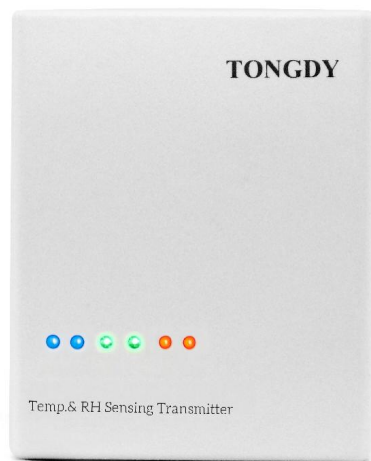


Temperature and Humidity Sensing Transmitter With WiFi and Data Logger



Product No: F2000TSM-TH-R

Features

- ◆ Updated temperature and humidity transmitter with sensing and recording
- ◆ Sensing indoor temperature and relative humidity.
- ◆ WiFi communication
- ◆ Data logger with BlueTooth download
- ◆ The data and curves displayed on the APP
- ◆ RS485 interface with Modbus RTU
- ◆ Optional 2x0~10VDC/4~20mA/0~5VDC outputs
- ◆ Provide APP for network configuration and other setting



Scan the QR code to visit our website

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Specifications

	Temperature	Relative Humidity
Sensor	Digital integrated temperature and humidity sensor	
Measuring range	-20~60℃ (-4~140°F) (default)	0 -100%RH
Accuracy	±0.5℃	±4.0%RH (20%-80%RH)
Stability	<0.15℃ per year	<0.5%RH per year
Storage environment	0~50℃ (32~120°F) / 20~60%RH	
Connection	Screw terminals	
Indicator lights	Six lights with 3-color, available or disable	
Housing/IP Class	PC/ABS fireproof material/ IP40 RS485 (Modbus RTU)	
Communication	WIFI @2.4 GHz 802.11b/g/n (MQTT) Any one or both of them	
Data logger	Up to 145860 points are stored with the storage rate during 60 sec. to 24 hours. For example it can be stored 124 days in 5min. rate or 748 days in 30min.rate. Download data by a BlueTooth APP which is supplied by Tongdy.	
Analog Output	0~10VDC(default) or 4~20mA (selectable by jumpers) 0~5VDC (selected in order)	
Power supply	24VAC/VDC±10%	
Power consumption	≤2W	
Resistance permitted	≤500Ω	
Net weight /Dimensions	180g, (W)100mm×(H)80mm×(D)28mm	
Installation standard	65mm×65mm or 2"×4"wire box	
Approval	CE-Approval	

Models Information

Model	Description
F2000TSM-TH-R101	WiFi communication and data logger. 1Xanalog linear output for temperature. RS485 interface.
F2000TSM-TH-R201	WiFi communication and data logger. 2Xanalog linear outputs for temperature and humidity. RS485 interface.
F2000TSM-TH-R001	WiFi communication and data logger. RS485 interface.

Postfix 1: type of analog output for models with analog outputs

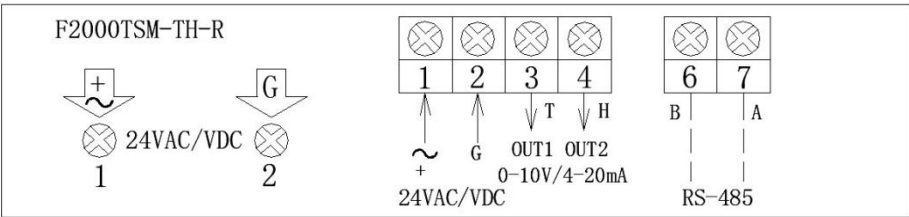
- V 0~10VDC (default)
- A 4~20mA
- V5 0~5VDC (not be changed)

Postfix 2: temperature scale

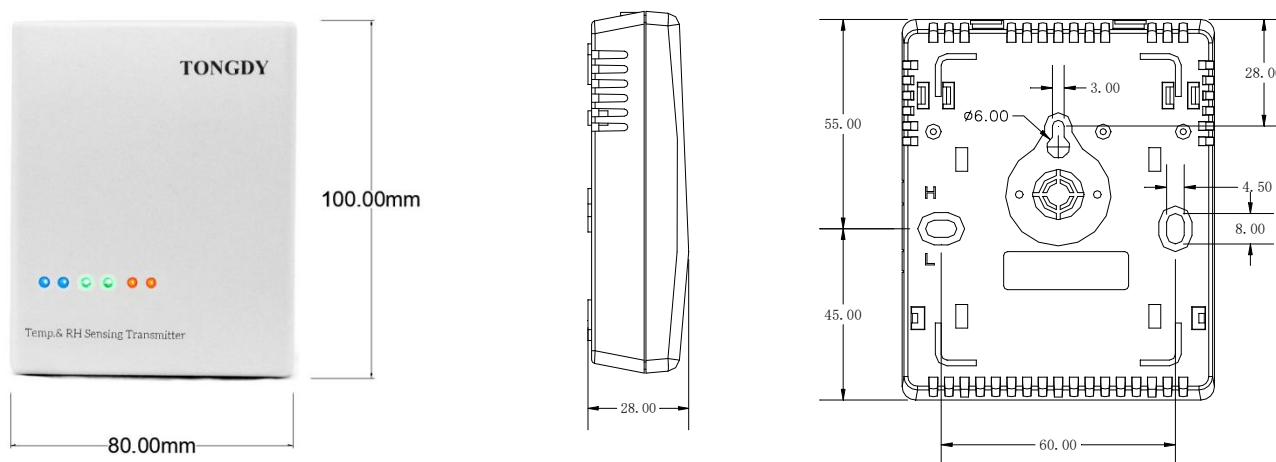
- T05: 0 ~50℃ (32~122℉) (without the postfix means the default)
- T26: -20~60℃ (-4~140℉) (default)
- T06: 0 ~60℃ (32~140℉) (without the postfix means the default)

For example: F2000TSM-TH-R201-V-T05 indicates the transmitter with 2X 0~10VDC outputs and RS485, the temperature scale is 0~50C.

Wiring Diagram



Mounting and Dimensions



Display on APP

