

Outdoor temperature sensor
NDT



■ **Application**

The outdoor temperature sensor is designed for outdoor temperature measurement in ventilation and air conditioning systems.

■ **Design**

The sensing element, NTC thermometer resistor, is enclosed in the plastic housing. The plastic housing incorporates also a copper probe for higher sensing efficiency. The thermometer resistor electric resistor depends

on the temperature, the non-linear resistance. Connection of the sensor to the controller is double-wired, regardless of polarity.

The sensor is connected to power mains through the terminal blocks of the circuit board located in the casing.

■ **Mounting**

Outdoor mounting.

Technical data

	NDT
Temperature measuring range [°C]	-30...+60
Voltage [V]	≤ 5 DC *
Output	resistance
Electric connection	cross section 2x0.25 mm ²
Relative humidity	up to 90 %, no condensation
Protection rating	IP54
Electrical appliance class	III

*Maximum current generated through the sensor by the applied voltage is 2 mA.

Overall dimensions [mm]

