

2-7

Duct humidity sensor
GDHO-420 Applications

In the system of ventilation and HVAC, duct humidity sensor is as follows;

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

 Technical Data

- Power supply : 15 ~ 30VDC
- Out-put signal : 4 ~ 20mA
- Sensing range : 0 ~ 100%RH
- Precision : $\pm 2\%$ RH at 20 ~ 90%RH
- Wiring : 2wire
- Sensing time : 20sec at 2m/s Velocity
- Ambient temperature : -25 ~ 65°C(in transit)
- Ambient humidity
 - 1) operation : below 5 ~ 100%RH
 - 2) in transit : below 95%RH
- Cable entry gland : PF 1/2"
- Protection : IP65
- Weight : 0.170kg

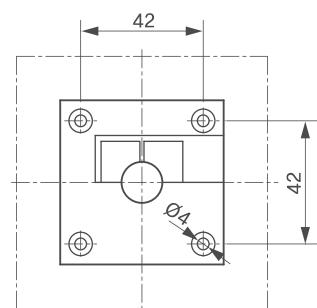
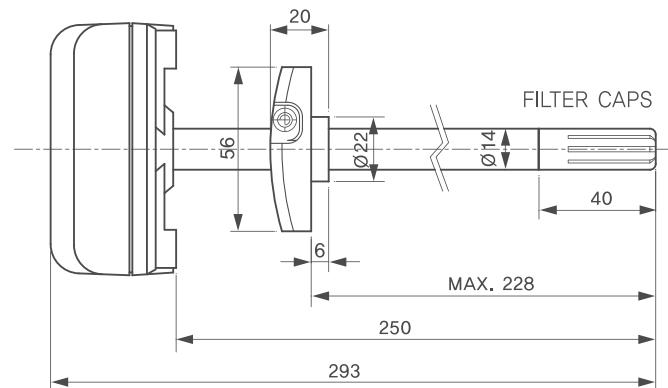
 Mounting Notes

- To control air-supply humidity
 - install behind fan in case that fan is located on the back of the last air-control unit
 - for other cases, install at least 0.5m away from the last air-control unit
- To control air-distributing humidity
 - install behind fan in all cases
- Errors to be caused by clogging filter

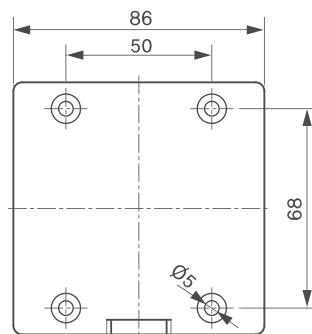
 Filter caps

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

 Wiring diagram습도
검출기

Duct humidity sensor - Shape dimension**2-6 GDH-420 / GDH-110****2-7 GDHO-420** **Shape dimension**

with bracket



without bracket