

RAD-0502



Your #1 Indoor Grow and Mushroom Farm CO₂ Control Solution

A simple and affordable way to adjust and review your CO_2 levels when you want to and how you want to for your indoor grow space. With the RAD-0502 you can ensure that your plants never exhaust their supply of CO_2 and grow at their maximum potential under optimized conditions.

The Indoor CO₂ Controller for Grow Rooms can be used in greenhouses, grow rooms, hydroponics, mushroom farms, or anywhere elevated CO₂ levels are used to maximize plant growth.

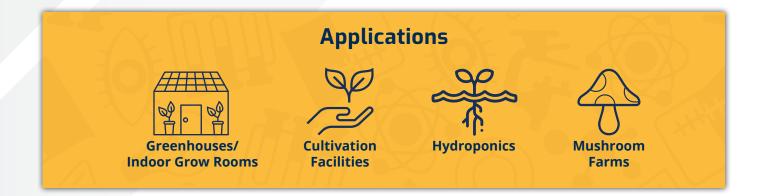
Features

- Accurate CO₂ control for small to large sized indoor grow facilities
- · Control 2 zones with 2 sensors
- Customizable CO₂ set points for high and low target levels
- Dual beam NDIR technology accurately measures CO₂ concentrations 0-3,000ppm
- Built-in temperature, humidity, and light

- Relay output can automatically control CO₂ generator or compressed CO₂ tanks
- Versatile modes for greenhouse or HVAC
- 2 Relays that are user configurable
- Customized graph data display
- Easy fresh air calibration

Accessories

- RAD-0502-S | Sensor Replacement
- SV-1029 | 3/8 inch Shut Off Valve
- SV-1030 | 1/2 inch Shut Off Valve



TECHNICAL DATA

Indoor CO, Grow Controller and Sensors

2	
CO ₂ Measurement Range	0-3,000ppm
CO ₂ Measurement	NDIR (Non-dispersive Infrared)
Accuracy	0-2,000ppm: ±70ppm or ±5% of reading whichever is greater
Operating Temperature	-20°C - 60°C (-4°F - 140°F)
Target Gas Ranges	0-3,000ppm
Measurements	Requires 1 liter per minute of constant flow per channel
Resolution	1ppm @ 0-1,000ppm ; 10ppm above 1000pm
Response Time	<2 minutes for 63% response to step change
Relays	2 relays, either (Normally Open) NO or (Normally Closed) NC
Sensor Life Expectancy	>10 years
Sensor Cables	2x CAT5e Cables - 24' ft long
Dimensions	4.96 x 6.70 x 2.65 inches

Electrical and Mechanical Specifications

Power Consumption	1 W max @ 115 VAC 60 Hz 2 W max @ 230 VAC 50 Hz
Peak Current	<5A @ 250 VAC, SPST
Power Supply	12/24 VC











