

Humidity / Temp Transmitter & Modbus



1. Descriptions

Applications:

Humidity & Temperature 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.

Highlights:

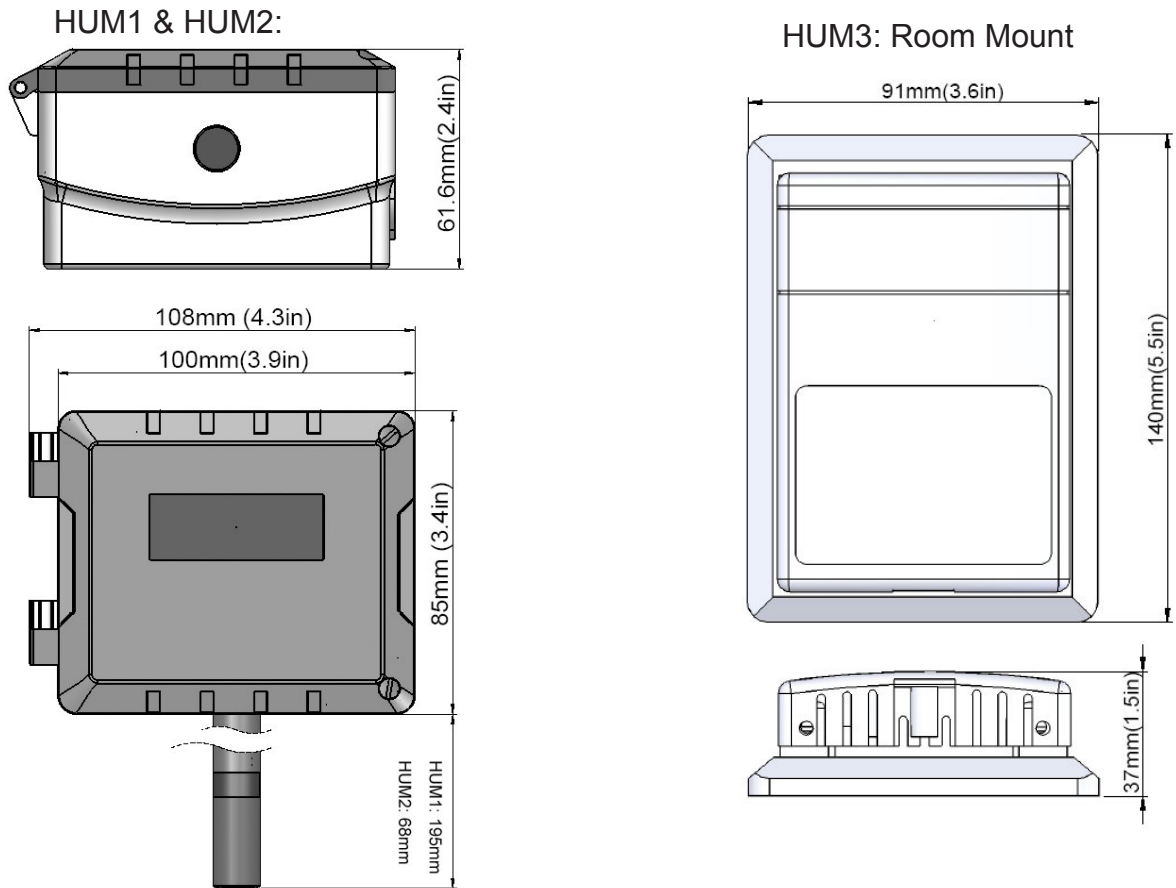
- High performance digital sensors and circuits, ensure accurate measurement and temperature compensation
- Good long term stability and reliability
- 100% field changeable sensors, no re-calibration needed
- Fast response
- Multiple output signals selectable: 4-20mA, 0-5V or 0-10V
- Display in degrees Fahrenheit or Celsius (connection to Modbus)

