting possible, if adjustable.
- OR set the heater at the highest setting possible, if adjustable.
- Set the 'Temperature' dial at the preferred temperature level for your garden.
- Finally, plug the Zephyr™ 3 into a dedicated 120 Volt – 15 Amp power source.
- Use of a surge protection device is recommended to protect your Zephyr™ 3 from potential power damage in areas where this may be an issue.
- Your Zephyr™ 3 will now control your equipment at the desired setting.

Troubleshooting Tips

If the Zephyr™ 3 is not performing as expected, try the following:

- a. Confirm that your power input source is active by using a voltage test meter, and verify that the power input source is providing 120 Volts of power to the Zephyr™ 3.
- b. Validate that the power outlet of the Zephyr™ 3 is active by setting the switch in the COOL mode and put the temperature dial at the lowest setting. Then use a voltage test meter to verify power is flowing through the controller to the power outlet.

Troubleshooting Tips, Continued

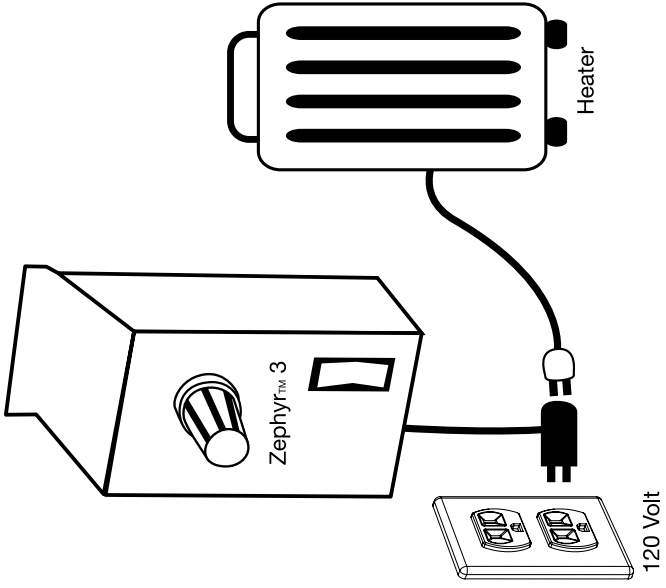
- c. Ensure that the exhaust fan is 'ON' and set at the fastest speed, if adjustable OR the heater is at the highest setting possible, if adjustable.
- d. Verify that the Zephyr™ 3 is set at the proper temperature level to activate and deactivate equipment.
- e. If your ventilation equipment does not turn off, verify that your exhaust fan is the correct size for your grow area. Increase the size of exhaust fan (if necessary) to cool the garden as quickly as possible.
- f. If your heating equipment does not turn off, verify the your heater is the correct size for your grow area. Increase the size of heater (if necessary) to warm your garden as required.
- g. If you are still having problems with your Zephyr™ 3, please contact our Technical Service Representative at 888-808-4826 to assist you further.

Controller Specifications:

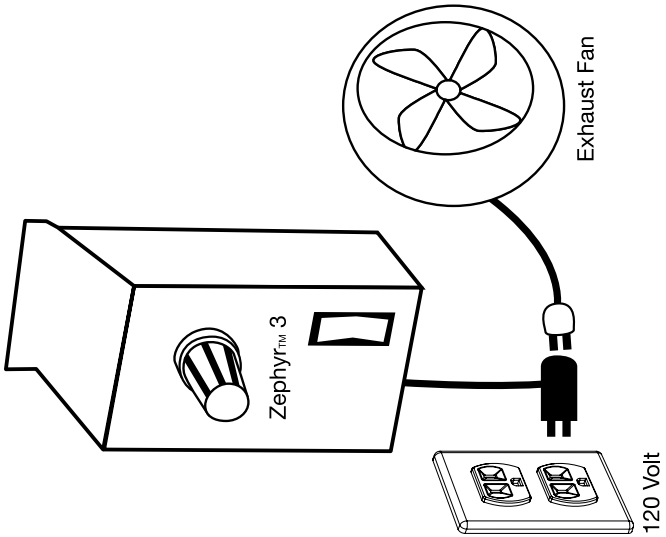
- Size = 8"H x 4"W x 2.5"D
- Weight = 2 lbs.
- Input Voltage = 120 Volts/AC
- Output Voltage = 120 Volts/AC
- Maximum Amperage = 15 Amps
- Operating Hertz = 60 Hz
- Minimum/Maximum Temperature Control Levels = 40° to 100°F (5°C to 38°C)
- Temperature Accuracy = ± 3°F of desired setting
- Cord set = 6 feet - 14/4 SWJ
- Storage Temperature = 32° to 135°F (0° to 58°C)
- Operating Temperature = 45° to 95°F (7° to 35°C)

