

Notes:

1 Square = ____ Foot/Feet



TITAN[®]
CONTROLS

SATURN.1™ 1

Temperature & Humidity Controller Instruction Manual



Saturn™ 1

- Warnings & Cautions
- Saturn™ 1- Temperature & Humidity Controller Overview
- Instructions for Operation
- Troubleshooting Tips
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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(s).
- 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 or heater.
- 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® environmental controller for years to come!

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.

CUT HERE

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) _____

Dealer/Customer's Name: _____

Dealer/Customer's Contact Name: _____

Shipping Address: _____

Phone #: _____

Email address: _____

What is the nature of the problem? Please provide as much information as possible. _____

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.

- Controllers with serial numbers or date tags that have been removed, altered or obliterated; broken seals 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 proper use & installation of this controller.
- All warranty service is provided through the Titan Controls® factory.
- This warranty shall apply only to the United States, including Alaska, Hawaii and territories of the United States.
- Defective controllers are required to be returned with the “proof of purchase/receipt” for warranty coverage.
- For additional warranty information, contact the Titan Controls® Technical Service Representative or your local Dealer.
- NOTE: Titan Controls® is a Manufacturer of environmental, timing, lighting, ventilation and CO2 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 by our Technical Service Representative for troubleshooting your gear and attaining a Return Merchandise Authorization (RMA) number, if applicable.
- All factory service & repairs will be completed within 48 hours of receipt of controller at the factory.
- 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 information regarding returns.

Saturn™ 1 Temperature & Humidity Controller Overview

The Saturn™ 1 is used to independently maintain the temperature and humidity levels in your growing environment. Both the 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 the ‘FAN OUTLET’ is activated and will operate the exhaust fan until the temperature is lower than the preferred set point. If the humidity exceeds the predetermined setting, then the ‘HUMIDITY OUTLET’ is activated and will operate the dehumidifier until the humidity is under the preferred set point. After the temperature or humidity has lowered below the preferred temperature or humidity levels, the equipment will turn off and be on standby until the next temperature or humidity event occurs. The Saturn™ 1 operates up to 15 amps of maximum capacity on a standard 120 Volt circuit. Built with the highest quality components, the Saturn™ 1 will provide the user with years of trouble free service. Controllers created for our industry, by our industry!

Instructions for Operation

- Securely mount your Saturn™ 1 in your grow area and away from any moisture, spray, pesticides, etc. using the mounting brackets and hardware provided.
- Plug the exhaust fan into the ‘FAN OUTLET’.
- Turn the fan ‘ON’ to the fastest setting possible, if adjustable.
- Plug the dehumidifier into the ‘HUMIDITY OUTLET’
- Turn the dehumidifier ‘ON’ to the lowest setting. This allows the controller to maintain precise control of the humidity in your garden.
- Set the ‘Temperature’ and ‘Humidity’ dials at the preferred temperature and humidity levels for your garden.
- Finally, plug the Saturn™ 1 into a dedicated 120 Volt – 15 Amp power source.
- Use of a surge protection device is recommended to protect your Saturn™ 1 from potential power damage in areas where this may be an issue.
- Your Saturn™ 1 will now control your equipment at the desired settings.

Troubleshooting Tips

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

- 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 Saturn™ 1.
- Validate that the power outlets of the Saturn™ 1 are active by setting the temperature and humidity dials to the lowest settings. Then use a voltage test meter to verify power is flowing through the controller to the power outlets.
- Ensure that the exhaust fan is ‘ON’ and set at the fastest speed, if adjustable .

- d. Check that the dehumidifier is 'ON' and set to the lowest humidity level.
- e. Verify that the Saturn™ 1 is set at the proper temperature and humidity levels to activate and deactivate equipment.
- f. If your ventilation or dehumidification equipment does not turn off, verify that your exhaust fan and dehumidifier are the correct size for your grow area. Increase the size of exhaust fan or dehumidifier (if necessary) to cool and dehumidify the garden as quickly as possible.
- g. If you are still having problems with your Saturn™ 1, please contact our Technical Service Representative at 888-808-4826 to assist you further.

Controller Specifications:

- Size = 8"H x 6"W x 4"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 = 20% to 80% (non-condensing)
- Humidity Accuracy = ±5% of desired setting
- Minimum/Maximum Temperature Control Levels = 40° to 100°F (5°C to 38°C)
- Temperature Accuracy = ± 3°F of desired setting
- Cord set = 8 feet - 14/3 SWJ
- Storage Temperature = 32° to 135°F (0 to 58°C)
- Operating Temperature = 45° to 95°F (7 to 35°C)

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 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.

Installation Example

