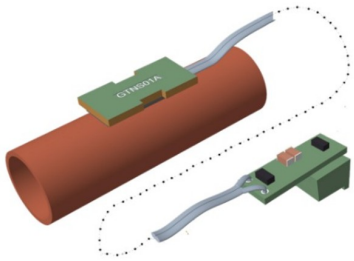
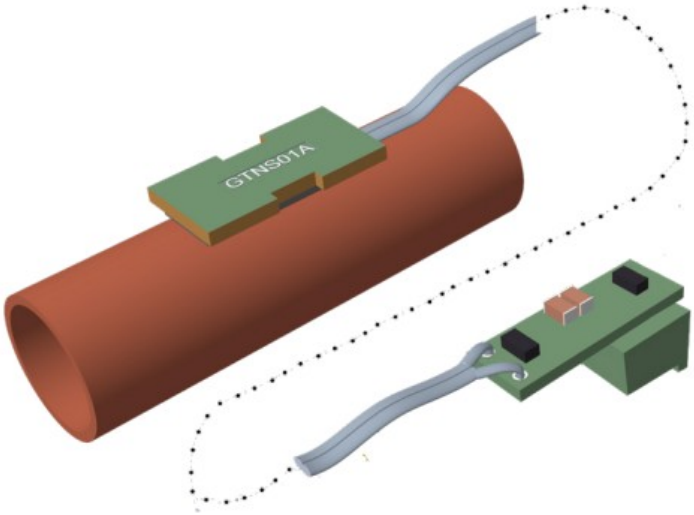


# LINDINVENT GT-PPB12en Pipe Temperature Sensor Owner's Manual



**G T- P PIPE TEMPERATURE SENSOR**
**Accessory for chilled beam control**
**PRODUCT DESCRIPTION**

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## INTRODUCTION

GT-P is Lindinvent's sensor unit for temperature measurement on a cooling beam pipe.
The GT-P pipe temperature sensor with its two interconnected modules. The pipe section is not included.

## APPLICATIONS AND FEATURES

The GT-P, in combination with Lindinvent's interface
LINDINSPECT, enables troubleshooting for:

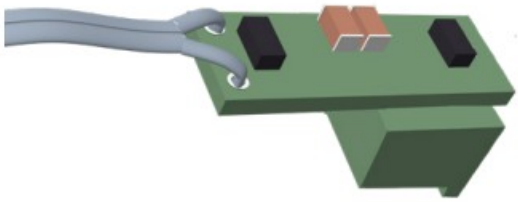
- Non-functioning actuators
- Unvented pipelines
- Clogged valves
- Incorrect pipe connections
- Transmission losses in the piping system
- Condensation protection

The sensor unit consists of a sensor module and a module for signal conversion to AIN. The modules are interconnected via an insulated 2-conductor cable.


*The sensor Module.*

*The pipe-mounted sensor module.*

The sensor module is a small circuit board with a temperature sensor. The module is attached to the pipe using a mounting strap.



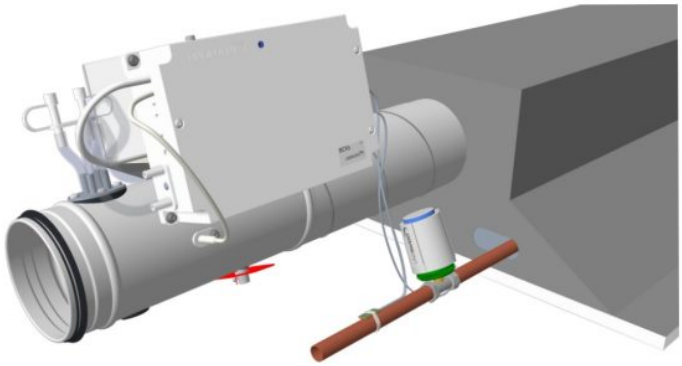
*The signal conversion module.*

The signal conversion module is mounted directly onto the regulator's AIN terminal.

## TECHNICAL SPECIFICATIONS

Temperature Measurement
Temperature Sensor:
Sensor module with an NTC thermistor.
Accuracy: ± 2 K
**General**
Dimensions
Sensor module: 20x10x5 mm
Signal conversion module: 25x18x8 mm (PCB +
Connector)
Cable length: 3 m

**Material**
Circuit board: FR4 (Coverter and sensor module)
Cable: Insulated 2-conductor, Halogen-free
**Electrical System**
Power Supply: 24 VAC (Via connected regulator)
Power Consumption: 0.1 VA
CE Marking: Complies with EMC and
Low Voltage Directive
Input and output signals
24V AC
GND
AIN (0-5V)



GT-P in place. The sensor module is connected to the incoming cooling pipe.
The signal conversion module and the valve actuator are both connected directly to the chilled beam controller.

## INSTALLATION AND CONNECTION

**Note:** The control unit must be powered off when connecting the GT-P!
For guidance on proper installation, see the instructions and illustrations in this product description.

1. Attach the sensor module to the pipe using a mounting strap.
2. Connect the signal conversion module to the controller's AIN block terminal according to the external wiring diagram.
3. Make an opening for the cable to the sensor module with pliers and cut along a selected marking for a thinner cable.
4. The lid to the controller housing is used for fixing cables.

## ADDITIONAL PRODUCT DOCUMENTATION

Documents can be accessed at **www.lindinvent.com**

| Document | Comment |
| --- | --- |
| Installation Instructions | See instructions in this product description for GT-P. |
| Commissioning Instructions | See commissioning instructions for BCXb/DCV-B. |
| Maintenance Instruction | Considered maintenance-free. |
| External Wiring Diagram | Shows conductor connections. |
| Environmental Declaration | For assessment at the Byggvarubedömningen in Sweden. |
| AMA-text | Search via AMA code UBB for temperature sensors. See current control unit and accessory section. |



## Documents / Resources

| | |
| --- | --- |
|  | LINDINVENT GT-PPB12en Pipe Temperature Sensor [pdf] Owner's Manual<br>GT-PPB12en Pipe Temperature Sensor, GT-PPB12en, Pipe Temperature Sensor, Temperature Sensor |

## References

- Ventilation on demand - smart solutions, low life cycle cost
- User Manual