

3-4

Outside air Temp. humidity sensor GOTHO-1420 (N3K)

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

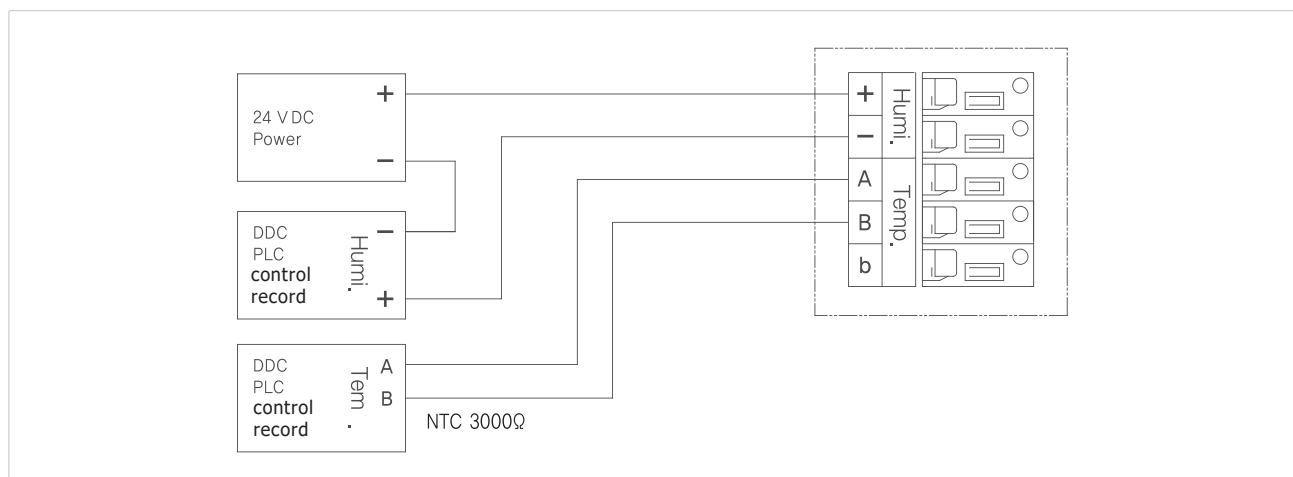
Technical Data

- Power supply : 15 ~ 30VDC
- Output signal : Temp. NTC 3K Ω / Humidity 4~20mA
- Sensing range : Temp. -25~80°C
Humidity 0~100%RH
- Sensor unit : NTC 3K Ω
- Heat current : below 2mA
- Accuracy : within $\pm 2\%$ RH at 10~90%RH
- Wiring : 4 wire
- 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
 - 1) in operation : below 100%RH
 - 2) in transit or storage : below 95%RH
- Protection : IP30 (EN60529)
- Weight : 0.09kg

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



Outside air Temp. humidity sensor - shape dimension

3-1 GOTH-1420N / GOTH-1100N

3-2GOTHO-1420N

3-3 GOTHO-1420N Pt1000 (Pt100)

3-4GOTHO-1420N (N3K)

Shape Dimension

