

OUTSIDE TEMP. & HUMI. TRANSMITTER (GOTH-1420)



Application

"GOTH" Outside Temperature Humidity Transmitter is intended for ventilation and air-handling units to detect outside 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 of the detector.

Operating Mode

- Relative humidity
Electronic sensing circuit varies signal into 4~20mA (Within 0~100% relative humidity)
- Temperature
This Transmitter senses temperature by sensing element of PT 1000Ω which varies electrical resistance depending on sensing temperature

Technical Data

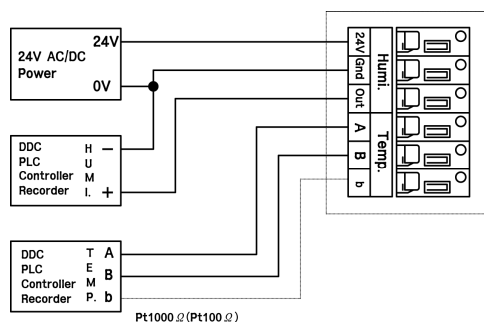
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|---------------------|-------------------------------|
| ● SUPPLY VOLTAGE | : 24V AC/DC ±20% |
| ● FREQUENCY | : 50 or 60Hz |
| ● POWER CONSUMPTION | : below 1VA |
| ● SENSING RANGE | : -35~+80℃ / 0~100%RH |
| ● ACCURACY(at20℃) | : at 20~90%RH, ±3%RH |
| ● OUTPUT SIGNAL | : Pt1000Ω(Pt100Ω) / 4~20mA DC |
| ● SENSING TIME | : Approx, 20sec |

- AMBIENT TEMPERATURE :
 - 1) On Operation: -35~+80℃
 - 2) On Transportation & Storage: -25~+65℃
- AMBIENT HUMIDITY : On Operation : below 95%RH
- WIRING : 5 and 6 wires, 1.0m²
- WEIGHT : 0.06Kg
- HOUSING : Plastic case
- PROTECTION CLASS : IP30

Mounting Notes

- Select a location approx 1.5 meter above the floor.
- The sensor location should also be reasonably clean and free damp and condensation
- The element must not be touched and should be protected from dust, water, spray and condensation.
- The sensor element must not be exposed to organic solvents, sulphid bearing materials.
- Do not use DC test meter as this will damage the sensor element. Fix with the bolts provided in pull box (50×100)
- To avoid the conductive current the wires should be separated from power lines.
- Use the shield line when wiring.

Wiring diagram



Dimension

