



CARBON DIOXIDE/ TEMPERATURE/HUMIDITY/ DEW POINT SENSOR

AH-C02

AH-C02THD

The Carbon Dioxide, Temperature, Humidity and Dew Point sensor is a battery-powered sensor that can be used to monitor and control indoor air quality, energy usage and occupant safety. The CO2THD is self-calibrating with adjustable reporting intervals. The sensor is wall mounted, powered with a long-life, replaceable battery providing up to 12 years of battery life.

HOW IT WORKS

The Audacy CO2THD Sensors periodically sample indoor air quality and transmit data back to the Audacy Gateway. Operating in the highly-reliable 915 MHz spectrum, the CO2THD Sensor requires no wiring and can be placed virtually anywhere an environmental sensor is desired, for convenience or coverage.

BECAUSE TIME IS MONEY

As with all Audacy Wireless Controls system components, this environmental sensor vastly reduces installation time and costs versus a typical wired system alternative. This sensor system is an ideal HVAC product for building automation applications as well. The Audacy Gateway will connect with various Building Automation protocols.

The Audacy Wireless Controls system can be used to provide compliance with ASHRAE 90.1-2016 and CA Title 24 requirements.

AUDACY BY IDEAL®: CUTTING COSTS. CUTTING EDGE.

IDEAL has been a leading manufacturer of quality electrical products for over one hundred years. Crafted at the intersection of simple and innovative, our new Audacy Wireless Controls system.



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WIRELESS LIGHTING CONTROL
YOUR WORLD IN A BETTER LIGHT

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CARBON DIOXIDE/TEMPERATURE/HUMIDITY/DEW POINT SENSOR

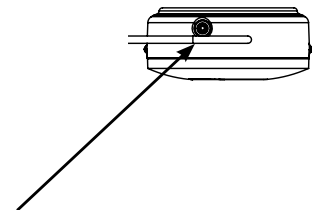
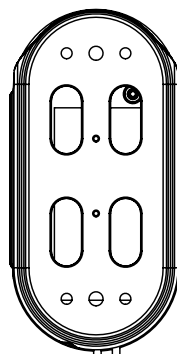
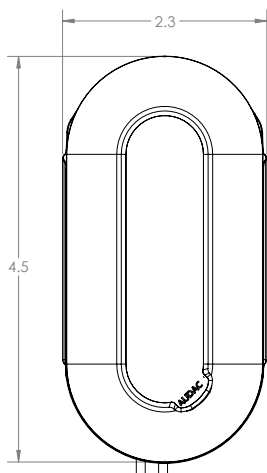
AH-CO2 AH-CO2THD



SPECIFICATIONS

ITEM	DESCRIPTION	
Radio Frequency Range	902–928 MHz, Dual Channel, Internal Antenna	
Wireless Protocol	Proprietary based on IEEE 802.15.4	
Encryption	Proprietary based on AES encryption	
Regulatory Approvals	FCC Part 15 and Industry Canada FCC ID: 2AAMXCO2THD IC: 11250A-CO2THD	
Accuracy	CO2: Filtered +/-15ppm / Unfiltered: +/-50ppm + 3% of the reading Temp: +/- 1°F, Humidity: +/-3% (10-90%), Dew Point: +/- 4%	
Transmit Power	2 dBm short duration, utilizing direct sequence spread spectrum	
Transmit Range	100 ft. (30m) indoors to an Audacy Gateway or Luminaire Controller in a typical commercial building; extended range when repeater mode enabled	
Power	Replaceable battery. Type 3.6V AA MFG:XENO XL-060F or equivalent 1 min. interval: 1.5 yrs, 2 min. interval: 3 yrs, 3 min. interval: 4.5 yrs, 5 min interval: 7 yrs, 10 min interval: 12 yrs	
Operating Temperature	50°F to 104°F (10°C to 40°C)* *Battery life may be reduced if operated at higher temperatures	
Installation Environment	Indoor use only	
Mounting	2 bracket mounting holes (See mechanical drawing for dimensions)	
Antenna	Internal, 360° pattern	
Color	White	
Dimensions	4.56" x 2.29" x 0.95" (115.82mm x 58.17mm x 24.13mm)	
Weight	3.0 oz (85g)	
Warranty	5 year	
Catalog Number	59-AH-CO2	59-AH-CO2THD
Description	Carbon Dioxide Only	Carbon Dioxide, Temperature, Humidity and Dew Point

MECHANICAL DIMENSIONS (INCHES)



Note: Locking Screw Feature for Mounting

CONTACT US TODAY FOR A CONSULTATION

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AUDACY | 2