

# Temperature/Humidity Detector - Wall Mount

## Optional Modbus RS485 Communication

### HWM-TH Series



### Features

- + Relative humidity and temperature measurement
- + Provides up to 2 x 0~10VDC/4~20mA/0~5VDC outputs for humidity and temperature measurements
- + Humidity output is automatically corrected over the full range of operating conditions
- + Arbitrary point setup for temperature and humidity measurement
- + Optional Modbus RS485 communication
- + Wall mountable and small footprint
- + CE-approved

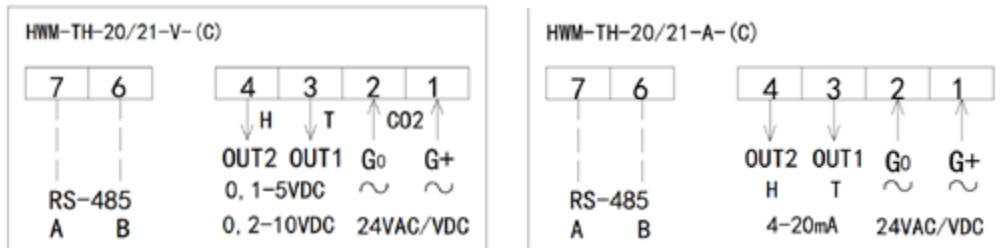
### Specifications

Parameter	Temperature	Relative Humidity
Sensing element:	Digital Temp.& RH combined sensor	Digital Temp.& RH combined sensor
Measuring range	0°C~50°C (default)	0 -100%RH
Accuracy	±0.5°C	±4.5%RH (20%-80%RH)
Stability	±0.04°C per year	<0.5%RH per year
Storage environment	10~50°C / 20~60%RH	
Connection	Screw terminals	
Set measurement zone	The zero and the span can be set through Modbus	
Housing/IP Class	PC/ABS fire retardant / IP 40	
Output	0~10VDC(default) or 4~20mA (selectable by jumpers) 0~5VDC (selected at the time of ordering)	
Power supply	24VAC/VDC±10%	
Power consumption	≤2W	
Maximum loop resistance	≤500Ω	
Net weight	180g	
Dimensions	(W)100mm×(H)80mm×(D)28mm	
Approval	CE-Approval	

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### Wiring Diagram



### Model Information

Model	Description
HWM-TH-M100	1 x analog linear output for temperature measurement
HWM-TH-M100-RH	1 x analog linear output for RH measurement
HWM-TH-M101	1 x analog linear output for temperature measurement Modbus RS485 interface
HWM-TH-M101-RH	1 x analog linear output for RH measurement Modbus RS485 interface can read temperature and RH measurements
HWM-TH-M200	2 x analog linear outputs for temperature and RH measurements
HWM-TH-M201	2 x analog linear outputs for temperature and RH measurements Modbus RS485 interface
HWM-TH-M001	Modbus RS485 interface for temperature & RH measurements

Suffix 1: type of output signal

-V 0~10VDC (default)

-A 4~20mA

-V5 0~5VDC (not be changed)

Suffix 2: temperature scaling

T05: 0°C~50°C default (without the suffix is default version)

T06: 0°C ~60°C

T26: -20°C ~60°C

Order example:

HWM-TH-M100-V5-T06 indicates the transmitter with 1X 0~5VDC output with temperature range as 0~60°C.

HWM-TH-M200-A indicates the transmitter with 1X 4~20mA output and default temperature range (0~50°C).

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## Mounting

