

## 3-15

## Duct Temp. humidity sensor GDTHO-1420

### 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



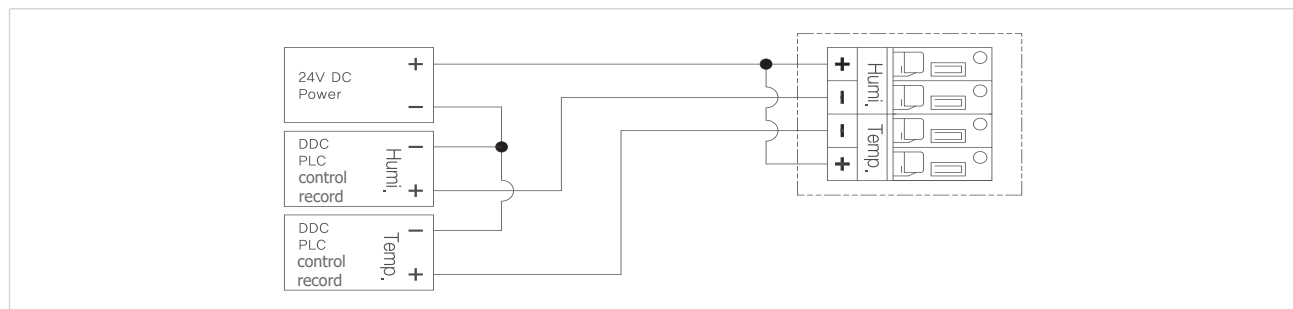
### Technical Data

- Power supply : 15 ~ 30VDC
- Output signal : 4 ~ 20mA
- Sensing range : Temp. -30 ~ 130°C  
Humidity 0 ~ 100%RH
- Accuracy : within  $\pm 0.2^{\circ}\text{C}$  at 20°C  
 $\pm 2\% \text{RH}$  at 10~90%RH
- Wiring : 4wire
- Sensing time : 30sec at 2m/sec velocity
- Ambient temperature : -30 ~ 70°C
- Ambient humidity : below 95%RH
- Cable entry gland : PF1/2"
- Protection : IP65 (EN60529)
- Material of sensor rod : SUS304
- Weight(with bracket) : 0.29kg

### Note

- 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
- To control dew point : right behind spray tray of air washer
- Variances may be caused by clogged filter

### Wiring Diagram



### Shape Dimension

