

TEMPERATURE/HUMIDITY DETECTOR – WALL MOUNT

OPTIONAL MODBUS RS485 COMMUNICATION

PRODUCT BROCHURE

HWM-TH SERIES



FEATURES

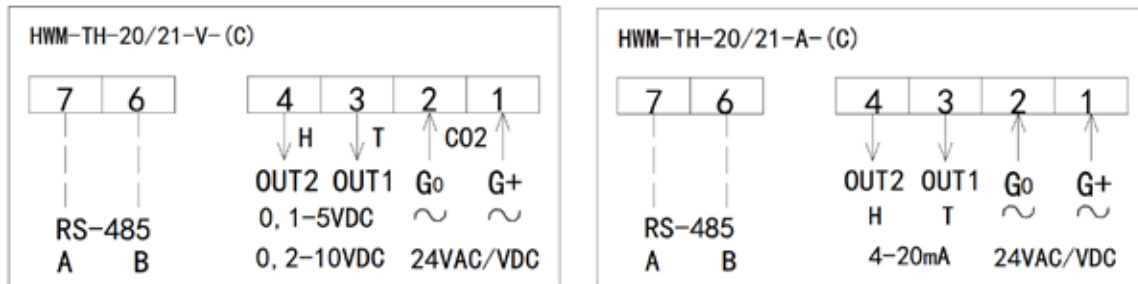
- Relative humidity and temperature measurement
- Provides up to 2 x 0~10VDC/4~20mA/0~5VDC outputs for humidity and temperature measurements
- Humidity output is automatically corrected over the full range of operating conditions
- Arbitrary point setup for temperature and humidity measurement
- Optional 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 perw 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

WIRING DIAGRAM



MORE 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).

MOUNTING

