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The Genesis Formula™ Pure Elemental Fertilizers
Bio-Genesis™ line of 100% Organic, 100% Vegan supplements
or the new Liquid Sand™ Potassium Silicate supplement.



- Features**
- Cooling Thermostat (CT) 10-110°F (-12-43°C)
 - Dehumidifying Humidistat (DH) 20-80% non-condensing environment
 - 3 synchronized outlets and 1 independent outlet
 - Coordinates CO2 enrichment with ventilation
 - Independent dehumidifying outlet
 - Photo Sensor (CT-DH-4P models only) to defeat CO2 production during periods of darkness
 - Anodized, black, aluminum chassis resists corrosion, scratching
 - Red, illuminated power switch
 - Operates on 115 VAC with 15 Amp switching capacity
 - Manufactured in Oregon, USA
- Safety Instructions**
- Mount unit on a wall or support structure.
 - Do not operate unit when wet and keep unit out of direct sprays from foliar applications or irrigation
 - Unit **not** intended for outdoor use
 - Do not service unit yourself. Breaking factory seal will void all warranties.
 - If using an extension power cable, do not exceed 25 feet in length, and ensure the total amperage of the equipment plugged into the extension cable does not exceed the amperage rating of the cable.
 - Do not insert objects into the vents on the sides of the chassis. Doing so could short out the interior components and create a safety hazard.

Optional Temperature Sensors
External Coil or 10 foot Remote Bulb temperature sensors are also available for the CT-DH-4. These options are indicated with an "X" for External Coil or "R" for the Remote Bulb following the model number (CT-DH-4X or CT-DH-4R). These options can also be combined with the photo sensor option (CT-DH-4PX or 4PR). The "X" and "R" sensors have a narrower 3° differential, which means your exhaust equipment will operate more frequently.

Photo Sensor
This controller is also available with a built-in photo sensor to defeat the CO2 equipment outlet (lower left side) during darkness periods. This option is indicated with a "P" suffix (CT-DH-4P).
General Application
While this controller has many applications, it was primarily developed for use with CO2 equipment, a dehumidifier and exhaust fans. Internal sensors will allow a 7° temperature comfort zone (3° with External Coil or Remote Bulb), and a 5% humidity differential between the time the fans come on and go back off again. When the temperature **or** humidity reaches the set points on the dials, an internal relay will defeat (shut off) the CO2 outlets and activate the exhaust outlets. The exhaust fan(s) will run until the temperature drops 7° and then shut off, reactivating the CO2 outlets again until the temperature reaches the set point. This controller is also equipped with an independent outlet for dehumidifying.

Description

Parts List

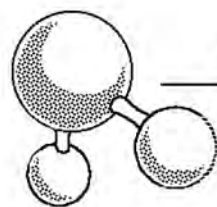
- 1 CT-DH-4 or CT-DH-4P or other CT-DH-4 special order unit
- 1 Quick Start Instructions
- 2 #6 x 1" Pan Phillips-head Tapping Screws for mounting the unit
- 2 E-Z Anchors for dry-wall mounting

Specifications

- Thermostat Range 10-110°F (-12-43°C)
- Thermostat Differential 7° [3° with External Coil (X) or Remote Bulb (R)]
- Humidistat Range 20-80%
- Humidistat Differential 5%
- Operating Temperature 32-120°F (0-50°C)
- Operating Humidity Non-Condensing Environment (0-95%)
- Voltage Input 115 VAC
- Voltage Output 115 VAC
- Max Amperage Rating 15 AMPS
- Frequency 50/60 Hz
- Dimensions: W x H x D 7in x 5in x 3.1 in (17.8cm x 12.7cm x 7.9cm)
- Power Cord 6ft, 14 awg, 3-conductor, SJTW rated

Two Year Limited Warranty

Green Air Products, Inc. guarantees that this equipment will perform as implied for the purpose it is intended. Green Air Products, Inc. warrants the original purchaser of this equipment against defects in mechanical parts and workmanship for 2 years. At our option we will repair or replace defective equipment. Warranty service is only performed at the factory or authorized service center. Any usage contrary to specified application or alterations of original construction will void warranty obligations. For further warranty information contact your dealer or Green Air Products, Inc. service department.



