

## 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

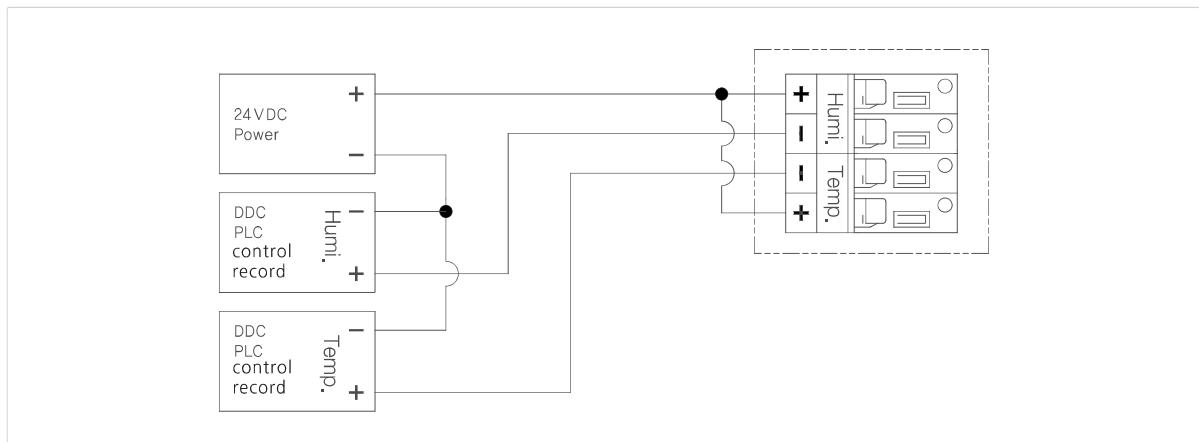
#### Technical Data

• Power supply : 15V ~ 30VDC	• Ambient temperature : -35~80°C in operation
• Output signal : 4~20mA	• Ambient humidity
• Sensing range : Temp. -20 ~ 50°C	1) in operation : Below 100%RH
Humidity 0~100%RH	2) in transit or storage : below 95%RH
• Accuracy : Temp. within $\pm 0.2^{\circ}\text{C}$ at 20°C	• Protection : IP30(EN60529)
Humidity within $\pm 2\%$ at 10~90%RH	• Weight : 0.10kg
• Wiring : 4wire	
Sensing time : Appr. 20sec at 0.15m/sec velocity	

#### 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



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검출기