

AMC-310 Series

Infrared Carbon Dioxide (CO₂) Sensor/Transmitter

Carbon dioxide concentrations are a direct function of a number of factors; the number of people occupying a space, combustion byproducts from furnaces, fireplaces and indoor household appliances, and all can contribute to lower indoor air quality.

Increased levels of CO₂ can also contribute to “Sick Building Syndrome” and symptoms such as hyperventilation, headache, dizziness, shortness of breath and drowsiness.

The AMC-310 measures carbon dioxide (CO₂) concentrations in the PPM (parts per million) range making it ideal for a variety of applications. This easy to install system is complete with a 4-20 mA current loop output, and available concentration readout and alarm relay contact.

Detectable Gas: Carbon Dioxide

Range: 0-2000 ppm or 0-5000 ppm

Signal Output: 4-20 mA or 0-10 VDC

Sensor Type: Non-Dispersive Infrared (NDIR)

Enclosure: ABS

Voltage Requirement: 18-30 VDC or 18-28 VAC

Accuracy: ±30 ppm + 2% of reading

Repeatability: ±20 ppm

Operating Temperature: 10°C to +50°C continuous

Operating Humidity: 0-95% R.H. Non Condensing

Sensor Life Expectancy: Greater than 5 years

Warranty: Two years



Features

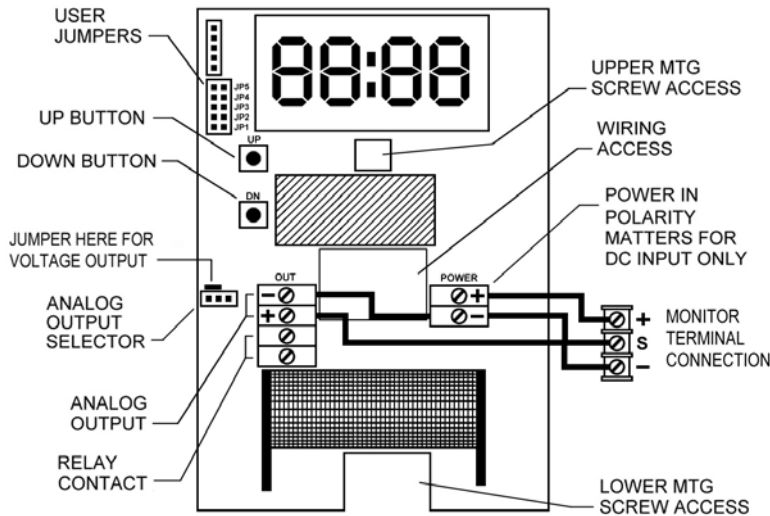
- 4-20 mA Output can be tied back to variable drives and fan motors for significant energy savings over traditional “all or nothing” ventilation strategies
- Optional concentration display and integral 2A SPST relay contact
- User selectable analog output and alarm trip point
- Ideal for “Demand Control Ventilation” applications

Part Number	Description
AMC-310e	Standard Wall Mount Unit
AMC-310e-D	Standard Duct Mount Unit
AMC-310DERC	Wall Mount Unit with Integral Relay and Concentration Display
AMC-310DERC-D	Duct Mount Unit with Integral Relay and Concentration Display



AMC-310 SERIES WIRING DIAGRAMS

Wiring to AMC Monitor



Duct Mount Installation

