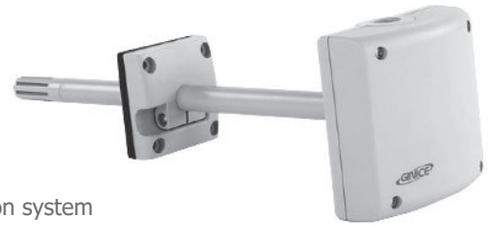
2-6 Duct humidity sensor
GDH-420 / GDH-110



Applications

To sense relative humidity of air in duct of ventilation, HVAC
· control sensor in air-supply or air-distribution
· limit sensor when connected with vapor humidifier
· limit-sensor to display value or interface with building automation system

Units applications

To be used by connecting the systems or equipments that accommodates output signal of sensor(4 ~ 20mA(GDH-420) / 0 ~ 10VDC(GDH-110)).

Range of control

· Current sense circuit converts signal to 4 ~ 20mA(GDH-420)/0 ~ 10VDC(GDH-110) equivalent to 0 ~ 100% of relative humidity)
· ±2%RH accuracy within 20 ~ 90%RH of the range in use

Filter caps

- Available to remove the dust of metal grid and repair(or replace), by opening filter caps connected at the end of sensor

Technical features

- Power supply : 24V AC/DC ±20%
- Frequency : 50 or 60Hz
- Consumption power : below 0.5VA
- Range of sense : 0 ~ 100%RH
- Sensor accuracy at 20℃ : ±2%RH at 20 ~ 90%RH
- Output signal : 4 ~ 20mA(GDH-420)
  0 ~ 10VDC(GDH-110), 0 ~1VDC(GDH-010)
- Sensing time : 20sec at 2m/sec Velocity
- Ambient temperature
  1) in operation : -15 ~ 80℃
  2) in transit : -25 ~ 65℃
- Ambient humidity
  1) in operation : below 5 ~ 100%RH
  2) in transit : below 95%RH
- Housing protection : IP65
- Cable entry gland : PF1/2"
- Weight(with bracket) : 0.170kg

Mounting notes

- Location to install : on the center of duct wall

Wiring diagram