# TEMPERATURE SENSORS

# 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

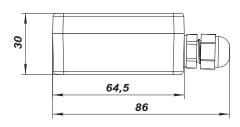
Outdoor mounting.

#### **Technical data**

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

<sup>\*</sup>Maximum current generated through the sensor by the applied voltage is 2 mA.

## Overall dimensions [mm]



#### Lid is not shown

