

HUMIDITY & TEMPERATURE SENSOR

Your Specialist in innovating humidity & temperature sensors

KIS-H/T-RS



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Indoor temperature/humidity module that uses simple communication protocol and supports communication method (RS485)

Product Features

- Built-in high-sensitivity temperature/humidity sensor
- Temperature : -40~120C / Humidity : 0~99.9% RH
- Wired/wireless output method support
- Supports various communication speeds
- Use of simple communication protocol (Modbus RTU)
- 1200bps ~ 115200bps
- Wide temperature/humidity measurement range

Technical specifications

category	temperature Sensor	Humidity sensor
Sensor type	Semiconductor sensor	
Measuring range	-40°C ~ +120 °C	0 ~ 99.9%
error range	± 0.3 °C	± 3 %
Supply voltage	5~12VDC ± 10%	
Operating temperature	-20 °C ~ +60 °C	
Operating humidity	0 ~ 95% RH (A state in which dew does not form)	
Wireless communication	IEEE 803.15.4 standard	
Wired communication	RS485(Modebus RTU)	

This function is output for the purpose of transmitting the current temperature and humidity to an external device through wired communication.

Wired communication output

category	RS485
Applied standard	EIA RS485 compliant
The maximum number of connections	31 units, station number can be set from 01 to 256
Communication method	2-wire half duplex can be set
Synchronous method	Asynchronous
Communication Range	Within up to 1.2km
Communication speed	1200 ~ 115200bps
Start bit	1bit(fixed)
Stop bit	1bit(fixed)
Parity bit	None(fixed)
Data bit	8bit(fixed)
Protocol	Modebus RTU



- In the communication status of execution of the KIS-H / T-RS and the upper system it can not be a communication-related settings for the KIS-H / T-RS.
- First, match the communication parameters of KIS-H/T-RS with the host system.
- Duplicate setting of communication address number in communication line is not allowed.