Wall Mount Humidity & Temperature Transmitter

Applications:

H1 wall mount temperature and humidity transmitters are designed for environment monitoring and controlling in industrial, commercial and other buildings. These transmitters can be used for indoor air temperature and humidity monitoring in various industrial plant, clean room, lab, machine room, office and commercial building, airport, station, library and stadium, etc.

Features:

- High performance digital sensors and circuits, ensure accurate measurement and
- temperature compensation
- Good long term stability and reliability
- 100% interchangeable sensors, no re-calibration needed
- Fast response,
- Light and state of art house, easy installation and wiring
- Digital technology applied, multiple output optional, over voltage and reverse polarity protection, high reliability and interference capability

Specifications:

Relative Humidity

Sensor	:	Digital polymer
Range	:	0~100%RH
Output	:	4~20mA(2 wires), 0~10VDC(3 wires), RS485
Accuracy	:	2,3,4.5%RH(25°C, 20~80%RH)
Hysteresis	:	<±1%RH
Response time	:	<10s(25°C, in slow air)
Drift	:	<±0.5%RH/year

Temperature

Sensor	:	Solid state band gap, RTD or thermistor
Range	:	0~50°C
Output	:	4~20mA(2 wires), 0~10VDC(3 wires), RS485, or RTD, thermistor
Accuracy	:	see model table
Power	:	Current 7.5~36VDC Voltage & Other 15~35VAC/DC
Output Load	:	≤600Ω (current), ≥2KΩ (voltage)
Display	:	Large LCD display
Display Resolution	:	0.1°C, 0.1%RH
Temperature Limit	:	0~70°C, 0~95%RH (Non condensing)
Storage Temperature	:	-20~80°C
Housing	:	Fireproof ABS
Protection	:	IP30

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Optional LCD display:

LCD display panel can be ordered and installed in field separately. See details on MMI product.

Optional MMI operation panel:

Including LCD, integrated with function keys, can be ordered and installed in field separately. See details on MMI product

Models:

Code	Descriptions
H1	: Wall mount Temp./RH transmitter

Code	RH Accuracy
2	: ±2%RH
3	: ±3%RH
5	: ±4.5%RH

Code	RH Output (0-100%RH)
1	: 0-10VDC(3 wires)
2	: 4-20mA(2 wires)
8	: RS485, Modbus

Code	Temperature Output
0	: No
1	: 0-10VDC(3 wires)±0.4°C@25°C
2	: 4-20mA(2 wires)±0.4°C@25°C
3	: PT1000, ±0.2°C@25°C
4	: PT100, ±0.2°C@25°C
5	: NTC20K, ±0.4°C@25°C
6	: Ni 1000, ±0.4°C@25°C
7	: NTC10K-II, ±0.4°C@25°C
8	: RS485, Modbus
9	: NTC10K-III, ±0.4°C@25°C
A	: NTC10K-A, ±0.4°C@25°C

Code	Temperature Range
0	: No
1	: 0-50°C
7	: others

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Models:

Code		LCD Display
0	:	No
1	:	Yes

Dimension (mm):

*H series products are powered on RH circuit, so the RH circuit must be powered. Otherwise it could not work.