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Outside air Temp. humidity sensor GOTHO- 1420 Pt1000 (Pt100)



Summary

- Used as control sensor to detect relative humidity and temperature in the system of ventilation, HVAC
- To display sensor value or to interface with BLDC system

Application

- Factory of paper and fiber, storage, warm rooms, Data processing rooms, hospitals, etc.
- In optimized conditions, used as measurement sensor

Technical Data

- Power supply : 15 ~ 30VDC
- Output signal : Temp. Pt1000Ω(Pt100Ω)
Humidity 4~20mA
- Sensing range : Temp. -35 ~ 80°C
Humidity 0~100%RH
- Output unit : Pt1000Ω(Pt100Ω)
- Heat current : below 2mA(0.02OHM/0.02Deg.)
- Accuracy : within ±0.2°C at 25°C
±2%RH at 10~90%
- Wiring : 5wire
- Sensing time : Appr. 20sec at 0.15m/sec velocity
- Ambient temperature :
1) in operation : -35 ~ 80°C
2) in transit or storage : -25 ~ 65°C
- Ambient humidity : below 95%RH in operation
- Protection : IP30 (EN60529)
- Weight : 0.10kg

Notes

- To control : recommend to install on the wall of house or building, not to be exposed to direct sunlight
- Locations : 1.5m high from the ground
- Prohibited locations : windows, doors, air outlet, upside of heat source / Veranda or eaves
- Sealing the cable of sensor not to make an error by air-convection
- Do not paint the sensor

Wiring Diagram

