

Temperature Sensors

Temperature Sensors TST01, PT100

Temperature sensors are designed for continuous temperature measurement and transmission of values. Temperature sensors are used with electronic temperature controllers for electric heating cable systems in industrial and commercial applications.

Features

- Temperature control of the heated surface
- Ambient temperature control

Application Areas

- Snow and ice prevention on roof and gutters and open areas (non-Ex)

Construction



TST01



PT100

Technical Data

Type of sensor	TST01	PT100
Temperature measurement range	-55 ... +60 °C	-50 ... +260 °C
Sensing element type	Digital	Analog
Number of cores in connection cable	3	2
Length of the installation wire	5 m	2.5 m
Maximum sensor distance from the controller	100 m	100 m

Approvals



Types

Name	Order code
Temperature sensor TST01	2121001000
Temperature sensor Pt100 2.5	2121001100

Temperature Sensors TST04

Temperature sensor TST04 is designed to measure temperature and transmit a control signal to the controller. TST04 is programmed at the factory for a specified maintenance temperature. Hence, reprogramming the temperature is not possible. It can be used to measure the temperature of hard surfaces and air.

Features

- Control of the heated surface temperature
- Control of the ambient temperature

Application

- Freeze protection of pipelines and vessels (non-Ex)

Construction



Technical Data

Switching temperature values (on / off)	+2 ... +5 °C
Operating temperature range	-55 ... +60 °C
Sensing element type	digital
Number of cores in connection cable	3
Length of the installation wire	5 m
Maximum sensor distance from the controller	100 m

Approvals



Types

Name	Order code
Temperature sensor TST04	2121001000