Notes:

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1 Square = _____ Foot/Feet

Sunlight Supply® Inc.
National Garden Wholesale®

VANCOUVER, WASHINGTON U.S.A.

www.titancontrols.net

TITAN® CONTROLS

ATLAS® 7
CO^2 Controller
Instruction Manual

TITAN CONTROLS®
120 Volts | 5 AMPS | 60 Hz.

CO₂ (PPM)

1500 PPM

1250 PPM

1000 PPM

Photocell

Setpoint / Calibration

HOLD 5 seconds to enter program.
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2 Clicks: setpoint 1250 ppm
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HOLD 5 seconds to save and exit.

ATLAS® 7
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Atlas® 7

Warnings & Cautions

- Read all instructions before operating controller.
- Byproducts of sulfur burners will disable this controller.
- Do not put your controller in an area where it can get wet or sprayed.
- 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.
- 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 5 amps.
- This controller is designed for "inside use" only.
- Avoid placing the controller near heat generating sources such as a CO_2 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.
- Enjoy your Titan Controls environmental controller for years to come!

Installation:

- The Atlas® 7 is a 'plug-in' type enclosure. Do not locate where spray, nutrients or water may come in contact with the controller.
- Plug your CO_2 equipment into your Atlas® 7.
- Locate your Atlas® 7 close to the grow area that you want to enrich with CO_2, so you will have accurate readings.

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)

Dealer/Customer Name: _____

Dealer/Customer 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.

- 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.

- 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 & 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®.

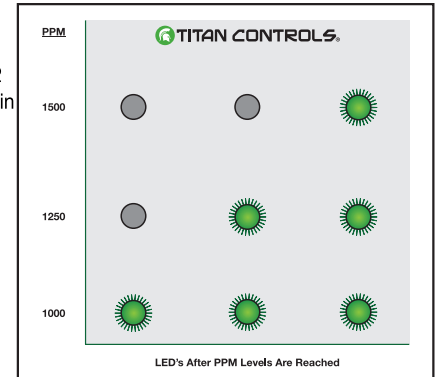- Returning Units: Please contact your retail store for information regarding returns.

- Place the Atlas® 7 at a minimum distance (4 feet or more) from the CO2 equipment you are controlling.

- An extension cord may be necessary connect the Atlas® 7 to your CO2 equipment.

Warm-Up Sequence:

- All four (4) LED indicators (including 'OUTPUT ON' LED) turn ON for three (3) seconds.

- Then the three (3) LED indicators (not including the 'OUTPUT ON' LED) will flash for thirty (30) seconds until a valid CO2 level has been detected.

- When the three (3) LED indicators stop flashing, a valid CO2 level will be displayed.

- The 'OUTPUT ON' LED will be lit if your grow room CO2 is under your desired set point and your CO2 gear will remain 'ON' until you reach your desired PPM in your grow room. Then it will shut off.
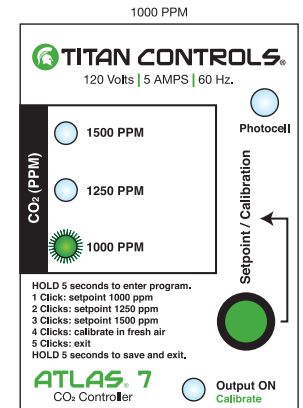
How the Atlas® 7 Works:

- When the LED that corresponds with the ambient CO2 level is lit, it represents the current ambient CO2 level in your grow room.

- See chart at right, for example:

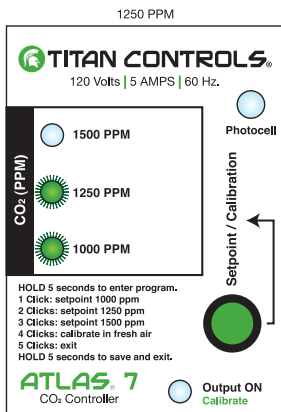LED's After PPM Levels Are Reached

To Achieve 1000 PPM Set Point:

- 1000 PPM LED blinks until grow room PPM reaches 1000, then 1000 PPM LED is steady ON.