Quick Start Instructions
Atmospheric Controller

CT-DH-4 & 4P



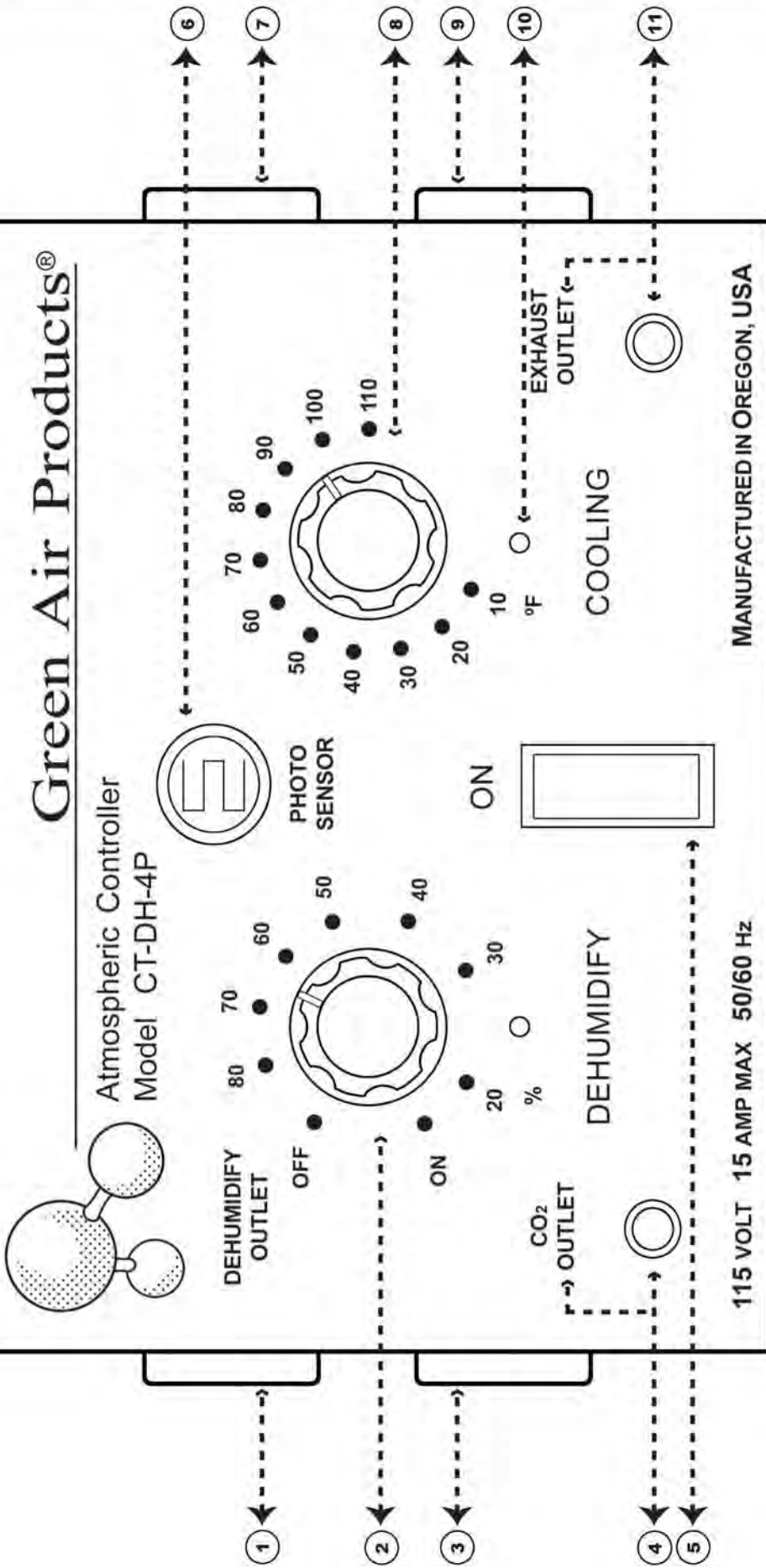
THE ELEMENTS FOR SUCCESS FOR OVER 20 YEARS

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**Cooling Thermostat
Dehumidifying Humidistat**

