

# Temperature Sensors & Power Supply Unit

## 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

### 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
Compatible with thermostat type	PTM-2000	eTRON-T

### Approvals



### Types

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

## Power Supply Unit BPDO

Power supply unit is designed to supply power to the integrated heating element in the precipitation sensors TSP02 and TSP03.

### Features

- Power supply of the heating element inside the precipitation sensor

### Application Areas

- Snow and ice prevention on open areas

### Construction



BPDO

### Technical Data

Type of device	BPDO
Input voltage	230 VAC, 50 Hz
Output voltage	36 VAC, 50 Hz
Rated output power	5 W
Operating temperature range	+5 ... +40 °C
Degree of protection	IP20
Dimensions (WxHxD)	89×70×65
Mounting type	DIN-rail, 6 modules

### Types

Name	Order code
Power supply unit BPDO	2122001000