

AVERAGE TEMPERATURE SENSOR (GDAT-100)



Application

"GDAT" Average temperature sensor is intended for installing on Ventilation and air-handling units will be used on following usages.

- Sensing the Temperature of supplying or ventilating air and mixed air average temperature
- Limit sensor (in case of measuring lowest point of outside air temperature)
- Measuring sensor (In case of displaying sensing point or using by connecting with control unit or converter)

Technical Data

- TEMPERATURE SENSING ELEMENT : Pt 100 Ω (x 4EA)
- TEMPERATURE SENSING RANGE : -30 ~ +70 $^{\circ}$ C
- ACCURACY : $\pm 0.3^{\circ}$ C (at 0 $^{\circ}$ C)
- SELF-GENERATING CURRENT : below MAX. 2mA
- SENSING TIME : 30sec at 2m/sec Velocity
- AMBIENT TEMPERATURE : -30 ~ +80 $^{\circ}$ C
- AMBIENT HUMIDITY : below 95% Rh
- WIRE : 3wires, 1.0mm²
- CABLE FITTING : PF 1/2"
- TEMPERATURE SENSING ELEMENT LENGHT :
Basic 2m(length can be optional for order made)
- PROTECTION CLASS : IP42(EN60529)
- WEIGHT : 0.25Kg

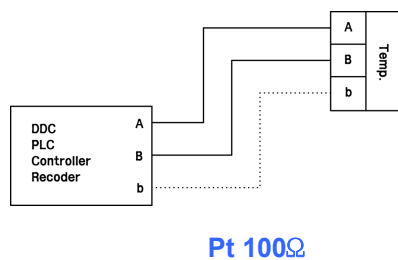
Mounting Guide

- In case of sensing inside temperature of Duct
 - In case of sensing the temperature by inserting into Duct, attach the body to higher position of side wall, and Sensor should be fixed with clamp or 2 - 3 screw-down terminal by zigzag method to avoid touching to Duct wall by putting inside of Duct through the hole.

Notes

- As this detector is lower magnet generating current of regular element, the standard Controller or Converter should be used to prevent from being errors or breakage in case of putting more than regular current.

Wiring Diagram



Dimension

