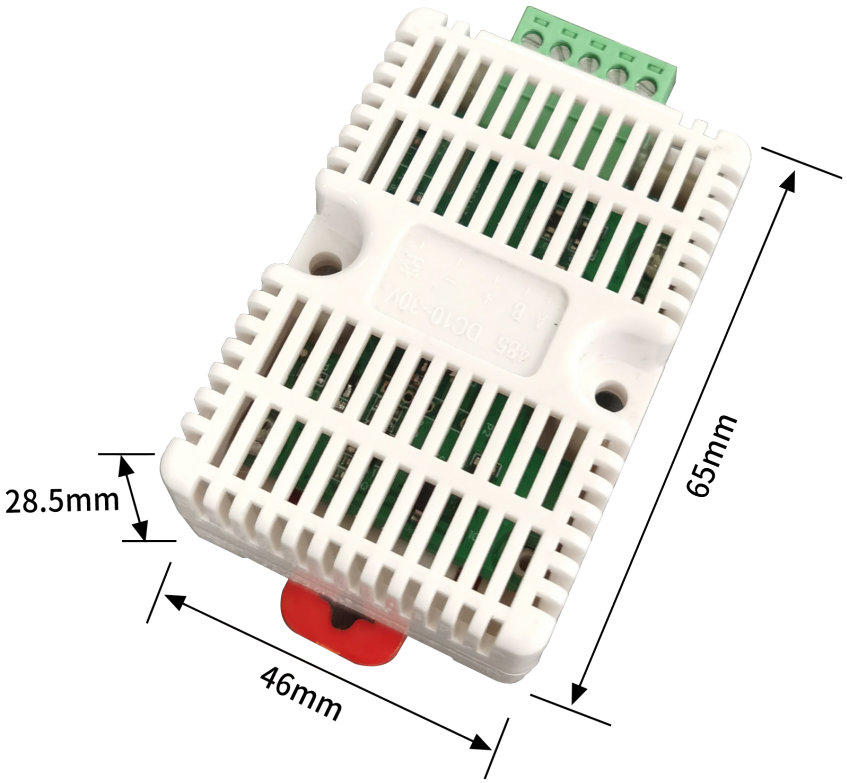
Temperature and Humidity Sensor Modbus Communication Guide

The sensor used in this example is a common DIN-rail temperature and humidity sensor on the market:



1. RS485 Modbus-RTU Communication Parameters for the Temperature and Humidity Sensor

```
-- 4800 baud, no parity, 1 stop bit, function code "03", address 0x01, max response wait 1000 ms, packet interval 100 ms
com = {"BAUDRATE_4800","NoneParity","StopBit_1","03",0x01,1000,100},
```

Additional notes:

- Modbus address of the meter: 0x01
- Maximum response wait 1000 ms: If this meter is faulty and cannot communicate, Modbus communication will wait up to 1000 ms (1 second).
- Packet interval 100 ms: If the span of register addresses to read exceeds 125, the system will automatically fetch the data in packets; the interval between packets is set to 100 ms (0.1 second).

2. Modbus Data Points of the Temperature and Humidity Sensor (excerpt from the manual)

Register Address	Item	Modbus Function Code	Notes
0000H	Humidity	0x03	Humidity Real-Time Value (×10)
0001H	Temperature	0x03	Temperature Real-Time Value (×10)