



# GC CINQUE ROOM CONTROLLER



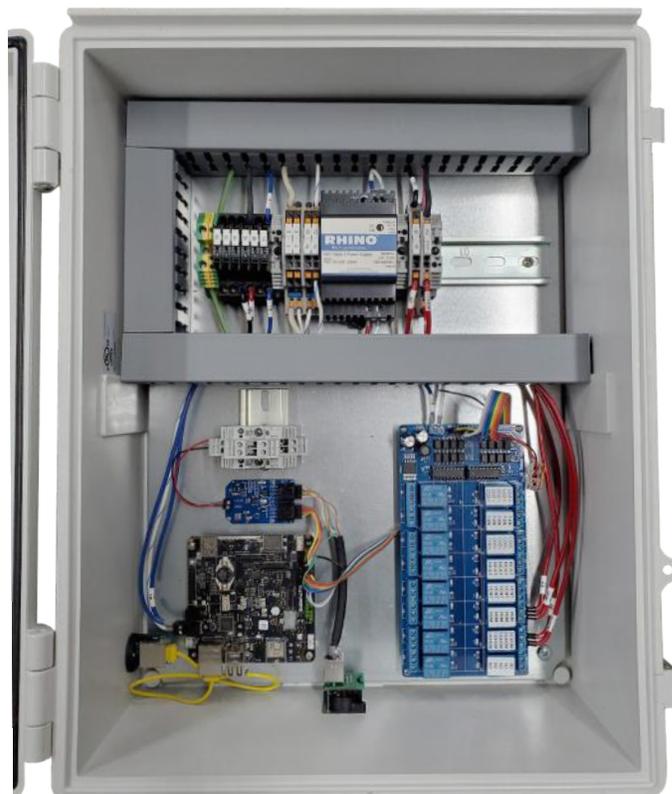
*GC Cinque Room Controller: a Carbon Dioxide, Relative Humidity, Temperature, and Room Controller in One Box!*

## FEATURES

- ▣ CO<sub>2</sub> Monitoring & Control
- ▣ CO<sub>2</sub> Safety/Evacuation
- ▣ Dual-Band Infrared CO<sub>2</sub> Sensor: 0-10,000 PPM
- ▣ Precision Temperature Sensor: 30-100°F ± 0.2°F
- ▣ RH Sensor: 0-100% RH ± 3%
- ▣ Control Outputs
- ▣ Web Interface for Remote Access, Data Logging, & Programming
- ▣ Interior/Exterior Room LED Visual Alarm Option
- ▣ Optional Oxygen Sensor

The GC Cinque room controller is designed to be an all-in-one box to allow an operator to monitor, control, and automate a grow room with ease. The included CO<sub>2</sub>, RH, and temperature sensors monitor all critical atmospheric conditions within the room. Additionally, the refrigeration controllers connect to the room's equipment to let the operator automate their desired setpoints.

The Cinque is monitored and controlled via the GC internet-based dashboard, also accessible from any device. There, multiple rooms can be viewed at a glance, with individual data and setpoint adjustment available with a click. Historical data is available for download or export to Excel or other common programs. Alarms are also sent to mobile devices for safety and peace of mind.



*Interior of GC Cinque Room Controller*

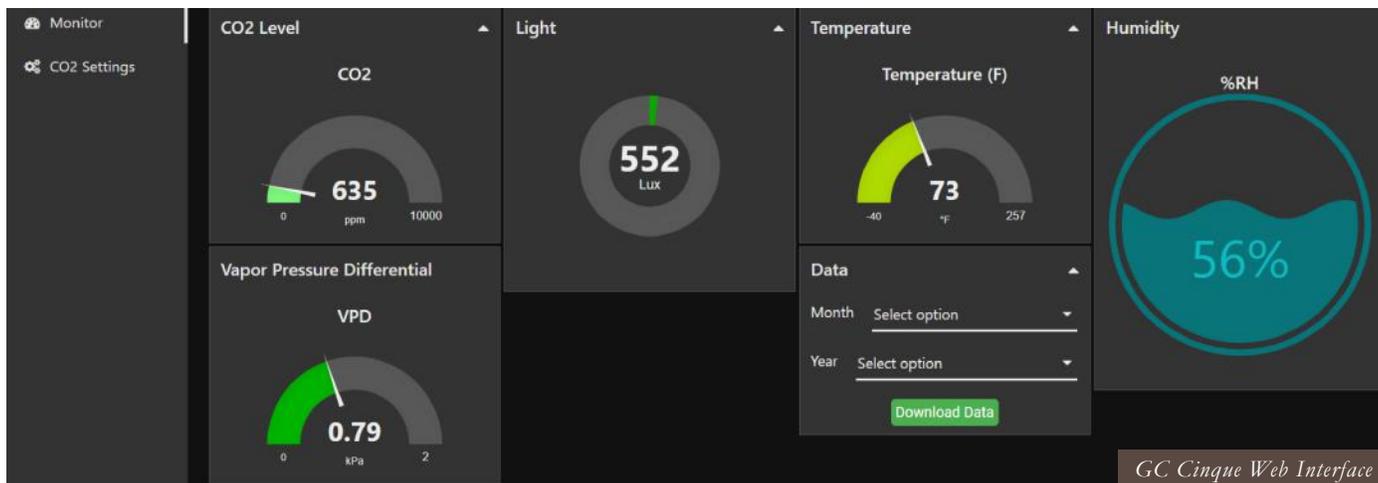
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## SPECIFICATIONS

### UNIT SPECS

Operating Temperature	32°F - 104°F
Integrated Sensors	Carbon Dioxide, Temperature, Relative Humidity
Power Source	120VAC
Power Consumption	Dependant on Connected Devices
Communications	GC Web Dashboard, Local Web Dashboard

### CARBON DIOXIDE SENSOR

Detection Range	360 - 10,000ppm CO <sub>2</sub>
Detection Technology	Non-Dispersive Infrared (NDIR); Single Light Source, Dual Wavelength
Accuracy	±50ppm+3% of reading in the range of 360 - 5,000ppm CO <sub>2</sub>
Pressure Dependency	Approx 1% of reading/kPa
Response Time	90 seconds (Diffusion)

### TEMPERATURE SENSOR

Accuracy	±0.9°F (-13°F - 185°F)
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### HUMIDITY SENSOR

Operating Humidity Range	0 - 100% RH (Maximal Dew Point = +185°F)
Accuracy	< ±3% RH (15 - 85% RH at +73.4°F) < ±5% RH (0% - 15% RH and > 85% RH at +73.4°F)
Response Time	< 5s (50 - 0% RH) at +185°F

### AUDIBLE/VISUAL STROBE ALARM (OPTIONAL)

Voltage	10-24VDC
Number of LEDs	54
Lens Color	Amber
Current Draw	90 - 350mA (Setting Dependent)
IP Rating	IP55

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