

AMC-GCD Series Carbon Dioxide Sensor/Transmitter

Armstrong Monitoring's new AMC-GCD series is intended to offer an economical solution for monitoring CO₂ or a combination of CO₂/Temp/RH for indoor air quality applications.

Built on a proven detection platform, the AMC-GCD series is ideally suited for commercial applications including offices, restaurants, and community centers.

SPECIFICATIONS

Detectable Gas(es)

CO₂, or Combination CO₂/Temperature/Humidity

Range (CO₂): 0-2000 ppm (adjustable to 0-10 000ppm)

Range (Temp): 0-35°C (adjustable to 0-50°C)

Range (RH): 0-100% (Non-condensing)

User Interface

Keypad: 3 Button

Indicators: LCD Display (concealed for wall mount)

Outputs: Analog Current (4-20 mA) or Voltage (0-10 VDC)

Electrical

Supply Voltage: 24 VDC (± 20%) or 24 VAC (± 10%)

Wiring: 3 Wire - 2 power + 2 communication

Mechanical

Enclosure: ABS (Wall Mount) or Polycarbonate (Duct)

Dimensions (Wall): 8.4 cm W x 11.9 cm H x 2.9 cm D
3.3" W x 4.7" H x 1.15" D

Dimensions (Duct): 11.65 cm W x 11.25 cm H x 5.37 cm D
4.58" W x 4.43" H x 2.11" D

Operating Temperature: 0°C to 50°C
32°F to 122°F



FEATURES

- User-selectable CO₂ range
- Discreet appearance (Wall mount)
- Weather-proof enclosure (Duct-mount)

COMMON VARIANTS

AMC-GCD-C-X-R-X

Infrared CO₂ Sensor/Transmitter, Relay, Wall-mount, 24V

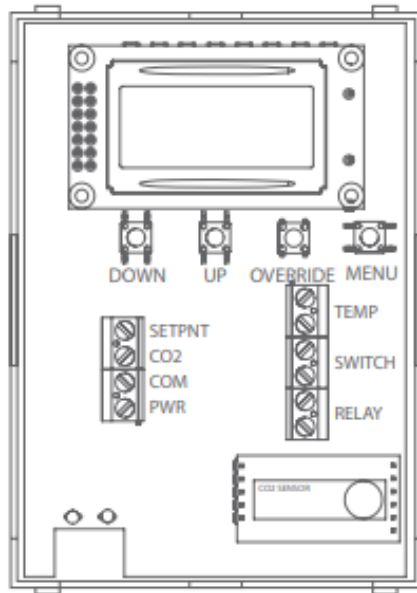
AMC-GCD-C-TH-R-X

Infrared CO₂ Sensor/Transmitter, Temp, RH, Relay, Wall-mount, 24V

AMC-GCD-C-TH-R-D

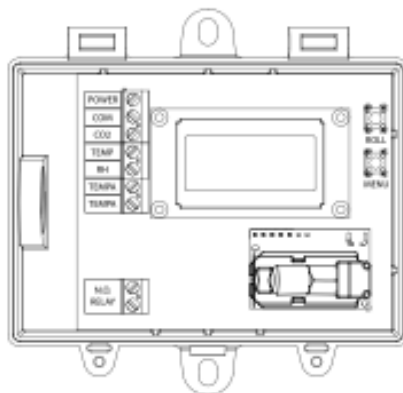
Infrared CO₂ Sensor/Transmitter, Temp, RH, Relay, Duct-mount, 24V

AMC-GCD Series Wall-Mount Wiring



TERMINAL	FUNCTION
SETPNT	Resistance Output
CO ₂	Analog Output
COM	COMMON
PWR	Supply Voltage
TEMP	Resistance Output
SWITCH	Digital Output
RELAY	Digital Output

AMC-GCD Series Duct-Mount Wiring



TERMINAL	FUNCTION
Analog Version:	
PWR	+24 Vac/dc
COM	Common
CO ₂	Analog Output
TEMP	Analog Output
RH	Analog Output
TEMPA	Resistive Output
TRAMP	Resistive Output
NO	Digital Output
RELAY	Digital Output

Terminals only present if option is ordered.

Warranty: All Armstrong Monitoring equipment is warranted against defects in materials and workmanship for two years from date of delivery, with the exception of sensors. Please contact factory for specific sensor warranty. During the warranty period, we will repair or replace components that prove, in our opinion, to be defective. We are not liable for auxiliary interfaced equipment, nor consequential damage. All warranty returns require a return authorization number. For more information please refer to our Terms & Conditions.

Note: Due to ongoing product development, the manufacturer reserves the right to change specifications without prior notice. The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of this data. A variety of factors, not limited to variances in temperature, humidity, pressure, vibrations, EMI/RF may impact on the performance of the equipment. Testing within harsh or unusual environments is recommended. Please contact the factory for assistance with field validation trials.

Published sensor data was obtained using a raw sensor in controlled conditions; actual performance may vary due to site conditions.