

3-5

Outside air Temp. humidity sensor GOTHO-1420S



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

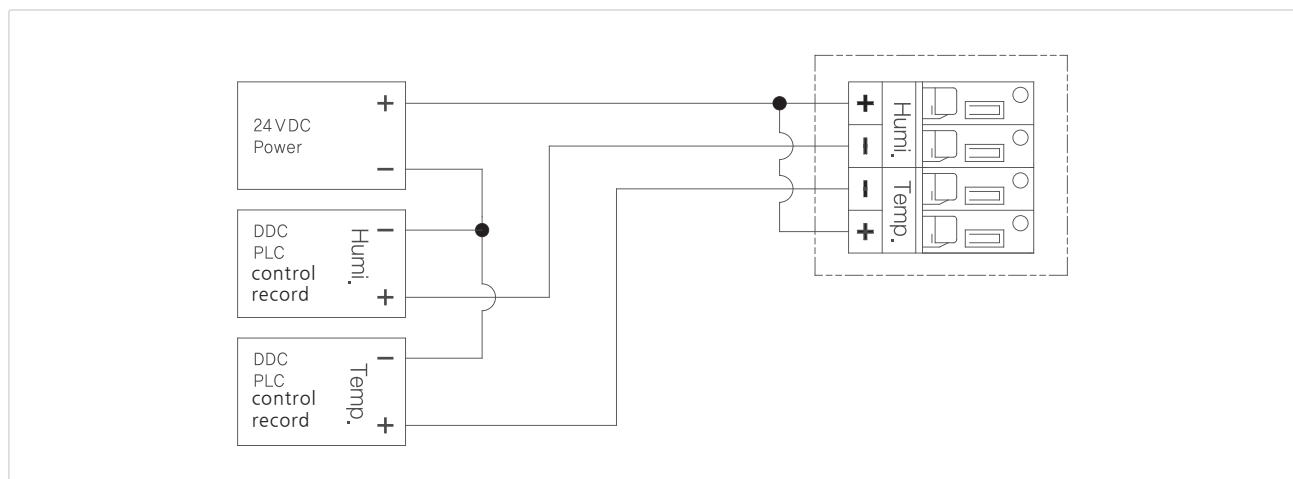
Technical Data

- Power supply : 15V ~ 30VDC
- Output signal : 4~20mA
- Sensing range : Temp. -30 ~ 80°C
Humidity 0~100%RH
- Accuracy : Temp. within $\pm 0.2^{\circ}\text{C}$ at 25°C
Humidity within $\pm 2\%$ at 20~90%RH, 20°C
- Wiring : 4wire
- Sensing time : Appr. 30sec at 0.15m/sec velocity
- Ambient temperature : -35~80°C in operation
- Ambient humidity
1) in operation : 5 ~ 100%RH
2) in transit or storage : below 95%RH
- Cable entry gland : PF1/2"
- Protection : IP65(EN60529)
- Material of sensor rod : SUS304
- Weight : 0.17kg

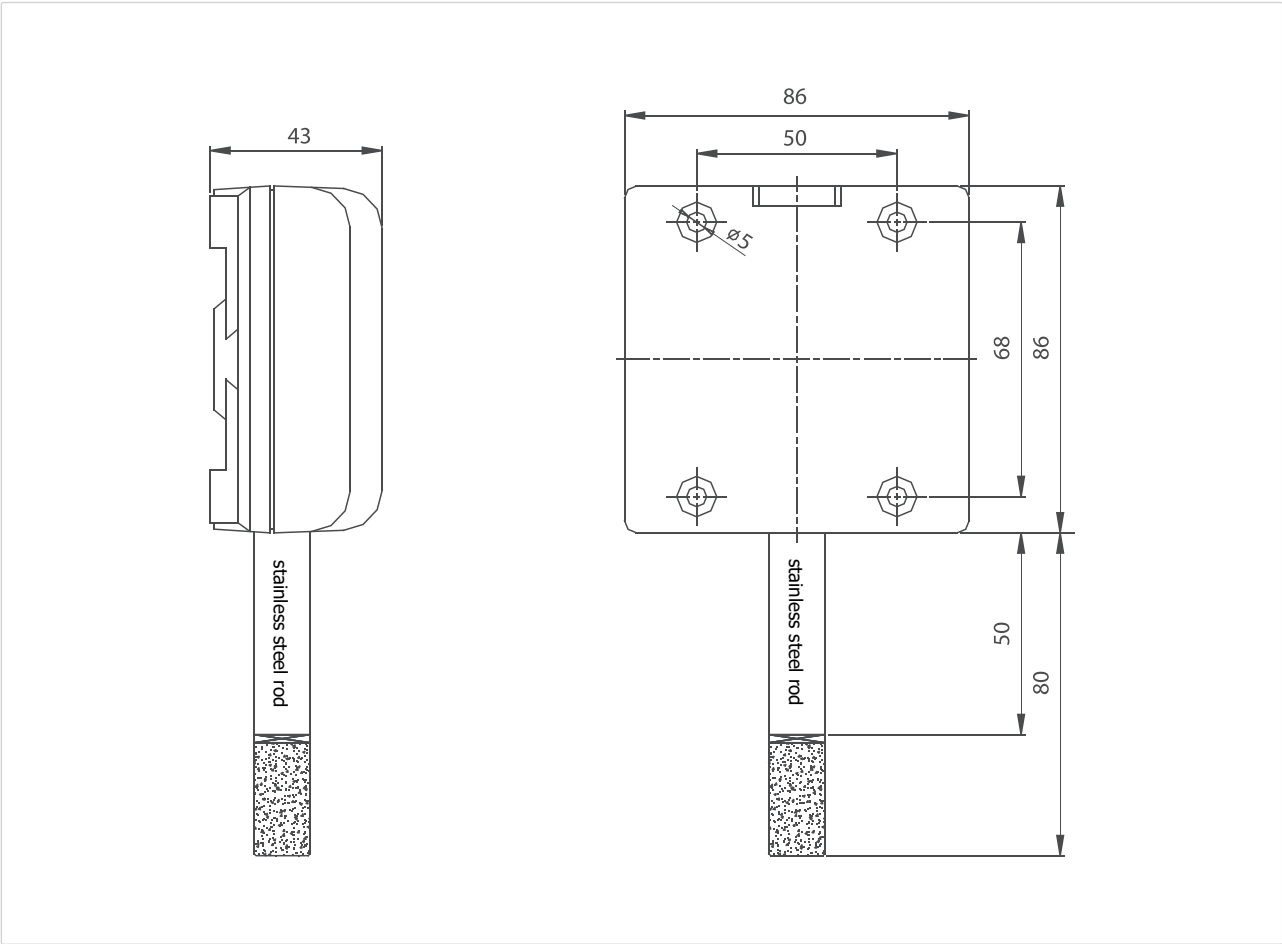
Notes

- 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



Shape Dimension



온습도검출기