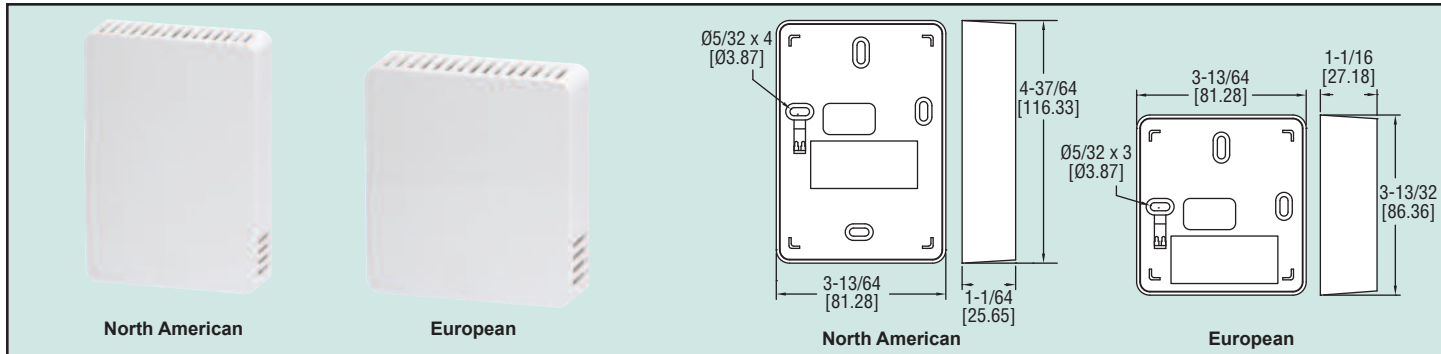




Series
CDX

Wall Mount Carbon Dioxide Transmitter

Measures up to 2000 ppm, Adjustable Output



The Series CDX Carbon Dioxide Transmitter is a low cost and high performing CO₂ sensor. This product will provide immediate energy savings by functioning in conjunction with building automation systems and allowing the user to effortlessly and effectively control fresh air into preferred areas. On-Demand ventilation using CO₂ sensors prevents energy losses from over ventilation while maintaining indoor air quality. The potential for the greatest energy saving occurs in areas where occupancy alters over the duration of the day. The Series CDX Transmitters utilize the patented Automatic Background Calibration (ABC) Logic self-calibration system. ABC Logic virtually eliminates the need for manual calibration in applications where the indoor CO₂ level drops to outside levels during unoccupied periods. If the transmitter is being used in an application where a building is continuously occupied 24 hours per day, then the user will permit that the ABC Logic feature be turned off.

Model	Output	Housing
CDX-2W10	Current	North America
CDX-2W20	Voltage	North America
CDX-2E10	Current	Europe
CDX-2E20	Voltage	Europe

ACCESSORIES

Model 1508, Duct Mount Enclosure

Model 1552, Outside Air Measurement Enclosure

SPECIFICATIONS

Range: 0 to 2000 PPM.

Accuracy: ±30 PPM or 3% of reading, whichever is higher. CO₂ accuracy statement excludes standard gas used for calibration that has an accuracy of 2% and there is a potential digital to analog error of up to 1%.

Temperature Dependence: 0.2% FS per °C (± 0.11% per °F).

Stability: < 2% of FS over life of sensor (15 years).

Pressure Dependence: .135% of reading per mm of Hg.

Response Time: 5 s.

Warm Up Time: < 2 min (operational), 10 min (max. accuracy).

Temperature Limits:

Operating: 32 to 122°F (0 to 50°C);
Storage: -40 to 158°F (-40 to 70°C).

Humidity Limits: 0 to 95% relative humidity, non-condensing.

Power Requirements: 18 to 30 VAC RMS, 50/60 Hz, or 18 to 42 VDC, polarity protected.

Power Consumption: .7 W @ nominal voltage of 24 VAC RMS.

Sensor: Non-dispersive infrared (NDIR) absorption.

Output: Analog, 0 to 5 V or 0 to 10 V jumper selectable (100 Ω output impedance), 4 to 20 mA (RL maximum 500 Ω).

Housing: Flammability classification UL94 5VA.

Weight: European Housing: 5.44 oz (154 g); North American Housing: 6.24 oz (177 g).

Agency Approvals: CE, RoHS.

AIR QUALITY

Carbon Dioxide Transmitters