2. Specifications

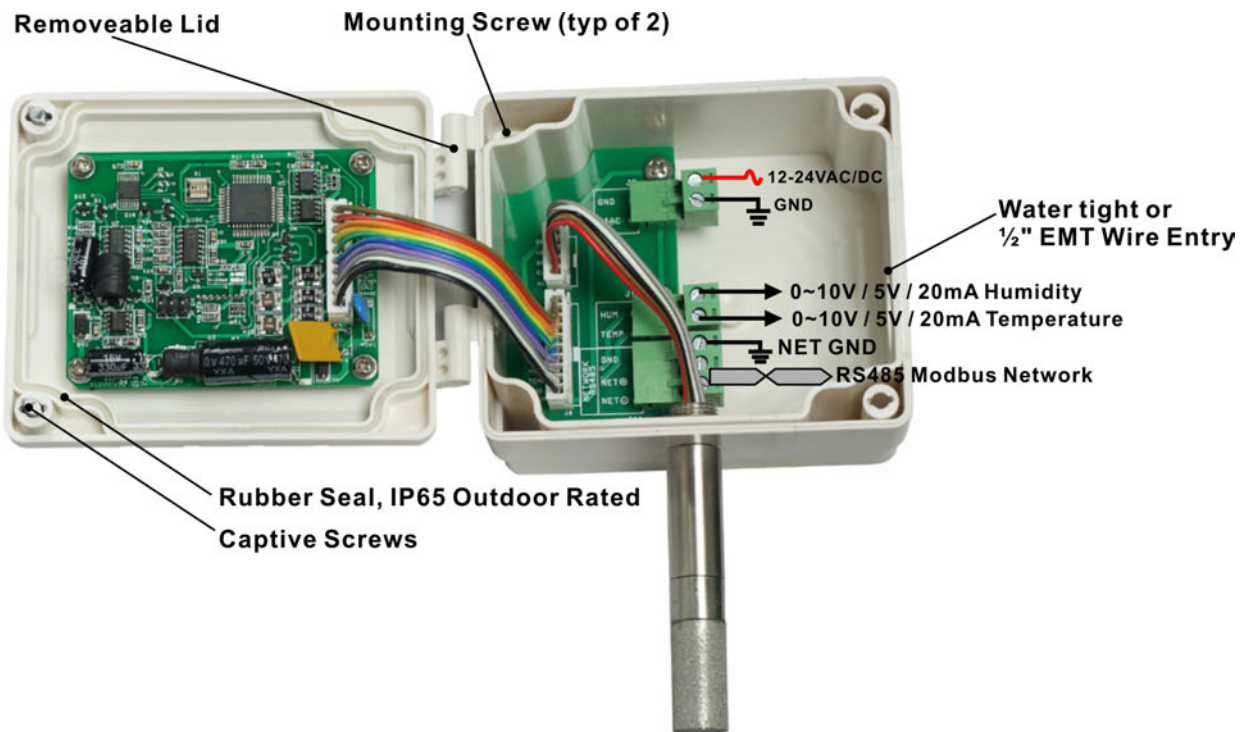
Relative Humidity:	
Sensor	capacitance polymer,
Range	0~100% non condensing
Output	4-20mA, 0-5V or 0-10V, RS 485
Accuracy	3% RH (25°C, 20~80% RH)
Hysteresis	< ±1% RH
Response time	< 10s (25°C, in slow air)
Drift	< ±0.5% RH / year
Temperature:	
Sensor	10K internal
Range	-30~70°C(-22~158°F)/transmitter
Output	4-20mA, 0-5V or 0-10V, RS 485
Accuracy	< ±0.5°C @ 25°C
General:	
Power	12 to 24V AC or DC, ±10%
Current Output Load	< 500Ω
Display	LCD screen for wall / outdoor mount and duct mount
Display Resolution	0.1°C, 0.1% RH
Temperature Limit	-30~70°C, 0~95% RH(Non condensing)
Plastic Housing	Flammability rating UL 94V0 file E194560
Protection	IP65, outdoor rated for duct and wall mount models; IP30 for room mount

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3. Dimensions



4. Highlights & Wiring Diagram



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5. Assembly

