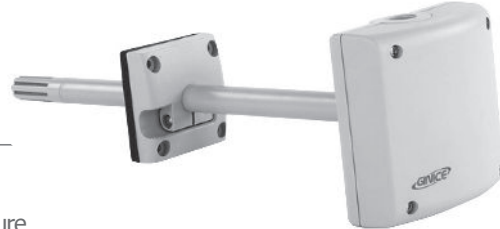


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Duct Temp. humidity sensor GDTHO-1420(N3K)

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 ~ 30 VDC
- Output signal : Temp. NTC 3K Ω / Humidity 4 ~ 20mA
- Sensing range : Temp. -30 ~ 130°C / Humidity 0 ~ 100%RH
- Sensing unit : NTC 3K Ω
- Heating current : below 2mA
- Accuracy : $\pm 2\%$ RH at 10 ~ 90% RH
- Wiring : 4wire
- Sensing time : 20sec at 2m/sec velocity
- Ambient temperature : -30 ~ 70°C
- Ambient humidity : below 95%RH
- Cable entry gland : PF1/2"
- Protection : IP65(EN60529)
- Weight(with bracket) : 0.23kg

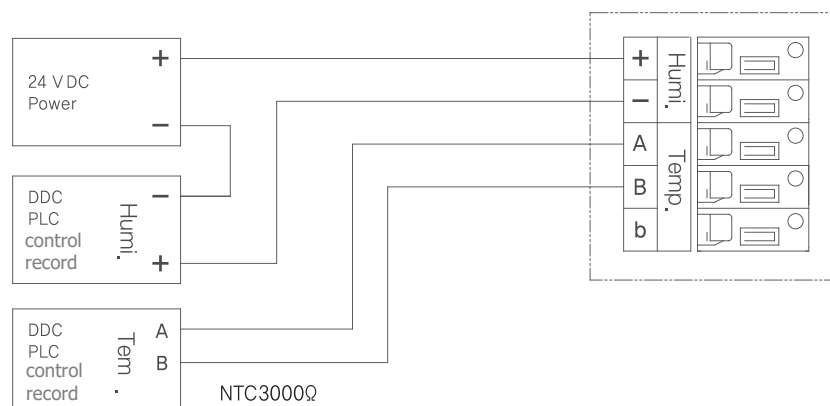
Notes

- 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



Duct Temp. humidity sensor - Shape dimension

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3-12 GDTHO-1420

3-13 GDTHO-1420 Pt1000 (Pt100)

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Shape Dimension

