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Room Temp. humidity sensor GRTHO-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 : Temp. NTC 3K Ω / Humidity 0~100%RH
- Sensing unit : NTC 3K Ω
- Heat current : below 2mA(0.02 OHM / 0.05Deg.)
- Accuracy : within $\pm 0.2\%$ at 20°C
 $\pm 2\%$ at 10~90%RH
- Wiring : 4 wire
- Sensing time : Appr. 20sec at 0.15m/sec velocity
- Ambient temperature
 - 1) in operation : -10 ~ 70°C
 - 2) in transit or storage : -25 ~ 65°C
- 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