- 'OUTPUT ON' LED is steady ON until grow room reaches 1000 PPM, then the 'OUTPUT ON' LED is OFF.

To Achieve 1250 PPM Set Point:

- 1000 PPM LED blinks until grow room PPM reaches 1000, then 1000 PPM LED is steady ON.

- Then the 1250 PPM LED blinks until grow room PPM reaches 1250, then 1250 PPM LED is steady ON.

- 'OUTPUT ON' LED is steady ON until grow room reaches 1250 PPM, then the 'OUTPUT ON' LED is OFF.
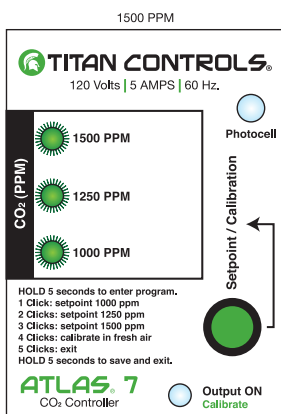
To Achieve 1500 PPM Set Point:

- 1000 PPM LED blinks until grow room PPM reaches 1000, then 1000 PPM LED is steady ON.

- Then the 1250 PPM LED blinks until grow room PPM reaches 1250, then 1250 PPM LED is steady ON.

- Then the 1500 PPM LED blinks until grow room PPM reaches 1500, then 1500 PPM LED is steady ON.

- 'OUTPUT ON' LED is steady ON until grow room reaches 1500 PPM, then the 'OUTPUT ON' LED is OFF.

How to Set the Atlas® 7 to Function in Your Garden:

- Hold the push button for a minimum of 5 seconds and not more than 9 seconds. The 3-LED display blinks at a rate of one blink per second.

- Let the button go (between 5 & 9 seconds) to enter the CO2 PPM "set point" mode.

- Click the button one (1) time to set at 1000 PPM (1000 PPM LED will be blinking to show setting).

- Click the button a second time to set at 1250 PPM (1250 PPM LED will be blinking to show setting).

- Click the button a third time to set at 1500 PPM (1500 PPM LED will be blinking to show setting).

- Once you have selected your PPM level, hold the button for a minimum of five (5) seconds to SAVE the PPM level on the Atlas® 7.

- The three (3) LED's will blink 4 times to confirm the PPM level setting has been SAVED.

- The Atlas® 7 will return to normal operation mode.

1250 PPM

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1500 PPM

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Calibrating the Atlas® 7:

- Take your Atlas® 7 into an open area with fresh air and not near other people, animals, vehicles or additional CO2 sources that may create a false CO2 reading.

- Hold the push button for a minimum of ten (10) seconds to enter CALIBRATION mode.

NOTE: To stop CALIBRATION mode either: Release push button before ten (10) seconds OR without letting the push button go, unplug the Atlas® 7 from your 120 Volt power source.

- After ten (10) seconds release the push button and it takes a few seconds to recalibrate the Atlas® 7 to the ambient CO2 level.

- The 3 LED's on the display will blink four (4) times to confirm that the calibration process has been successful.

- The Atlas® 7 then will return to normal operation mode when calibration process is complete.

Photocell Operation:

- The photocell on the Atlas® 7 will react to 'daytime' conditions in your grow area and active the 'OUTPUT ON' LED, if required.

- If the photocell detects a 'nighttime' condition in your grow area it will defeat the power to the Atlas® 7.

Controller Specifications:

Size: 4"H x 2"W x2.5 "D

Weight: ½ lbs.

Voltage Input: 120 volts

Voltage Output: 120 volts

Maximum Amperage: 5 amps

Hertz: 60 Hz

Hysteresis: 200 PPM (split 100 PPM above & 100 PPM below set point)

Storage Temperature: 0º to 110º F

Operating Temperature: 40º to 110º F

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.