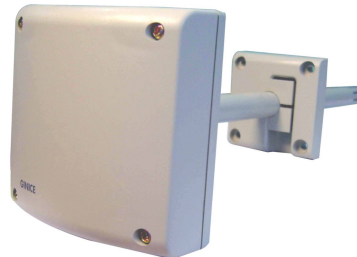


DUCT TEMPERATURE SENSOR (GDT-N10K)



Application

"GDT" Duct Temperature Sensor is intended for heating, ventilation, air conditioning and other industrial installations for control and receiving reference signals in a air duct system.

- Sensor for Air supplying or distributing
- Limit Sensor (in case of limiting lowest value for air supplying)
- Shift Sensor (in case of revising room temperature depending on outside temperature)
- Measuring sensor (In case of displaying sensing value or using auto control system for building)

Technical Data

- SENSING ELEMENT : NTC 10K Ω (10000 Ω)
TYPE - ACI/10K-CP(BA/10K-2) , ACI/10K-AN(BA/10K-3)
- SENSING RANGE : -30 ~ +130 $^{\circ}$ C
- ACCURACY : \pm 0.2 $^{\circ}$ C at 25 $^{\circ}$ C
- SENSING TIME : 30sec at 2m/sec Velocity
- AMBIENT TEMPERATURE : -30 ~ +130 $^{\circ}$ C
- AMBIENT HUMIDITY : 5 ~ 95% Rh
- APPLICATION : DDC SYSTEM
- CHARACTERISTICS : Table of Reference Values
- WIRE : 2 wires, 1.0mm²
- PROTECTION CLASS : IP54
- CABLE FITTING : PF 1/2"
- WEIGHT : 0.17Kg(W/BRACKET)

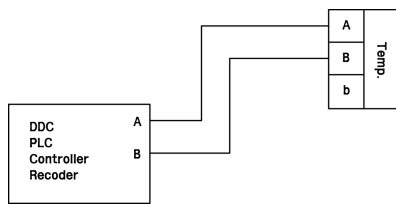
Mounting Guide

- On controlling supplying air temperature:
 - Install at behind of Fan in case of installing Fan at the last air control unit
 - For other case, install at minimum 1.5m away from the last air unit
- On controlling Distributing air temperature:
 - Install always at behind of Fan
- On using shift sensor for supplying air : Install as possible as near to inside room
- Fix it to the bracket with the bolts
- Use a shield line which should be separated from power line (AC100/200V)
- Mounting position;

When the detector has to be mounted on supply duct the detector must be kept between 3 to 8 meters from the humidifier unit. For accurate measurement of the temperature follow recommendation as;

- with spray water fogger; between 5 to 8 meters

Wiring Diagram



NTC 10000 Ω

Dimension

