

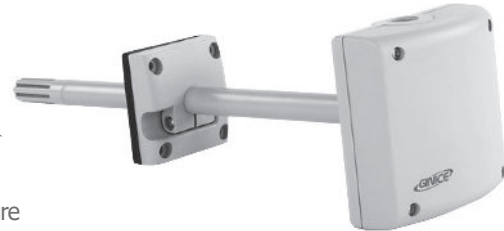
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Duct temp. humidity sensor GDTHO-1420 Pt1000 (Pt100)

Application

In the system of ventilation or HVAC, duct temp. humidity sensor is for

- air-supplying or distributing temp. humidity sensor
- shift sensor to adjust room temp. humidity calculating outside temperature
- measuring sensor to display sensing value or use DDC auto-control system



Technical Data

- Power supply : 15 ~ 30VDC
- Output signal : Temp. Pt1000Ω(Pt100Ω) / humidity 0~100%RH
- Sensor : Pt1000Ω(Pt100Ω)
- Heat current : below 20mA (0.020HMS / 0.05Deg.)
- Accuracy : within $\pm 0.2^{\circ}\text{C}$ at 25°C
 $\pm 2\%\text{RH}$ at 10~90%RH
- Wire : 5wire
- Sensing time : 20sec at 2m/sec velocity
- Ambient temperature : $-30 \sim 70^{\circ}\text{C}$
- Ambient humidity : below 95% RH
- Cable entry gland : PF1/2"
- Housing protection : IP65(EN60529)
- Weight(with bracket) : 0.23kg

Notes

- To control air-supplying temp. humidity : install behind fan that is located at the back of the last air-control unit
- To control air-distributing temp. humidity : behind fan in all cases
- Variances may be caused by clogged filter

Filter Caps

Dust-removable or replaceable metal mesh by opening filter caps on the end of sensor enclosure.

Wiring Diagram