Installation Example

Controlling a Heater



Controlling an Exhaust Fan



Warranty Information

- Titan Controls® warrants the original purchase of this product against defects in material and workmanship under normal use for three (3) years from the date of purchase.
- During the warranty period, Titan Controls® will, at our option, and without charge, repair or replace this product if the controller or any of its components fail or malfunction.
- All returns or repairs must be accompanied by a Return Merchandise Authorization (RMA) number prior to any service of the product.
- This warranty is expressly in lieu of all other warranties, expressed or implied, including the warranties of merchantability and fitness for use and of all other obligations or liabilities on the part of the seller.
- This warranty shall not apply to this product or any part thereof which had been damaged by accident, abuse, misuse, modification, negligence, alteration or misapplication.
- Controllers with serial numbers or date tags that have been removed, altered or obliterated; broken seals or that show evidence of tampering; mismatched board serial numbers or nonconforming parts; are excluded from coverage.
- Titan Controls® makes no warranty whatsoever in respect to accessories or parts not supplied by Titan Controls®.
- Monetary refunds of the warranty will not be given.
- The Buyer assumes all responsibility regarding the use & installation of this controller.
- All warranty service is provided through the factory or an authorized service representative.
- This warranty shall apply only to the United States, including Alaska, Hawaii and territories of the United States.
- Defective controllers need to be returned with the “proof of purchase” receipt.
- For additional warranty information, contact a Titan Controls® Technical Service Representative or your Dealer.
- NOTE: Titan Controls® is a controller manufacturer. All sales offerings to the public are done through a nationwide group of Dealers. No sales offerings will be made directly to the general public.

Service and Repair Program

- For all service and repairs please contact our Technical Service Representative for a Return Merchandise Authorization (RMA) number.
- All factory service & repairs will be completed within 48 hours of receipt of controller and after authorization by customer for repairs.
- Titan Controls® will, at its discretion, repair or replace the controller.
- Factory calibration services are available for all Titan Controls®.
- Returning Units: Please contact your retail store for returns.

WARRANTY SERVICE: Please read warranty information first

If after reviewing the troubleshooting tips the unit will still not work, you should return it to the Dealer where you purchased it. They may be able to further evaluate the unit and test its various components and quite possibly will be able to identify and/or fix any problems. If the Dealer is unable to fix the unit, they will return it to us for factory repair.

If there are no Dealers in your area, you may contact us directly for technical support. If we cannot help you resolve the problem over the phone, we will issue you a Return Merchandise Authorization (RMA) number authorizing you to return the unit to us for factory reconditioning (if the controller is currently under warranty). Contact the number below for a RMA number and shipping address. Please complete the form below and include it with your unit, and write the RMA number clearly on the outside of the box.

Please package the unit in its original packaging. If it is damaged in shipment we cannot be held responsible. Insuring the parcel is recommended.

Once we receive the unit back, we will repair it within 48 hours (business) and return it to you freight prepaid via UPS ground shipment.

Include the following if returning directly to Titan Controls®

- Proof of purchase
- This completed form
- RMA # on the outside of the box

Return Merchandise Authorization Number (Required) _____

Company Name: _____

Contact Name: _____

Address: _____

Phone #: _____

Email address: _____

What is the nature of the problem? _____

Send to your nearest location – shipping address will be given when the RMA # is issued:



www.titancontrols.net

For technical assistance call us at 1-888-80-Titan or 1-888-808-4826.

Notes:

1 Square = ____ Foot/Feet



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