

# Day/Night CO2 Monitor & Controller for Greenhouses & Grow Rooms

- **Accurate CO2 Generator Control**
- **Photo Sensor Turns off CO2 at Night**
- **Easy Fresh-Air Calibration**

The Day/Night CO2 Monitor & Controller can be used in greenhouses, hydroponics or grow rooms to control elevated carbon dioxide levels and maximize plant growth.

The Day/Night CO2 Monitor & Controller lets you set minimum and maximum carbon dioxide levels. When the minimum level is sensed, power is supplied to a CO2 generator or regulator via the built-in 100-240 VAC 5A piggyback power cord. When the maximum level is reached, the power is turned off.

In addition, the CO2 Monitor & Controller has a built-in photo sensor that overrides the CO2 control and shuts off the CO2 when it senses darkness. Photo sensor control saves dollars and energy by insuring you'll only be supplying CO2 during the light cycle when it is needed.

Best of all, the CO2 Monitor & Controller is easy to install and use. Simply mount the unit inside your greenhouse, (all cables and hardware included), plug it into a standard wall jack, plug in your CO2 generator or regulator and it is ready to maximize your plant growing yields.

## Features

- Large digital LCD display clearly indicates the current CO2 level and temperature
- Easy to read display with all functions set from 3 push buttons
- Power, upper limit, lower limit and photo sensor verification LEDs
- IP54 case resistant to dust and water splash.



## Specifications

- Measurement Range: 0-10,000ppm
- NDIR CO2 Sensing Technology
- Accuracy:  $\pm 70$ ppm or  $\pm 5\%$  CO2
- Sensor Response Time: < 2 minutes
- Operating Temperature: 32° to 122°F
- Calibration: In situ with fresh air (400ppm)
- Sensor Life Expectancy: 15 years
- Relay: One Relay output, Peak Current < 5A@ 250 VAC, SPST. Normally Open
- Max Coverage Area: 1,500 sq.ft. with proper air handling

**Part No. RAD-0501**