H1 Wall Mount Humidity & Temperature Transmitter

Temperature:

Sensor: Solid state band gap, RTD or thermistors

Range: 0~50°C for transmitter

Output: 4~20mA/0~10VDC/RS485, RTD or thermistors

Accuracy: <±0.5°C@25°C

Power: voltage 15~35VAC/DC, current 7.5-36VDC

Output Load: <500Ω (current), >2KΩ (voltage)

Display: Large LCD screen digital display, optional

Display Accuracy: 0.1°C, 0.1%RH

Display Resolution: 0.1°C, 0.1%RH

Temperature Limit: 0~70°C, 0~95%RH (Non condensing)

Storage Temperature: -20~80°C

Housing: ABS Enclosure

Protection: IP30

Optional LCD display: LCD display panel could be ordered and installed in field separately (H1). See details on MMI product.

Optional MMI operation panel: Including LCD, integrated with function keys, can be ordered and installed in field separately (H1). See details on MMI product.

Optional housing: ABS, IP20, classic style

Dimension: 102(H)*80(W)*24(D) mm

Part number: H0

Applications

H1 wall mount temperature and humidity transmitters are designed for environment monitoring and controlling in industrial and commercial buildings. These transmitters can be used for indoor air temperature and humidity monitoring in various industrial plant, clean room, lab, machine room, office and 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% field changeable sensors, no re-calibration needed

● Fast response

● State of art enclosure design

● Multiple output signals selectable

Specifications

Relative Humidity:

Sensor: Capacitance polymer

Range: 0~100%RH

Output: 4~20mA /0~10VDC/RS485

Accuracy: 2%, 3%, 4.5%RH (25°C,20~80%RH)

Hysteresis: < ±1%RH

Response time: < 10s(25°C, in slowly flow air)

Drift: < ±0.5%RH/year

Models:

Code	Descriptions
H0	Wall mount H/T transmitter
H1	Wall mount H/T transmitter

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

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

Code	Temperature Output
0	No
1	0-10VDC
2	4-20mA
3	PT1000，±0.2℃@25℃
4	PT100，±0.2℃@25℃
5	NTC20K，±0.2℃@25℃
6	Ni 1000，±0.4℃@25℃
7	NTC10K，±0.2℃@25℃
8	RS485，Modbus
9	Others

Code	Temperature Range
0	No
1	0-50℃

Code	LCD (H1 Only)
0	No
1	Yes

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

Dimension (mm)