The Series CDT Carbon Dioxide and Temperature Transmitters accurately monitor the CO2 concentration and temperature in indoor environments to help achieve energy savings. In order to achieve a higher level of accuracy, the Series CDT includes barometric pressure adjustment. The CO2 universal output allows users to select the transmitter output to be 4-20 mA, 0-5 VDC, or 0-10 VDC to work with virtually any building management controller.

For applications that require visual indication, the wall mount configurations of the Series CDT can be ordered with an integral LCD display. To prevent tampering, the action of the buttons can be locked out using an internal dip switch selection.

**BENEFITS/FEATURES**
- Minimize inventory and save time by combining CO2 and temperature measurements into one transmitter
- Reduces the number of devices mounted in the space with integral humidity and temperature sensors
- Requires minimal maintenance with Automatic Baseline Correction (ABC) to account for sensor drift
- Reduce operation costs using a low energy, reliable, and repeatable CO2 sensor
- Simplify installation with backplate electrical connection

**APPLICATIONS**
- Demand control ventilation in schools, office buildings, hospitals, and other indoor environments
- LEED® certification

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**SPECIFICATIONS**
- Sensor: NDIR, 15 year life expectancy.
- Range: CO2: 0 to 2000 or 0 to 5000 PPM (depending on model); Temperature: 32 to 122°F (0 to 50°C).
- Accuracy: CO2: ±40 PPM + 3% of reading (2000 PPM CO2); ± 50 PPM + 5% of reading (5000 PPM CO2); RH: ±2% (10 to 90% RH) (for units configured with humidity output); Temperature: ±1°C @ 25°C.
- Response Time: 2 min for 90% step change.
- Temperature Limits: 32 to 122°F (0 to 50°C).
- Humidity Limits: 0 to 85% (non-condensing).
- Power Requirements: 16-35 VDC or 19-28 VAC.
- Power Consumption: Average: 2 w; Peak: 3.75 w.
- Output: Current: 4-20 mA / 0 to 500 Ω; Voltage: 0-5 VDC or 0-10 VDC (min. 500 Ω); Relay: SPST NO rated 2A @ 30 VDC; RTD or thermistor per r-t curves on page 4 (depending on model).
- Compliance: CE.

*The specified CO2 accuracy is only guaranteed after three weeks of continuous operation in environments which are intermittently occupied.*