DIGITAL TECHNOLOGY
TZONE

THT-03 TEMPERATURE AND HUMIDITY TRANSMITTER

TZ-THT03

The THT-03 temperature and humidity transmitter is designed based on the RS-485 communication interface, compatible with the standard Modbus-RTU protocol, and can be connected to the Modbus network to achieve temperature and humidity measurement and monitoring.THT-03 has excellent long-term stability, low latency, low power consumption, strong resistance to chemical pollution and excellent repeatability. It is used for accurate temperature and relative measurement in HVAC, communication equipment rooms, warehouse buildings and automatic control applications. The ideal solution for humidity.

APPLICATIONS:

Fresh Refrigeration

Research & Education

Agriculture

Communication Field

Energy Power

FEATURES:

High sensitivity

Steady Signal

Anti-Interference

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THT-03 TEMPERATURE AND HUMIDITY TRANSMITTER

DIGITAL DISPLAY

HIGH SENSITIVITY

ACCURATE MEASUREMENT

STEADY SIGNAL

IP54

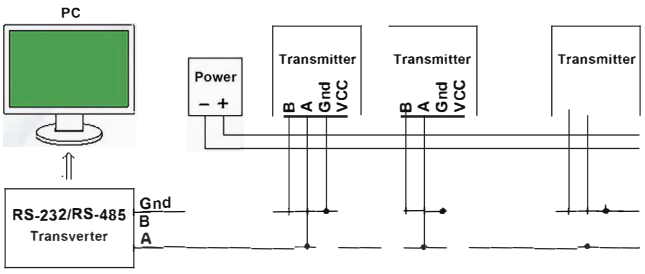
SUPPORT TECHNICAL

ANTI -INTERFERENCE

CAN WORK IN CONDENSING ENVIRONMENT

THT-03

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
Dimension	106mm*88mm*33mm
Weight(s)	135g
Transmission Mode	RS485 Modbus-RTU
Transmission Distance	The standard maximum transmission distance is about 1200 meters (Depending on the use environment, transmission material and transmission rate)
Product Power Consumption	5mA (typical value), 8 mA (maximum value)
Power Supply	DC 5~36V
Output Signal	RS485 Modbus-RTU
Working Environment	-40°C ~85°C / 0%RH -95%RH (non-condensing)
Transmission Rate	4800bps/ 9600bps Optional
Display screen	Temperature and humidity display are accurate to one decimal place
Indicator light	Flash once when reading the data.
Protection Grade	IP54



FEATURE

1. Low power consumption
2. Fully calibrated
3. High precision and good consistency
4. Long-term stability, low drift
5. Humidity full range temperature compensation
6. Standard Modbus-RTU protocol
7. Strong interface defense capability and stable communication