

DUCT TEMPERATURE SENSOR (GDT-100)



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)

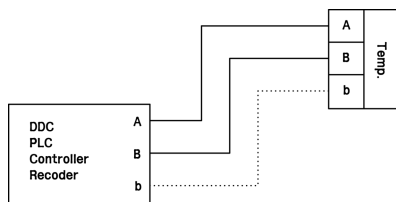
Technical Data

- SENSING ELEMENT : Pt 100Ω
 - SENSING RANGE : -30 ~ +130℃
 - ACCURACY : ±0.3℃ (at 0℃)
 - SENSING TIME : 30sec at 2m/sec Velocity
 - AMBIENT TEMPERATURE : -30 ~ +130℃
 - AMBIENT HUMIDITY : 5 ~ 95% Rh
 - APPLICATION : DDC System and controller
 - CHARACTERISTICS : Table of Reference Values
 - WIRLING : 3 wires, 1.0mm²
 - PROTECTION CLASS : IP54
 - CABLE FITTING : PF 1/2"
 - WEIGHT : 0.17Kg(W/BRACKET)
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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



Pt100Ω

Dimension

