2-3 Room humidity sensor GSH-420N / GSH-110N

Application

To sense relative humidity in the system of ventilation and HVAC.
- Used as control 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(GSH-420N) / 0~10VDC(GSH-110N) from sensors.

Control Mode

· Electric circuit-board convert 4~20mA(GSH-420N), 0~10VDC(GSH-110N, equivalent to 0 ~100% relative humidity).
· ±3%RH accuracy within the range of 20 ~ 90%RH.

Technical Data

· Power supply : 24V AC/DC ±20%
· Frequency : 50 or 60Hz
· Consumption power : 0.35VA
· Sensing range : 0~100%RH
· Accuracy at 20℃ : ±2%RH at 20 ~ 90%RH
· Out-put signal : 4 ~ 20mA(GSH-420),
0 ~ 10VDC(GSH-110),
0~1VDC(GSH-010)
· Sensing time : 20sec at 0.15m/sec velocity
· Ambient temperature
1) in operation : -10 ~ + 70℃
2) in transit or storage : -25 ~ 65℃
· 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, shelfs, 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