

# TEMPERATURE/HUMIDITY/ CONTACT CLOSURE SENSOR

**AH-T**   **AH-THD**   **AH-TX2**   **AH-CC**

The Temperature, Humidity and Contact Closure Sensors use exclusive maintenance-free technology to wirelessly communicate to the Audacy Gateway to send temperature or humidity measurements or indicate when there is a contact closure present.

## SIMPLICITY IS THE RULE

The Temperature, Humidity and Contact Closure Sensors are wireless and simple to install anywhere. These sensors operate in the highly reliable 915 MHz spectrum and have up to a 25-year battery life.

## BECAUSE TIME IS MONEY

As with all Audacy Wireless Controls system components, the Temperature, Humidity and Contact Closure Sensors vastly reduce 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.



**AUDACY**  
WIRELESS LIGHTING CONTROL  
YOUR WORLD IN A BETTER LIGHT

# TEMPERATURE/HUMIDITY/ CONTACT CLOSURE SENSOR

AH-T

AH-THD

AH-TX2

AH-CC

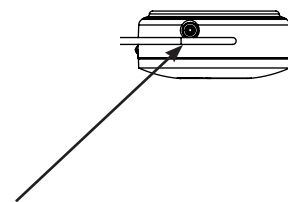
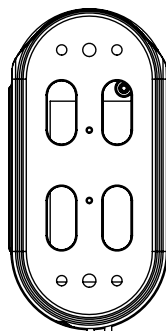
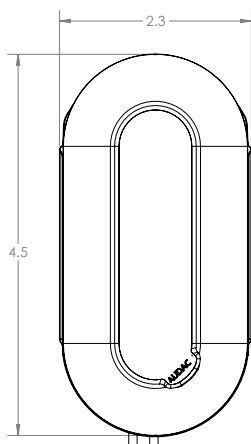


On the DesignLights Consortium™ Qualified Products List

## 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: 2AAMXRPS2000 IC: 11250A-RPS2000			
Accuracy	Temperature: +/- 1°F   Humidity: +/- 3% (10-90% RH)   Dew Point: +/- 4% (50-90°F, 10-90% RH)   Thermistor Ports: 10K Type 2, 10 Bit Resolution			
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	25+ year battery, non-replaceable			
Operating Temperature	-4°F to 158°F (-20°C to 70°C)			
Installation Environment	Indoor use only			
Mounting	2 bracket mounting holes (See mechanical drawing for dimensions)			
Antenna	Internal, 360° Pattern			
Contact Closure	2-wire terminal block connections inside unit			
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 Numbers	59-AH-T	59-AH-THD	59-AH-TX2	59-AH-CC
Description	Temperature Only	Temperature, Humidity, Dew Point	Temperature + 2 External Ports	Contact Closure Sensor

## MECHANICAL DIMENSIONS (INCHES)



Note: Locking Screw  
Feature for Mounting

CONTACT US TODAY FOR A CONSULTATION

1.800.273.9989

CONTACTUS@AUDACYWIRELESS.COM

AUDACYWIRELESS.COM

**AUDACY**  
WIRELESS LIGHTING CONTROL  
YOUR WORLD IN A BETTER LIGHT

A COMPANY OF IDEX INDUSTRIES, INC.