



CONTROLLER INSTRUCTIONS

Congratulations on your purchase of a Hydrofarm Climate Controller. This device will help you keep temperature and/or humidity at the desired levels for optimum plant growth. Please read the following instructions carefully before using your controller.

INSTALLATION

Your Controller mounts to any surface or wall with ordinary wood or sheet metal screws (not provided). Choose a location which is representative of the environmental conditions you want to control. Usually a middle point in the growing area is a good spot. When you mount the unit, mount it upright as shown in the illustration. Make sure the mounting screws you use go firmly into the mounting surface. Long screws are recommended.

OPERATION

Your controller is designed to control temperature (Temperature Controller only) and/or humidity (Deluxe Climate Controller). Following the instructions on page 2, connect the desired items to the appropriate outlets.

NOTE: Setting humidity to 80% or higher *may* cause your exhaust fan to run constantly. Setting your temperature/humidity to a lower mark than your exhaust equipment *will* cause your exhaust system to operate constantly. In this situation a larger fan or air conditioning unit may be needed. Consult your local Hydrofarm retailer for recommendations.

1. POWER CORD

Plug into normal 120V outlet. Your controller is rated to operate up to 10 amps of equipment. (10 amps is recommended maximum load for the 15 amp rated controller.) Make sure the circuit is rated for 15 amps or more and does not have other high wattage equipment on the same circuit.

2. CONTROL OUTLETS

Both of these outlets will be activated by either a rise in temperature or humidity above the settings on the dials. Usually exhaust, intake, and/or circulation fans are used to control these environmental factors by increasing air flow. Air conditioners or dehumidifiers could also be used. Do not exceed recommended maximum of 10 amps.

3. CIRCULATION OUTLET

This outlet is ON whenever the control unit is plugged in. This outlet would be used for oscillating fans (constant air circulation), ionizers, air cleaners or other devices that would be operated continuously.

4. INTERMITTENT EQUIPMENT OUTLET

This outlet is where your CO₂ system should be plugged directly in if you want it to shut off upon activation by your temperature or humidity rise. This will prevent wasting CO₂ while your exhaust fans are on.

When using a Hydrofarm CO₂ system, plug the timer upside down into the intermittent equipment outlet and recalculate your flowmeter setting following these steps:

1. Calculate the cubic feet of your growing area.
(Length x Width x Height = Cubic Feet)
2. Multiply Cubic Feet x .0012 to equal the amount of CO₂ per hour for flow meter setting.
3. Set the flowmeter.

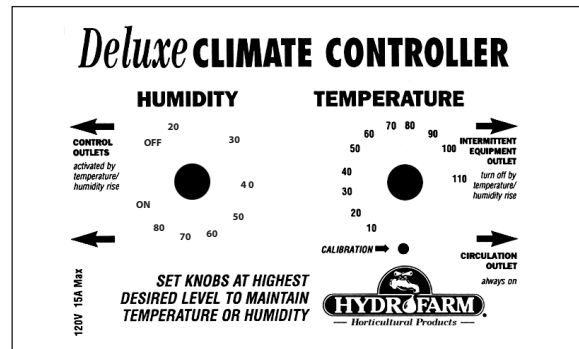
This is a higher setting than the CO₂ instructions calculate because the CO₂ system timer allows for slow CO₂ build up. With the Deluxe Climate Controller in use, the CO₂ enhancement will be constant unless stopped by temperature or humidity rise. The garden will need to be replenished rapidly for optimum growth, thus the higher setting.

CO₂ TIMER SETTING

To stop CO₂ flow during dark cycle, the CO₂ timer should be reset to go on and off with the lights. Manual timers may periodically need to be adjusted to compensate for the "off" time when your fans are on. Digital timers with a battery back-up will hold the correct time even though the power is shut off to the timer when the fans are on. A digital timer upgrade is available from your Hydrofarm dealer.

THERMOSTAT CALIBRATION

Place a thermometer next to the controller. Allow it to stabilize for an hour. Turn the temperature control knob slowly to match the thermometer setting. Using a small screwdriver, gently turn the calibration screw (in the hole below the temperature control knob) until a click is heard. This screw is typically tight from the factory, so use caution with firm pressure when turning. It is now calibrated. The humidity controller is factory calibrated and won't need adjustment.



OTHER FINE PRODUCTS FROM HYDROFARM

- Hydrofarm High Intensity Grow Lights
- Light Track™ Systems
- Hydrofarm CO₂ Systems



GUARANTEE

All our controls are guaranteed to the original owner for one year from the date of purchase. Save your receipt/invoice — a copy is required for all warranty work. Misuse, abuse, or failure to follow instructions are not covered. If you have a problem, recheck your system to isolate the problem. If this doesn't remedy the situation, call the place of purchase to get a Return Authorization for the faulty part. Send only that part. Unauthorized returns will not be accepted.