OUTSIDE TEMPERATURE SENSOR   (GOT-100)

Application

"GOT" Outside Air temperature sensor is intended for sensing outside air

temperature and it also can sense radiant heat and low temperature of atmosphere.

Technical Data

- SENSING ELEMENT   : Pt 100Ω
- SENSING RANGE   : -35 ~ +80℃
- ACCURACY   : ±0.3℃(at 0℃)
- SENSING TIME   : About 5min
- AMBIENT TEMPERATURE :
   1) On Operation: -35 ~ +80℃
   2) On Transportation: -25 ~ +70℃
   3) On Storage: -15 ~ +60℃
- AMBIENT HUMIDITY   : 5 ~ 100%Rh
- PROTECTION CLASS   : IP30
- CHARACTERISTICS   : Table of Reference Values
- WIRE   : 3 wires, 1.0㎟
- WEIGHT   : 0.06Kg
- HOUSING   : plastic case
- Wiring   : 3Wire

Notes

- Select a location approx. 1.5M above the floor for the sensor which is representative of the space to be controlled and where it will be readily affected by change in the general space temperature & humidity level
- The sensor location should also be reasonably clean and free from damp and condensation and must be installed at the coldest place as north wall generally and prevent from direct sun light.

  The element must not be touched and should be protected from dust, water, spray, condensation.

  - Prohibited place for installation : Window, Door. Air ventilation hole, Upper place of heat source, veranda or eaves of roof.
  - To protect any errors from warm air convection, cable wire should be shielded and sensor must not be painted.
  - The sensor element must not to be exposed to organic solvents, liquids or sylphid bearing materials.
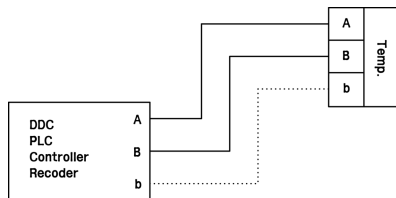
    Do not use a DC test meter as this will damage the sensor element.
  - Fix with the bolts provided in pull box (50×100, 100×100)
  - To avoid the conductive current the wires should be separated from power Line.
  - Use the shield Line when wiring.

Wiring Diagram

Pt100Ω

Dimension