



T-NTC

Temperature Sensor

Technical specifications and installation instructions

Item number 30516



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1. Description

The **Temperature Sensor T-NTC** is connected for example to the KNX display Corlo Touch KNX (WL) or to the analogue/digital outputs of the evaluation unit KNX T6-UN-B4. The sensor measures temperature in indoor or outdoor areas.

1.1. Technical data

Sensor sleeve	metal	
Colour of cable	black	
Protection category	IP 43	
Dimensions	Length of sensor sleeve approx. 32 mm, diameter approx. 6 mm, cable length approx. 300 cm	
Measurement range	-35...+100°C	
Accuracy at +25°C housing temperature of evaluation electronics	Sensor temperature	Max. difference of measured value
	±0°C	± 1.0°C
	-35...+25°C	± 1.5°C
	-35...+80°C	± 2.5°C

The product conforms with the provisions of EU directives.

2. Installation and commissioning

2.1. Installation notes



Installation, testing, operational start-up and troubleshooting should only be performed by an electrician.

The device is only to be used for its intended purpose. Any improper modification or failure to follow the operating instructions voids any and all warranty and guarantee claims.

After unpacking the device, check it immediately for possible mechanical damage. If it has been damaged in transport, inform the supplier immediately.

The device may only be used as a fixed-site installation; that means only when assembled and after conclusion of all installation and operational start-up tasks and only in the surroundings designated for it.

Elsner Elektronik is not liable for any changes in norms and standards which may occur after publication of these operating instructions.

2.2. Installation position

When selecting an installation location for the measuring sensor, please ensure that the measurement results are affected as little as possible by external influences. Possible sources of interference include:

- Direct sunlight
- Drafts from windows and doors
- Warming or cooling of the building structure on which the sensor is mounted, e.g. due to sunlight, heating or cold water pipes
- Connection lines which lead from warmer or colder areas to the sensor

Temperature variations from such sources of interference must be corrected in the ETS in order to ensure the specified accuracy of the sensor (temperature offset).

2.2.1. Connection of the sensor

Connect the cable of the measuring sensor to the evaluation electronics (connection is reverse polarity protected). The cable connection may be extended up to 10 m maximum.