Humidity Temperature Transmitter

CMOSens® & Microprocessor

This transmitter is adopt the **CMOSens®** technology, measure the humidity and Temperature with high stability. There is 2 components in the sensor, measuring the humidity and hemperature respectively.In the same sensor chip, the 2 components was seamlessly connected with 14-bit A/D converter and serial interface circuit.

The **Microprocessor sample the humidity and temperature, dozens of times by each second,** then calculate the average signal value by the sample times (frequency) and filter time. The temperature range is -40C to 120C. The average filter time is 1 second, the range and the filter time could be fixed.

Type:

GE-371-TH01 Duct Type T-H Transmitter
GE-371-TH02 Room Type T-H Transmitter

Application:

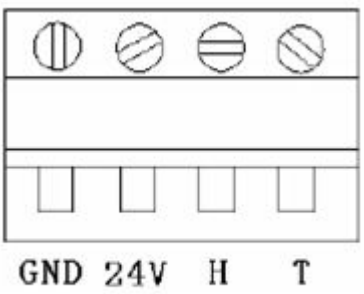
* Measure the Humidity and Transmitter in the Ventilation systerm
* Control the critical temperature and humidity
* Monitor the environment of room, control the environment of hospital, greenhouse, etc.

Character

* Quickly response linearly, Integration for temperature and humidity
* Digital circuit design
* Programmable signal range, wide measure range, high accuracy
* Signal filtering, more stable and reliable performance, stronger anti-interference ability
* COM port for calibration and measurement on the spot

Technology Data

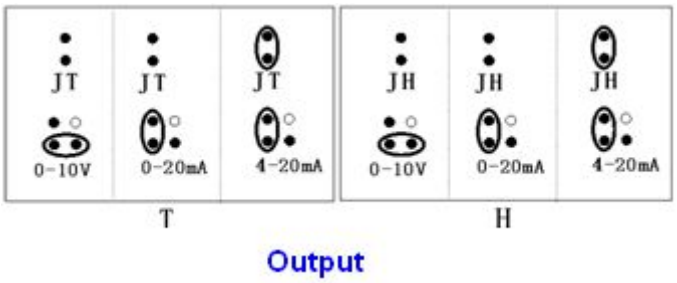
1. **Temperature Data**
* Accuracy: -/+ 0.5 C
* Temperature Range: 0~50C,
  0~100C, -20C~80C,
  or Custom-Made OEM ODM
* Response Time: 5 s
* Drift: small than < 0.04C/year



Wire Connecting

2. Humidity Data

* Accuracy: -/+ 3%RH
* Humidity Range: 0~100%RH,
* Response Time: 8s
* Drift: less than <0.5%RH/year

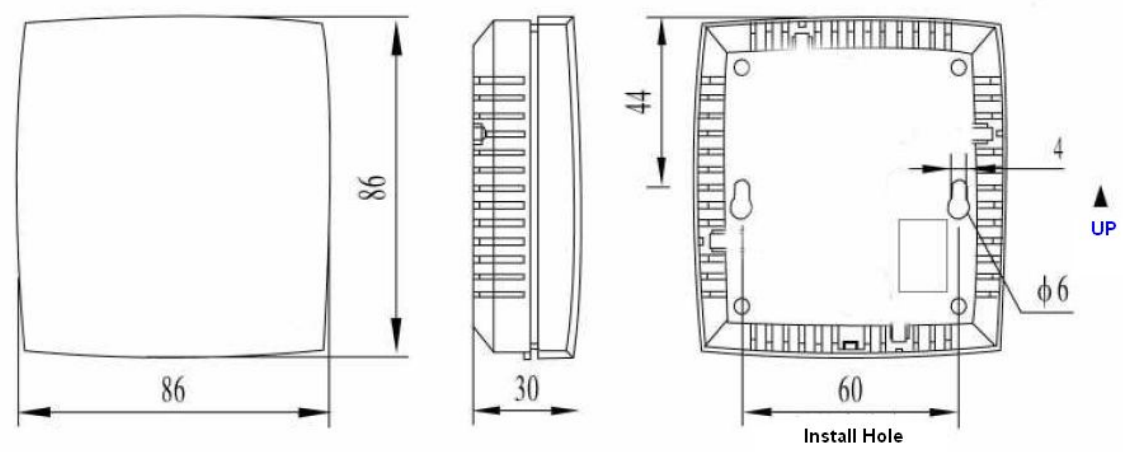
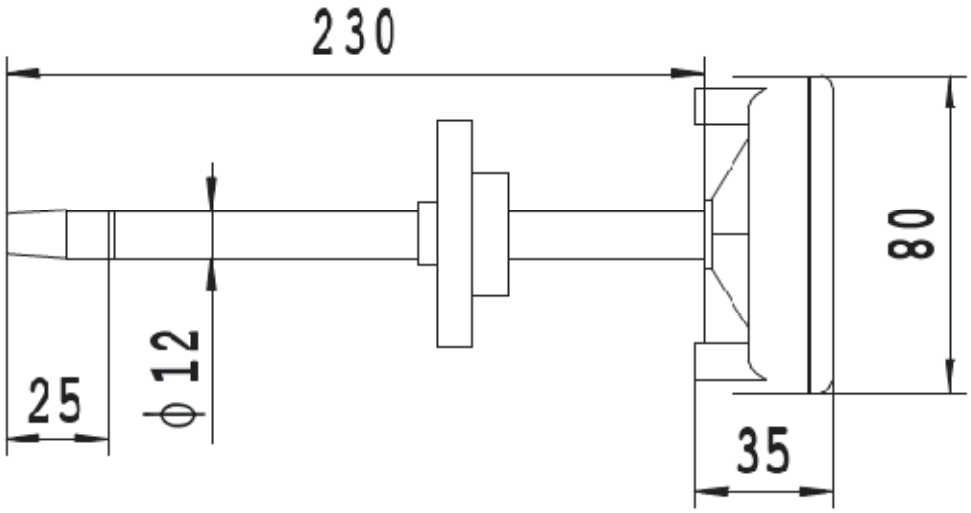


3. Electronic Data

* Power: 24VDC, Max 2VA
* Output: 0~20mA, 4~20mA, 0~10VDC Jumper Loop
* Loading: <500Ω for current ouput, >10KΩ for voltage ouput
* Protect Grade: IP65

Dimension Drawing

1. Room Type Humidity and Temperature Transmitter



2. Duct Type Humidity and Temperature Transmitter