

Introduction:

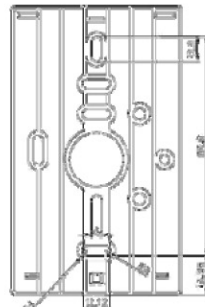
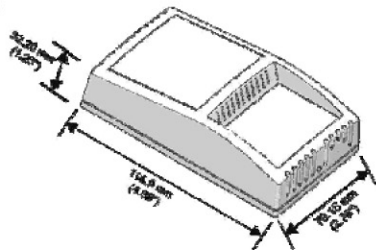
The Room Temperature/RH Transmitter has a small enclosure that has softness and tastefully shell, better flow of gas, easy installation, etc.. The device has a microcomputer linear programming unit and temperature compensating circuit. It uses high precision PT1000 and humicap as measurement units, designed as protection circuit. It can accomplish measurement of temperature and relative humidity in the myriad wicked environments.

Specifications:

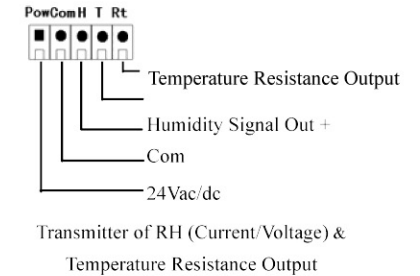
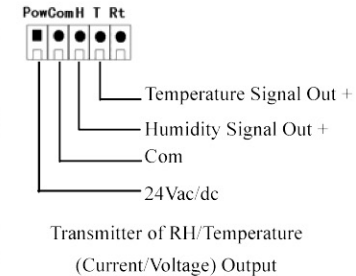
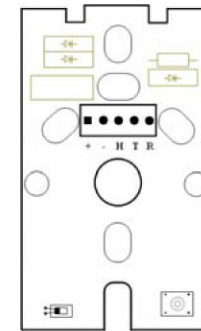
- Humidity transmitter Type: high precision humicap of Switzerland
- Temperature transmitter Type: PT-1000 Ω (Rate A)
- Temperature Sensor Type: PT-1000、PT-100、NTC10K、NTC20K
- Measurement Range of Transmitter: Humidity: 0~100%RH
Temperature: 0~50℃、-20~80℃
- Power Supply: 24Vdc/ac \pm 20%
- Output Signal: Current: 4~20mA Load Resistance < 500 Ω
Voltage: 0~5V/0~10V Load Resistance > 10K Ω
- Accuracy: Humidity: \pm 2%、 \pm 3%、 \pm 5% (20~80%RH)
Temperature: \pm 0.5℃
- Connecting Terminal: Plug Port: 3.81mm 5PIN PBT; Screw Steel: M2;
Tensional Moment: 0.2Nm; Contact Resistance: 20 m Ω
- Wiring Connections: 18~22 AWG (1.5mm²), stripping length: 6~7mm
- Storage Conditions: -20~60 ℃ (<90%RH), non-condensing
- Surge Immunity: Rate II
- Enclosure material: ABS plastics (Polycarbonate), White
- Weight: 82 \pm 5 g
- Pro-environment: RoHS



Dimensions: (mm)



Wiring:



Illustrate:

- 1、 The terminals of **Pow** and **Com** are the power supply. When using 24Vdc input, please note that the **Pow** connects the anode(“+”), the **Com** connects the cathode(“-”) (The device is reverse voltage protected and will not operate if connected backwards); when using 24Vac input, don't consider the anode and cathode too much, but the consideration of the code for electrical design and installation, advice that the **Pow** connects the **HOT** and the **Com** connects the **NEUTRAL**.
- 2、 “**Rt**” is the terminal of the temperature resistance signal out, when measuring the temperature, the sensor option output is on the two terminals marked “**Rt**” and “**T**”.

Attentions:

- When using 24Vdc input, please note that the anode and the cathode of the power, don't reverse the wiring;
- The use of shielded cable is optional but recommended for the highest noise immunity;
- Disconnect the power supply before making any connections to prevent electrical shock or equipment damage;
- When mounting the device, the constructor should wear the antistatic gloves to avoid damaging the RH/Temperature transmitter;
- The device should be mounted away from any supply air exhausts or other sources of heat or cold;
- It will thoroughness damage the polymer layer of the sensor when the device in the filed where it has chemical pollutant that has high density. The product should be stored where it is away from the source of chemical pollutant;
- Specific practices refers to <Industrial Automation Project Construction & Technology> and <Process Automation Instrumentation Project Construction & Acceptance Inspection Regulation> GB50093-2002