

## ROOM TEMP. & HUMIDITY TRANSMITTER

(GRTHO-1420 Pt100)



### Application

---

"GRTHO" Room Temperature & Humidity Transmitter is intended control transmitter by sensing relative humidity and temperature of room ventilation and air-handling units.

Also can be used interface detect transmitter with sensing value display or auto control system of building.

### Equipment Combinations

---

- Pulp, Food warehouse, greenhouse, computer room, R&D room, Hospital etc.
- Use as measuring Transmitter : In case of Optimistic function system

### Technical Data

---

- SUPPLY VOLTAGE : DC 15~30V
- OUTPUT SIGNAL : Temp. / Pt100Ω, Humi./4-20mA
- SENSING RANGE : Temp. / -10~+70℃, Humi./ 0~100%RH
- SENSING ELEMENT : PT100Ω / Integrated Circuit
- TEMPERATURE CO-EFFICIENT : 0.00385 OHMS
- SELF GENERATING CURRENT : below 2mA (0.02 OHM / 0.05Deg.)
- ACCURACY : at 25℃ Within ±0.33℃ at 10~90%RH, Within ±3%RH
- WIRING : 5 Wire
- SENSING TIME : Approx. 20sec.
- AMBIENT TEMPERATURE :
  - 1) On Operation: -10~+70℃
  - 2) On Transportation & Storage: -25~+65℃
- AMBIENT HUMIDITY :
  - 1) On Operation : below 100%RH
  - 2) On Transportation & Storage : below 95%RH

- PROTECTION CLASS : IP30(EN 60529)
- WEIGHT : 0.10Kg

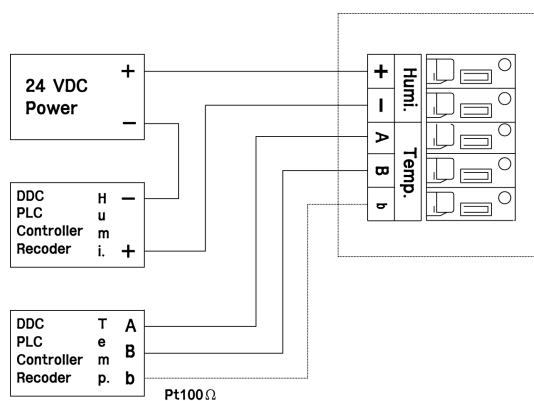
## Notes

- Engineering :
  - 1) In case of control: Preferably install on the wall of house or building, and keep away from direct light.

## Mounting & Installation

- Installation height: Preferably install in the middle of house, building or heating area, and to be installed at least 1.5 meter above from the floor.
- Prohibited Location: Window, door; Ventilating hole, upper place of heat source, and veranda or beneath the eaves of roof.
- To prevent any detecting error from convection of warm, air; cable wire tube of transmitter should be shielded and must not be painted.

## Wiring Diagram



## Dimension