Green Air Products®

Atmospheric Controller
Model CT-DH-4P



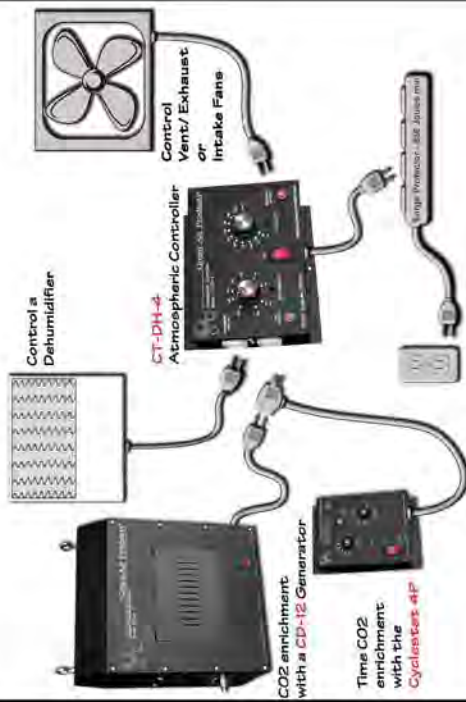
- 1 **Independent Dehumidifying Equipment Outlet** - Plug in and control dehumidifying equipment; outlet is only activated when humidity reaches the set point (See 2 below) and will function until humidity drops 7%.
- 2 **Dehumidifying Dial (Knob)** - Set this dial to maximum desired humidity (set point) to activate and deactivate the dehumidifying equipment plugged into outlet 1.
- 3 **Independent CO2 Equipment Outlet** - Plug in and control CO2 enrichment equipment; outlet is active (normally "ON") until temperature or humidity reaches the set point (See 2 & 8). This outlet is then defeated (turned "OFF") and the exhaust outlets 7 & 9 will activate (turn "ON"). When the exhaust function is complete, this outlet will turn back "ON" and continue CO2 enrichment. If you have a CT-DH-4P model, this outlet is completely deactivated by the photo sensor cell during periods of darkness (See 6 for more details).
- 4 **CO2 Equipment Indicator Light** - When lit, CO2 enrichment equipment plugged into outlet 3 is active ("ON").

- 5 **ON/OFF Switch** - Use this switch to turn the unit "ON" or "OFF".
- 6 **Photo Sensor Cell (CT-DH-4P models only)** - Deactivates (turns "OFF") CO2 outlet 3 only during periods of darkness.
- 7 **Synchronized Fan or Auxiliary Equipment Outlet** - Plug in and control fans or other auxiliary equipment; outlet is activated (turned "ON") when temperature reaches the set point (See 8 for details) and will function until temperature drops 7° (3° for external or remote bulb temperature sensors). When this outlet is active ("ON"), CO2 production is defeated (outlet 3 is "OFF"). This outlet is synchronized with outlet 9.
- 8 **Cooling Thermostat Dial (Knob)** - Set this dial to maximum desired temperature (set point) to activate and deactivate fans or other equipment plugged into outlets 7 & 9.



- Quick-Start Installation**
1. Plug the controller in to a surge protection unit (min 850 Joules).
 2. Adjust temperature and humidity dials to desired settings.
 3. Plug CO2 equipment into outlet 3; this outlet is normally "ON".
 4. Plug dehumidifying equipment into outlet 1.
 5. Plug fans into right side outlets 7 & 9; the CO2 outlets are defeated whenever the exhaust outlets are active.
 6. Do not exceed 15 Amps maximum rating.
 7. Turn the controller using the red power switch.

The diagram shows the typical installation and independent functions of the CT-DH-4 for CO2 enrichment, dehumidifying, and exhaust or ventilation fan operation.



- 9 **Synchronized Fan or Auxiliary Equipment Outlet** - This outlet is synchronized with outlet 7.
- 10 **Thermostat Calibration Hole** - Access the thermostat calibration trim screw through this hole; Contact Green Air Products Technical Support for more details.
- 11 **Exhaust Fan Indicator Light** - When lit, exhaust fans or other equipment plugged into the right side outlets 7 & 9 are active ("ON").

Do you have questions? Do you need technical assistance?

CALL US: (800) 669-2113