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Outside air humidity sensor GOH-420N / GOH-110N



Application

- In the system of ventilation, HVAC
- control sensor as outside air humidity sensor
- sensors of BLDC or control box indicator

Unit Combination

To be used by connecting all systems and devices that can accommodate output signal 4~20mA(GOH-420N) / 0~10VDC(GOH-110N) from sensors.

Operation

- Electric circuit-board convert 4~20mA(GOH-420N), 0~10VDC(GOH-110N, equivalent to 0 ~ 100% relative humidity.
- $\pm 2\%$ RH accuracy within the range of 20 ~ 90%RH

Technical Data

- Power supply : 24V AC/DC $\pm 20\%$
- Frequency : 50 or 60Hz
- Consumption power : 0.35VA
- Sensing range : 0~100%RH
- Accuracy at 20°C : $\pm 2\%$ RH at 20 ~ 90%RH
- Out-put signal : 4 ~ 20mA(GOH-420N),
0 ~ 10VDC(GOH-110N),
0~1VDC(GOH-010N)
- Ambient temperature
 - 1) in operation : -35 ~ + 80°C
 - 2) in transit : -25 ~ 65°C
- Ambient humidity
 - 1) in operation : below 100%RH(no-condensation)
 - 2) in transit or storage : below 95%RH
- Protection : IP30
- Weight : 0.06kg

Mounting Notes

- Location : install on the wall of the space in good air-circulation
- Prohibition : corners, shelves, behind the curtain, near or opposite to heating equipment
- Recommendations
 - 1.5m high from the ground without direct sunlight
 - Sealing the end of sensor wire to protect error caused by dust-particles from the cable tube

Wiring Diagram

