

OUTSIDE TEMP. & HUMI. TRANSMITTER (GOTH-1100)



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 0~10V DC of the detector.

Operating Mode

- Relative humidity
Electronic sensing circuit varies signal into 0~10V DC (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

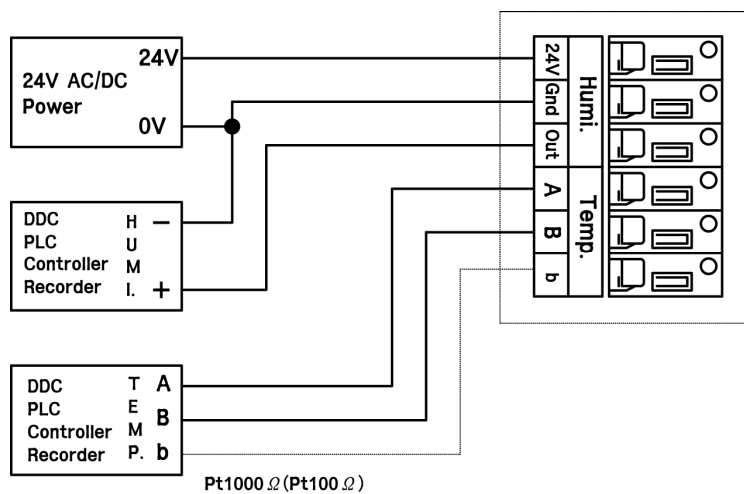
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|---------------------------------|------------------------------|
| ● SUPPLY VOLTAGE | : 24V AC/DC ±20% |
| ● FREQUENCY | : 50 or 60Hz |
| ● POWER CONSUMPTION | : below 1VA |
| ● SENSING RANGE | : -35~+80℃ / 0~100%RH |
| ● ACCURACY(at20℃) | : at 20~90%RH, ±3%RH |
| ● OUTPUT SIGNAL | : Pt1000Ω(Pt100Ω) / 0~10 VDC |
| ● SENSING TIME | : Approx, 20sec |
| ● AMBIENTTEMPERATURE | : |
| 1) On Operation: | -35~+80℃ |
| 2) On Transportation & Storage: | -25~+65℃ |

- AMBIENT HUMIDITY : On Operation : below 95%RH
- WIRING : 5 and 6 wires, 1.0mm²
- 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 dean and free damp and condensation
- The element must not to be touched and should be protected from dust, water, spray and condensation.
- The sensor element must not to be exposed to organic solvents, sylphid 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

