Communicating Carbon Dioxide Detector

Measures CO2, Humidity, Temperature, Temperature Set Point, and Override

European Style   North American Style

Models Select Chart

EXAMPLE	CDTA	2	N	0	0	0	LCD	Series CDTA-2N000-LCD, Carbon Dioxide Detector, gas concentration range 2000 ppm, North American wall mount, LCD display
SERIES	CDTA							Carbon Dioxide Detector
GAS CONCENTRATION RANGE		2 5						2000 ppm 5000 ppm
MOUNTING CONFIGURATION			E N					European Wall Mount North American Wall Mount
CARBON DIOXIDE OUTPUT				0				NONE
TEMPERATURE OUTPUT					0			NONE
RH OUTPUT						0		NONE
OPTIONS							COC FC LCD	Certificate of Calibration Factory Calibration Certificate LCD Display

Accessories

Model	Description
A-449	Remote display with mini USB display.
GCK-200CO-2000CO2	Gas Calibration Kit **(GROUND SHIPMENTS ONLY)**
A-CDT-KIT	Accessory kit including terminal block and power supply.

Specifications:-

Sensor (CO2)	:	Single-beam, dual-wavelength NDIR; Humidity: Capacitive polymer; Temperature: 10KΩ thermistor.
Range	:	CO2: 0 to 2000 or 5000 PPM CO2 (depending on model); Humidity: 0 to 100% RH; Temperature: 32 to 122°F (0 to 50°C).
Accuracy	:	CO2: ±40 ppm ±3% of reading; RH: ±2% (10 to 90% RH); Temperature: ±1°C @ 25°C.
Temperature Dependence (CO2)	:	±8 ppm / °C at 1100 ppm.
Non-Linearity (CO2)	:	16 ppm.
Pressure Dependence (CO2)	:	0.13% of reading per mm of Hg.
Response Time (CO2)	:	2 min. for 99% step change.
Temperature Limits	:	32 to 122°F (0 to 50°C).
Humidity Limits	:	10 to 95% RH (non-condensing).
Power Requirements	:	10 to 42 VDC / 10 to 30 VAC.
Power Consumption	:	Average: 0.5 watts; Peak: 1.2 watts.
Output	:	2-wire RS-485, Modbus® RTU or BACnet MS/TP communication protocol.
Weight	:	4.4 oz (125 g).
Enclosure Rating	:	IP20.
Agency Approvals	:	BTL, CE.