

GT-V & GTN-V TEMPERATURE SENSOR [WALL]



The wall-mounted room temperature sensor GT-V. GTN-V has an identical enclosure.

INTRODUCTION

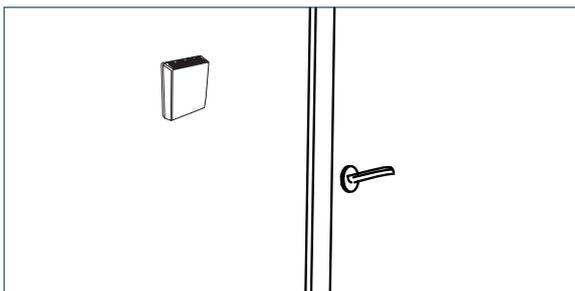
GT-V and GTN-V are temperature sensors designed for wall mounting in room environments. The sensors are housed in a "ventilated" enclosure, providing the shortest possible time constant for measuring temperature changes.

FUNCTION

The wall-mounted temperature sensor GT-V is connected as an accessory to a room climate regulator and provides an output signal of 0-10 V for the range of 12-43 °C. GTN-V is a simplified version of GT-V intended for use with the SBTb thermostat actuator controller.

PLACEMENT

The measured temperature from a sensor placed on a wall is an average of the wall's heat radiation and the air temperature surrounding the sensor. To get a quick response, it is important not to place the sensor on a thermal bridge and, preferably, not on concrete pillars with relatively high thermal inertia. Note that a location directly at a doorway means the sensor can be affected by corridor temperature and by airflows resulting from the temperature difference between the room and the corridor.



GT-V or GTN-V mounted on the wall.

TECHNICAL SPECIFICATIONS

Temperature Measurement GT-V

Sensor: NTC thermistor with electronics providing an output signal between 0-10V.

Measurement Range GT-V: 12-43 °C

Accuracy GT-V: ± 0.5 K

General

Dimensions: 103x82x30 mm

Material: Enclosure in PS

Weight

GT-V: 0.09 kg

GTN-V: 0.07 kg

Color: RAL9003

IP Rating: IP20

Electrical System

Power Consumption: <0.5 VA

CE Marking: Complies with EMC and Low Voltage

Directive. Output Signals GT-V: 1 x 0-10V for the range 12-43°C linear

GTN-V

GTN-V is a variant of GT-V where the electronics for a 0-10V active sensor signal are replaced with a circuit board for 2-wire connection of a passive NTC sensor. GTN-V is designed as an accessory for the SBTb thermostat actuator controller.

ADDITIONAL PRODUCT DOCUMENTATION

Documents can be accessed on the product page for GT-V & GTN-V at www.lindinvent.com

| Document | Comment |
|----------------------------|---|
| Installation Instructions | Wall mounting and connection of GT-V. See also the external wiring diagram. |
| Commissioning Instructions | See the commissioning instructions for the connected control unit. |
| Maintenance Instructions | Considered maintenance-free. |
| External Wiring Diagram | Shows connections and wiring to the circuit board. See the connection label inside the enclosure cover. |
| Environmental Declaration | Assessed by Byggarbeteckningen and Sundahus in Sweden. |
| AMA-text | Collection document givare (SE) |