

# ROOM TEMPERATURE SENSOR (GST-N3K)



## Application

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"GST" Room Temperature Sensor is intended for heating, ventilating, air conditioning and other industrial installations for control and receiving reference signals from any space or room.

Compact design of the detector is idealistic for maintenance or replacement without any special tools.

## Technical Data

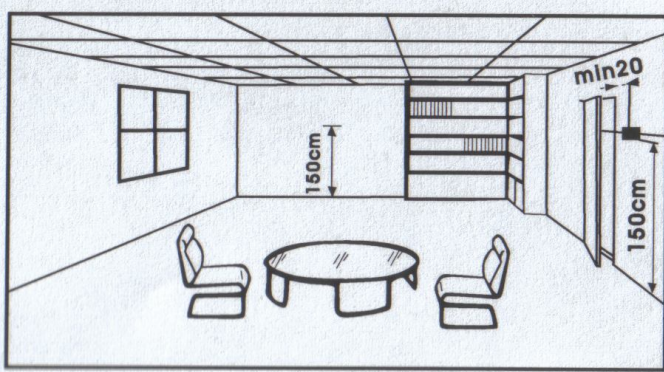
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- SENSING ELEMENT : NTC 3K $\Omega$ (3000 $\Omega$ )
- SENSING RANGE : -10 ~ +70 $^{\circ}$ C
- ACCURACY :  $\pm$ 0.2.5 $^{\circ}$ C at 25 $^{\circ}$ C, 3000 $\Omega$
- SENSING TIME : About 5min
- PROTECTION CLASS : IP30
- AMBIENT TEMPERATURE :
  - 1) On Operation: -10 ~ +70 $^{\circ}$ C
  - 2) On Transportation & Storage: -15 ~ +75 $^{\circ}$ C
- AMBIENT HUMIDITY :
  - 1) On Operation : below 95% Rh
  - 2) On Transportation & Storage : below 85% Rh
- CHARACTERISTICS : Table of Reference Values
- WIRE : 2 wires, 1.0mm<sup>2</sup>
- WEIGHT : 0.06Kg
- HOUSING : plastic case

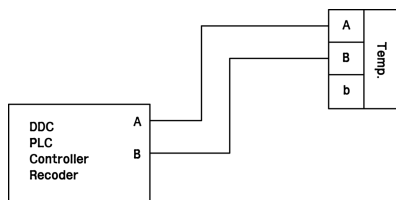
## Notes

- Installation positions:  
When the detector has to be installed on a wall in a room, the location of the detector must be kept between 1 to 1.5 meters from the floor level.  
For accurate control of the temperature follow recommendation as;  
- avoid window access, behind furniture, dead spaces, behind curtain
- Sensor should not be exposed to direct sun light and wire tube should be shielded to protect sensing errors from the wind coming through wire tube.

Sensors have to install more than 1.5m from the bottom.



## Wiring Diagram



NTC 3000 $\Omega$

## Dimension

