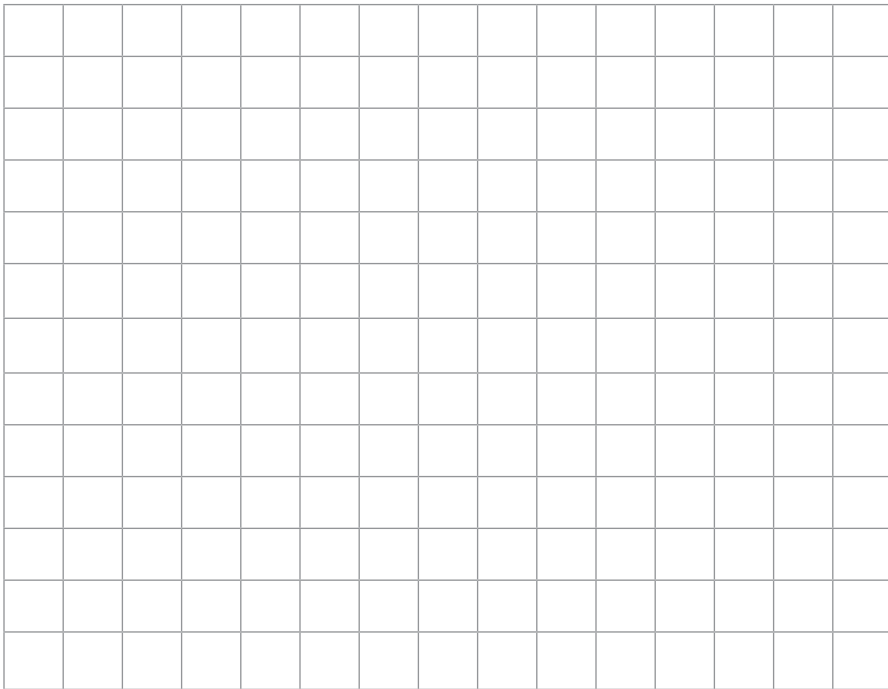


Notes:

1 Square = 1 Foot



TITAN[®]
CONTROLS

KRONUS 1[™]

Temperature and Humidity Controller
Instruction Manual



Kronus 1

- Warnings & Cautions
- Kronus 1- Temperature and Humidity Controller
- Instructions for Operation
- Troubleshooting Tips
- Controller Specifications
- Installation Example
- Warranty Information
- Service and Repair Program

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 “warranty” 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.
- Make sure to verify your power source prior to plugging controller into outlet.
- Check that all equipment that will be activated by this controller is the proper voltage.
- Verify that your equipment does not exceed a total of 15 amps.
- This controller is designed for inside use only.
- Avoid placing the controller near heat generating sources.
- Use caution when operating controller in extremely humid environments.
- 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 environmental controller for years to come!

WARRANTY SERVICE

If after reviewing the troubleshooting tips the unit will still not work, you should return it to the Dealer where you purchased it. They will 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 RMA number (Return Merchandise Authorization) authorizing you to return the unit to us for factory reconditioning (if the unit is under warranty). Contact the number below for a RMA and shipping address. Complete the form below and include it with your unit. Also please write the RMA # on the outside of the box.

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

Once we receive the unit back, we will repair it within 48 hours (business) and return it to you freight prepaid via FedEx or 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:



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www.titancontrols.net

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

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 manufacturer of environmental controls. 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 one of our Technical Service Representatives or 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.

Kronus 1 – Temperature and Humidity Controller

The Kronus 1 is used to independently maintain the temperature and humidity levels in your growing environment. Both temperature and humidity can be adjusted by setting the dials on the front of the controller to your preferred settings. If the temperature exceeds the predetermined setting then an exhaust fan is activated and will run until the temperature is lower than the set point. If the humidity exceeds the predetermined setting, then the dehumidifier is activated and will run until the humidity is lower than the set point. After the temperature or humidity has lowered below the selected temperature or humidity level, the equipment will turn off and be on standby until the next event occurs.

The Kronus 1 allows up to 15 amps of maximum capacity on a standard 120 Volt circuit. The Kronus 1 is built with the highest quality components to provide the user with years of trouble free service.

Instructions for Operation

- Securely mount your Kronus 1 in your grow area and away from any moisture, spray, pesticides, etc.
- Plug your dehumidifier into the “Dehumidify Output’ outlet.
- Turn the dehumidifier ‘ON’ to the highest setting possible.
- Plug your exhaust fan into the “Exhaust Fan Output’ outlet.
- Turn the exhaust fan ‘ON’ to the highest setting possible.
- Set the ‘Temperature’ and ‘Humidity’ dials at the preferred temperature and humidity levels for your garden.
- Place the remote sensor in the grow area up to 25 feet away from the Kronus 1 at plant canopy height.
- Plug the Kronus 1 into a maximum 120 Volt – 15 Amp circuit outlet.
- Use of a surge protection device is recommended to protect your Kronus 1 from potential damage.
- Turn the Kronus 1 power switch to the ‘ON’ position.
- Your Kronus 1 will now control your equipment at the desired settings .

Troubleshooting Tips

If the Kronus 1 is not performing as expected, try the following:

- a. Make sure that the power switch is lit and in the ‘ON’ position.
- b. Confirm that your power source is active by using a voltage test meter and providing 120 Volts to the controller.

- c. Validate the voltage outputs of the Kronus 1 are active by adjusting the dials to the lowest setting and using a voltage test meter, fan or 120 Volt light to verify power is flowing through the controller.
- d. Ensure that your equipment is 'ON' and set at the maximum level.
- e. Verify that the Kronus 1 is set at the proper levels to activate and deactivate equipment.
- f. If your equipment does not turn off, verify that your exhaust fan or dehumidifier are the correct size for your grow area. Increase size of equipment, (if necessary).
- g. Check the remote sensor to verify that the green LED is steady 'ON' and NOT blinking.
- h. If the green 'ON' LED on the Kronus Temperature and Humidity sensor is blinking, there is a communication problem between the sensor and the controller. Contact your Dealer or our Technical Service Representative to assist you.
- i. If you are still having problems with your Kronus 1, please contact our Technical Service Representative to assist you further.

Controller Specifications:

- Size = 9.5"H x 8.5"W x 2.5"D
- Weight = 3 lbs.
- Input Voltage = 120 Volts/AC
- Output Voltage = 120 Volts/AC
- Maximum Amperage = 15 Amps
- Operating Hertz = 60 Hz
- Minimum/Maximum Humidity Control Levels = 40% to 90% (non-condensing)
- Humidity Accuracy = $\pm 5\%$ of desired setting
- Minimum/Maximum Temperature Control Levels = 45° to 95°F (7° to 35°C)
- Temperature Accuracy = $\pm 2^\circ\text{F}$ of desired setting
- RoHS compliant = Yes
- Cord set = 6 feet - 14/4 SWJ
- Remote Sensor Cable = 25 feet/Cat 5e/RJ45
- Storage Temperature = 32° to 135°F (0° to 58°C)
- Operating Temperature = 45° to 95°F (7° to 35°C)

Installation Example

Controlling a Dehumidifier & Exhaust Fan

