



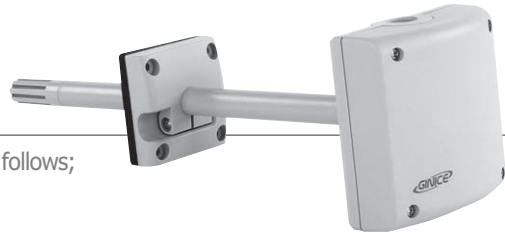
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Duct temperature sensor GDTO-420 / GDTO-105

온도감지기 & 검출기

Applications

- In the system of ventilation and HVAC, duct temperature sensor is as follows;
- air - supplying or air-distributing temp. sensor
 - limit sensor to limit lowest value for air-supplying
 - shift sensor to adjust room temperature calculating outside temperature
 - measuring sensor to display sensing value or use auto-control system in building



Technical features

- Power supply : 15 ~ 30VDC
- Out-put signal : 4 ~ 20mA(GDTO-420)/1~5VDC(GDTO-105)
- Sensing range : ① 0 ~ 70°C(standard)
 - ② -10 ~ 60°C
 - ③ -30 ~ 80°C(SUS 304 bar)
- Precision : $\pm 0.3^{\circ}\text{C}$
- Wiring : 2wire
- Sensing time : 30sec at 2m/sec Velocity
- Ambient Temp. : -30 ~ 80°C
- Ambient humidity : below 95%RH
- Protection : IP65(EN60529)
- Cable entry gland : PF 1/2"
- Weight : 0.19kg

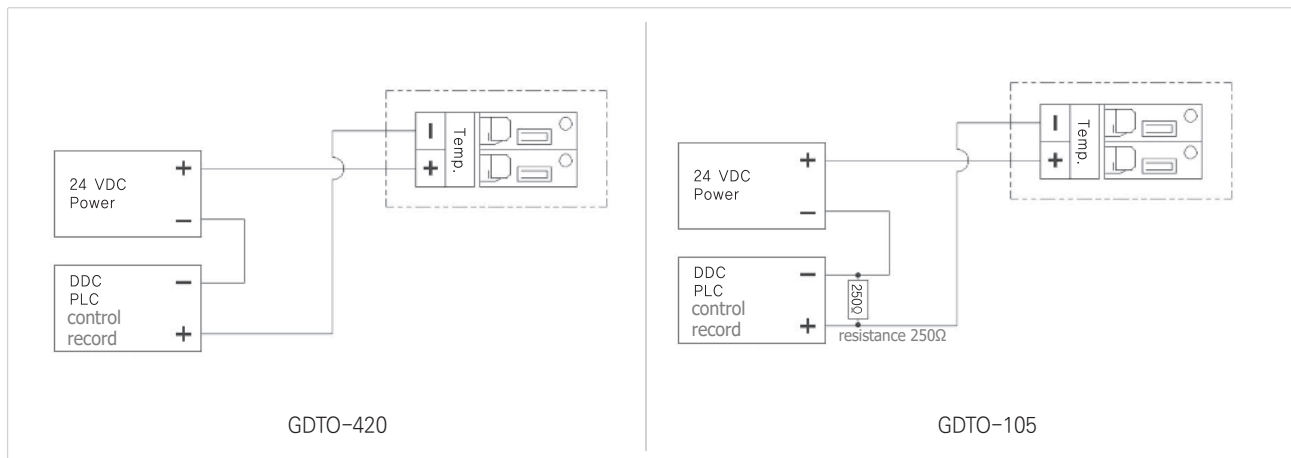
Notes

- To control air-supplying temperature,
- 1) install sensor right behind fan at the last air-control unit
 - 2) install sensor at least 0.5mm away from the last air-control unit
- To control air-distributing temperature,
- install sensor behind fan
- To sense air-supplying shift,
- install sensor close to the room(or office)

Filter cap

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

Wiring diagram



Duct temperature sensors - Dimension and installation

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Shape dimension

