

## CD2E

### Economy Duct Mount CO<sub>2</sub> Sensor



CD2E

CD2E is an Economy Duct Mount CO<sub>2</sub> Sensor for monitoring air quality. This device is an active sensor that converts a measurement into 4-20 mA, 0 to 5 Vdc or 0 to 10 Vdc output.

#### SPECIFICATIONS

##### OPERATING & STORAGE ENVIRONMENT

Operating Temp. Range	0 to 50 °C (32 to 122 °F)
Operating Humidity Range	0 to 95% RH (non-condensing)
Storage Temp. Range	-25 to 70 °C (-13 to 158 °F)
Storage Humidity Range	0 to 95% RH (non-condensing)
Power Supply	3-wire volt mode: 20 to 30 Vdc, 24 Vac, 50 to 60 Hz
Output	Selectable 4 to 20 mA, 0 to 5 Vdc, 0 to 10 Vdc
Power Consumption	4 VA at 24 Vac
Tube Length	200 mm
Medium	Neutral gas, air
Housing Material	Polycarbonate; flammability rating UL 94 V0
Mounting Location	For indoor use only. Not suitable for wet locations.
IP Rating	IP 65
Protection Class	Class III

##### CO<sub>2</sub> SENSOR

Sensor Type	Non-dispersive infrared (NDIR), diffusion sampling
Output Range	Analog models: 0 to 2000/5000 ppm (selectable) Protocol models: 0 to 5000 ppm
Accuracy	±30 ppm ±3% of measured value
Repeatability	±20 ppm ±1% of measured value
Response Time	<60 seconds for 90% step change
Calibration	Field calibration support

##### WIRING TERMINALS

Terminal Blocks	Screwless terminal block with spring actuator, 16-24 AWG
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##### WARRANTY

Limited Warranty	5 years
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## Economy Sensor

Competitively priced sensors, ideal for bid-spec

## Self-calibrating

Innovative self-calibration algorithm...easy to maintain

## Dual-beam NDIR CO<sub>2</sub> sensor

Dual-beam, non-dispersive infrared technology (NDIR) repeatable to ±20 ppm ±1% of measured value... high accuracy measurement

## Easy to install

Latch-on sensor cover and screwless terminal block wiring with spring actuator

## Field selectable

Field-selectable outputs for operation flexibility

#### APPLICATIONS

- HVAC systems
- Indoor air quality monitoring
- Life sciences applications
- Key component for the LEED green building program and WELL Building Standard\*

\*Leadership in Energy and Environmental Design (LEED) is a registered trademark of the US Green Building Council. The WELL Building Standard is a trademark of the International WELL Building Institute in the United States and other countries..

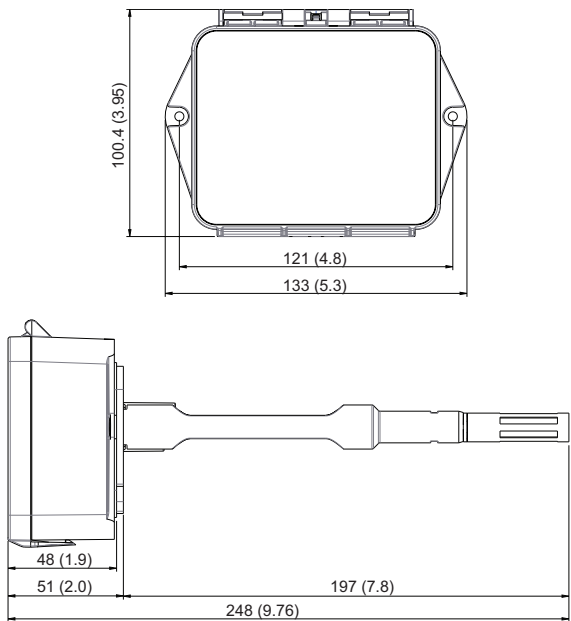
#### COMPLIANCE INFORMATION

Agency Approvals	UL 916 European conformance CE: EN61000-6-2, EN61000-6-3, EN61000 Series, immunity, EN 61326-1 FCC Part 15 Class A REACH, RoHS, RoHS 2 (China), RCM (Australia), ICES-003 (Canada), UKCA (UK)
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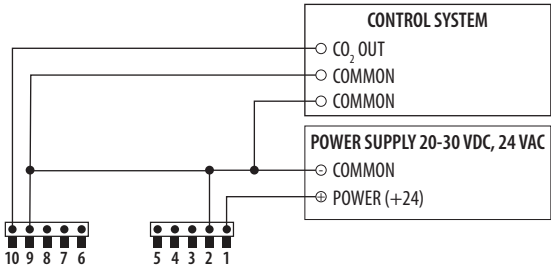


DIMENSIONAL DRAWING

mm (in.)



WIRING DIAGRAM



ORDERING INFORMATION

PART NUMBER	DESCRIPTION
CD2E	CO <sub>2</sub> transmitter, analog

