

ANALOG OR DIGITAL GAS DETECTORS DATASHEET

cGas DETECTOR Carbon Dioxide (CO₂)

FIXED SYSTEMS



The cGas Detector Carbon Dioxide Transmitter is a low maintenance gas monitoring device designed for use in non-explosion rated, commercial applications that require continuous monitoring of CO₂.

It offers one 4-20 mA analog output or a user selectable in the field digital output with your choice of BACnet® or Modbus® for communicating with a Building Automation System or ventilation controller. Ideal for use for applications where compressed CO₂ is used and stored, climate control in commercial buildings and other processes requiring the continuous monitoring of CO₂.

Powered by 24 VDC or ground referenced AC, the CO₂ cGas Detector has an LCD display, temperature compensation and the firmware and configuration can be upgraded in the field using the USB connection. Pre-calibrated sensors with true Plug & Play Smart Sensor technology makes replacing sensors quick and easy.

The cGas CO₂ Detector comes in a standard water / dust tight, corrosion resistant ABS/ polycarbonate enclosure with a hinged, secured door. With the optional, factory installed splash guard the enclosure is IP54 rated and provides protection in water spray or wash down applications.

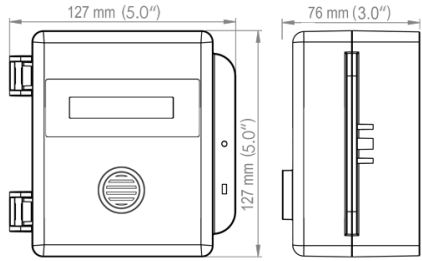
KEY FEATURES

- » One 4-20 mA analog output or user in the field configurable BACnet® MS/TP RS-485 or Modbus® RTU RS-485 digital output signal to a BAS
- » Easy Plug & Play Smart Sensor replacement at end of life, comes pre-calibrated
- » Bright LCD display
- » USB port for configuration changes and firmware upgrades
- » Optional RH & Temperature sensor (Option -RHT)*
- » Standard water / dust tight, corrosion resistant enclosure (drip proof); IP54 rated with optional splash guard installed
- » 24 VDC or VAC power (ground referenced)
- » RoHS compliant circuit board

APPLICATIONS

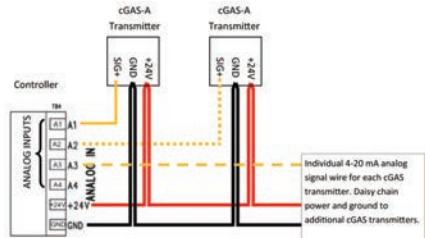
- » Greenhouses
- » Wineries / Breweries
- » Fruit Ripening Rooms
- » CO₂ Fire Suppression
- » CO₂ Storage Rooms
- » CO₂ Refrigeration Systems
- » Beverage Bottling Facilities
- » ... and many more

TECHNICAL DRAWING

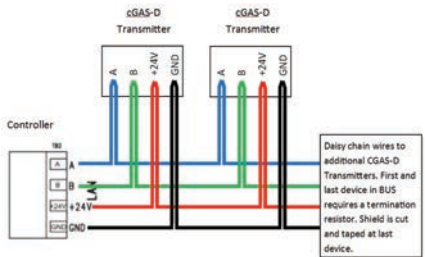


WIRING DIAGRAMS

CGAS-A connected to an FCS Controller (3-wire VDC)



CGAS-D connected to an FCS Controller (4-wire VDC)



CGAS-D Connected to a BAS/DDC (4-wire VAC)

