PASSIVE TEMPERATURE SENSORS PTE-ROOM

Room temperature sensor for HVAC applications

5 YEAR WARRANTY

PTE-Room is a passive temperature sensor engineered for HVAC applications. PTE-Room is used to sense air temperature indoors. The temperature sensor is housed in a modern white plastic housing. PTE-Room is particularly easy to install. The cover can be opened without tools and the cable can be routed from behind or above/below the installation surface. PTE-Room can be installed on top of a standard electrical switch box.

PTE-Room is available with the following sensor types:

- NTC10k
- NTC20k
- Pt1000
- Ni1000
- Ni1000-LG

APPLICATIONS

PTE-Room is commonly used in HVAC systems for:

- measuring indoor air temperature in offices, hospitals, schools etc.

MODEL SUMMARY

Description	Model	Product code
Passive temperature sensor - room		
- with NTC10k sensor	PTE-Room-NTC10	502.011.101
- with NTC20k sensor	PTE-Room-NTC20	502.012.101
- with Pt1000 sensor	PTE-Room-Pt1000	502.013.101
- with Ni1000 sensor	PTE-Room-Ni1000	502.014.101
- with Ni1000-LG sensor	PTE-Room-Ni1000-LG	502.015.101

PASSIVE TEMPERATURE SENSORS
PTE-ROOM

SPECIFICATIONS

Performance
Accuracy:
NTC10k
± 0.25 °C @ 25 °C
NTC20k
± 0.25 °C @ 25 °C
Pt1000
± 0.3 °C @ 0 °C
Ni1000
± 0.4 °C @ 0 °C
Ni1000-LG
± 0.4 °C @ 0 °C
Protection class:
IP20

Technical Specifications
Environment:
Operating temperature:
-10 ... +50 °C

Physical
Housing material:
ABS
Housing dimensions:
80.0 x 75.0 x 27.5 mm
Weight:
50 g

Conformance
Meets the requirements for CE marking:
RoHS Directive 2011/65/EU
WEEE Directive 2012/19/EU

COMPANY WITH MANAGEMENT SYSTEM CERTIFIED BY DNV GL = ISO 9001 = ISO 14001 =

HOW TO GENERATE A MODEL?

Example:	**Product series**		
PTE-Room-NTC10	PTE	Passive temperature sensor for gas	
		Installation type	
		-Cable	Cable
		-Duct	Duct
		-Room	Room
		-O	Outside
		-OI	Outside with Illuminance
			Sensor element
			-NTC10 10 kΩ @ 25 °C
			-NTC20 20 kΩ @ 25 °C
			-Pt1000 1000 Ω @ 0 °C
			-Ni1000 1000 Ω @ 0 °C
			-Ni1000-LG 1000 Ω @ 0 °C
Model	PTE	-Room	-NTC10