ROOM TEMP. & HUMIDITY TRANSMITTER

(GSTH-1420)



Application

"GSTH" Room Temperature Humidity Transmitter is intended for ventilation and air-handling units to detect Room temperature and relative humidity.

Especially, this unit is very suitable for using in pulp/textile/food warehouse, greenhouse, computer room, R&D room, indoor swimming pool, hospital, etc.

Equipment Combinations

This unit can be used with all system equipments that can receive output signals 4~20mA DC of the detector.

Operating Mode

- Relative humidity • Electronic sensing circuit varies signal into 4~20mA DC(Within 0~100% relative humidity)
- Temperature

This Transmitters senses temperature by sensing element of PT 1000 Ω Which varies electrical resistance depending on sensing temperature

Technical Data

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- SUPPLY VOLTAGE
- FREQUENCY

- POWER CONSUMPTION
- SENSING RANGE •
- HUMIDITY ELEMENT •
- ACCURACY(at20°C)
- OUTPUT SIGNAL

: 50 or 60Hz

: 24V AC/DC ±20%

- : below 1VA
- :-10~+70°C/0~100%RH
- : Integrated Circuit
- : at 20~90%RH, ±3%RH
- : Pt1000Ω(Pt100Ω)/4~20mA DC
- SENSING TIME : About 20sec

- AMBIENT TEMPERATURE :
 - 1) On Operation: -10~+70°C
 - 2) On Transportation & Storage: -25~65°C
- AMBIENT HUMIDITY : On Operation : below 95%RH
- PROTECTION CLASS
- : IP30(EN60529)
- WIRING : 5 and 6 wires, 1.0 m²
- WEIGHT : 0.06Kg
- HOUSING : plastic case
- PROTECTION CLASS : IP30

Mounting Notes

- Select a location approx 1.5 meter above the floor for sensor with is representative of the space to be controlled and where it will be readily affected by changing in the general space temperature & humidity level.
- The sensor location should also be reasonably dean and free damp and condensation.

Wiring diagram



Dimension



