

3-5

Outside air Temp. humidity sensor GOTHO-1420N

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 : 15V ~ 30VDC
- Output signal : 4~20mA
- Sensing range : Temp. -20 ~ 50°C
Humidity 0~100%RH
- Accuracy : Temp. within $\pm 0.2^{\circ}\text{C}$ at 20°C
Humidity within $\pm 2\%$ at 10~90%RH
- Wiring : 4wire
- Sensing time : Appr. 20sec at 0.15m/sec velocity
- Ambient temperature : $-35\sim 80^{\circ}\text{C}$ in operation
- Ambient humidity
 - 1) in operation : Below 100%RH
 - 2) in transit or storage : below 95%RH
- 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

