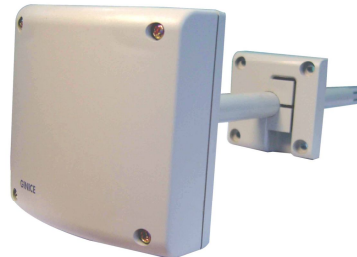


DUCT TEMPERATURE SENSOR (GDT-N5K)



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 5K Ω (5000 Ω)
● SENSING RANGE	: -30 ~ +110 $^{\circ}$ C
● ACCURACY	: \pm 0.3 $^{\circ}$ C at 25 $^{\circ}$ C, 5000 Ω
● 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, 1.0mm ²
● PROTECTION CLASS	: IP54
● CABLE FITTING	: PF 1/2"
● WEIGHT	: 0.17Kg(W/BRACKET)

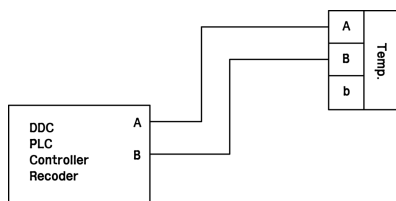
Mounting Guide

- 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 5000Ω

Dimension

