DIGITAL TECHNOLOGY
TZONE

TZ-THT02 TEMPERATURE HUMIDITY SENSOR RS485

TZ-THT02

TZ-THT02 Temperature and Humidity Sensor RS485 adopts high-quality digital integrated sensor and is equipped with a reliable digital processing circuit to convert the ambient temperature and humidity into the corresponding standard MODBUS RS-485 signal, which can realize distributed monitoring with the host computer systems. With excellent long-term stability, low latency and excellent repeatability, it is an ideal solution for accurate temperature and humidity measurement in HVAC, communication field, warehouse building and automatic control applications.

APPLICATIONS:

Fresh Refrigeration

Research & Education

Agriculture

Communication Field

Health & Medical

FEATURES:

Swiss "SENSIRION" temp and humidity sensor
High precision, fast response

High quality ABS plastic shell
Heat-resisting, durable

Small size, easy to use
Duct and wall mounted optional

Long term stability
High reliability and cost effective

OneTemp pty ltd
measure | control | record
1300 768 887
www.onetemp.com.au

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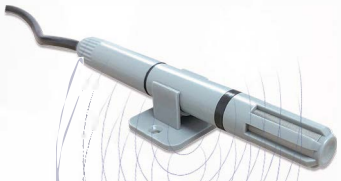


Strict Craft

Exquisite dust-proof joint
Neatly and smoothly surface without burrs
Highly fit rotating thread for better waterproof

Stainless Steel Strainer

Ensure the permeation of high humidity air
With a certain buffering effect for high-speed airflow

Integrated Swiss Sensor

High precision and fast response
High reliability and long term stability

Easy Fast Installation

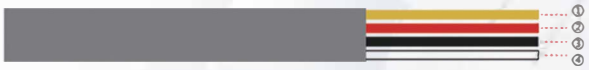
Duct and wall mounted optional
Cable length (1M) customizable

Code Dialing Diagram

The dialing points 1-8 correspond to the numbers 1, 2, 4, 8, 16, 32, 64, 128 respectively
The address code is the sum of the values

In the example image, the address=13, turn the 1, 3, 4 bits to ON, the address code is 8+4+1=13, that is, the address code is 13

TZ-THT02 Interfaces



PRODUCT PARAMETERS

Model NO.	TZ-THT02
Temperature Measurement Range	-40°C ~120°C
Temperature Accuracy	±0.2°C @25°C
Humidity Measurement Range	0%RH ~95%RH
Humidity Accuracy	±2%RH@3%RH
Transmission Mode	RS485 Modbus-RTU
Product Dimension	140mm*16mm
Product Power Consumption	5mA (typical value), 8 mA (maximum value)
Power Supply	DC 5~24V
Output Signal	RS485 Modbus-RTU
Waterproof Level	IP65
Working Environment	-40°C ~85°C / 0%RH -95%RH (non-condensing)
Transmission Rate	4800bps/ 9600bps/ 19200bps Optional
Transmission Distance	The standard maximum transmission distance is about 1200 meters (Depending on the use environment, transmission material and transmission rate)