

Carbon Dioxide Sensor

P/N 510-2001

The Carbon Dioxide (CO₂) Sensor (510-2001) is designed to detect carbon dioxide levels in a building environment. It can measure CO₂ values between 0 and 10,000 PPM. The default scale for the sensor is 0 to 2,000 PPM. *Note that this sensor was previously listed as P/N 210-2001. For ordering, use P/N 510-2001.*

Installation

WARNING

Make sure the sensor is turned off before installing to avoid personal injury or damage to the sensor.

1. Detach the front enclosure of the sensor from the rear section (the rear section serves as the sensor mounting plate).
2. Using the screws provided in the sensor package, secure the mounting plate to a solid wall or junction box.
3. Wire connections as directed. See [Figure 1 - Sensor Wiring Diagram](#).
4. Re-attach the front enclosure to the mounting plate by snapping it into position and securing with the screw provided.



Carbon Dioxide Sensor

NOTE: (This sensor (pictured above) is manufactured by General Electric Company (GE) and is a registered trademark of that company.)

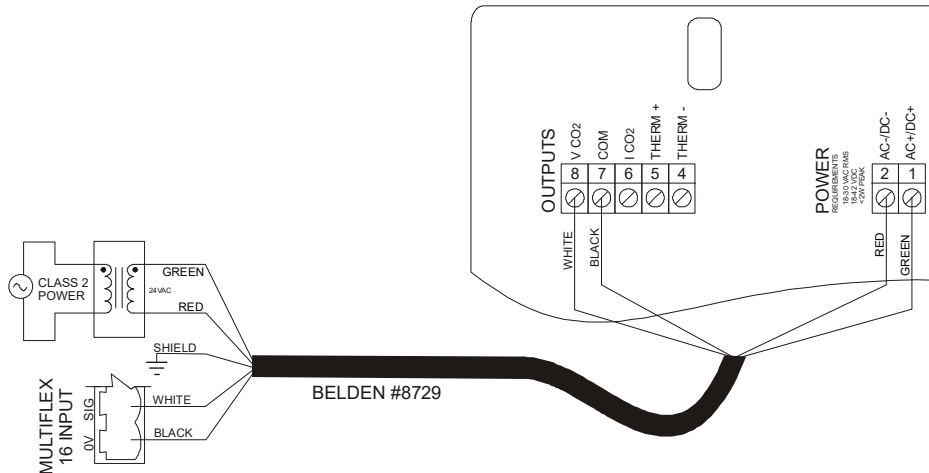


Figure 1 - Sensor Wiring Diagram

Programming


1. Press **Log In/Out** and log into the E2 with Level 4 access.
2. Press **Alt** + **I** to view the **Input Status** screen.
3. Use the arrow keys to highlight the correct board and point for the CO₂ sensor.
4. Press **F1** to create an analog input.
5. Type in the desired name for the point in the **Point Name** field.
6. Use the arrow keys to highlight the **Sensor Type** field and press **F4** to change the sensor type to **CO₂ Level**.
7. Press **Enter**, then  to accept the sensor input.



Figure 2 - Analog Input Screen

Visit our website at copeland.com/en-us/products/controls-monitoring-systems for the latest technical documentation and updates.
For Technical Support call 833-409-7505 or email ColdChain.TechnicalServices@Copeland.com