

# Pt100 resistance- thermometer for air-conditioning systems

Sensor-type Pt100

Compact

Rugged

Mode of protection to IP 54 / 55

## PROFILE

Resistance thermometers are widely used in automatic aircon systems to measure the temperature in rooms, ventilating ducts, etc. They are also suitable for measuring outdoor temperatures, or on cooling and deep-freeze storage rooms.

Good thermal exchange with the surrounding air ensures fast, reliable measurement of ambient temperatures..

The outdoor sensor is prepared to take a two-wire head transmitter ensuring the ideal connection to the measuring and control circuitry without endangering the measurement

The units are fitted with Pt 100 sensing elements to DIN EN 60 751 class B as standard. Types with limited tolerances (class A or better) are also available.

## OUTDOOR - THERMOMETER

### TECHNICAL DATA

**Number of sensing elements:** 1 or 2

**Type:** Pt100/0 to DIN EN 60751

**Internal configuration**  
2-wire

### AMBIENT TEMPERATURE

-50...+120 °C

### GENERAL

#### Materials

Housing: die-cast aluminium  
Surface: Epoxy resin lacquer  
Protection tube: SS 316 Ti (1.4571)

#### Electrical connection

Screw terminals via cable gland

**Mode of protection:** IP55 to DIN 40 050

**Weight:** approx. 0,25 kg

#### Specials

The housing provides sufficient space to house a 2-wire head transmitter (e.g. RT-Flex).

## ORDERING STRUCTURE

Description	Order -no
Outdoor thermometer Single element, class B	<b>9404-124-41001</b>
Duplex element class B	<b>9404-124-51001</b>

## ROOM THERMOMETER

### TECHNISCHE DATEN

**Number of sensing elements:** 1 or 2

**Type:** Pt100/0 to DIN EN 60751

**Internal configuration**  
2-wire

### AMBIENT TEMPERATURE

-30...+70 °C

### GENERAL

#### Materials

Housing: Plastic  
Protection tube: SS 316 Ti (1.4571)

#### Electrical connection

Screw terminals via cable gland

**Mode of protection:** IP54 to DIN 40 050

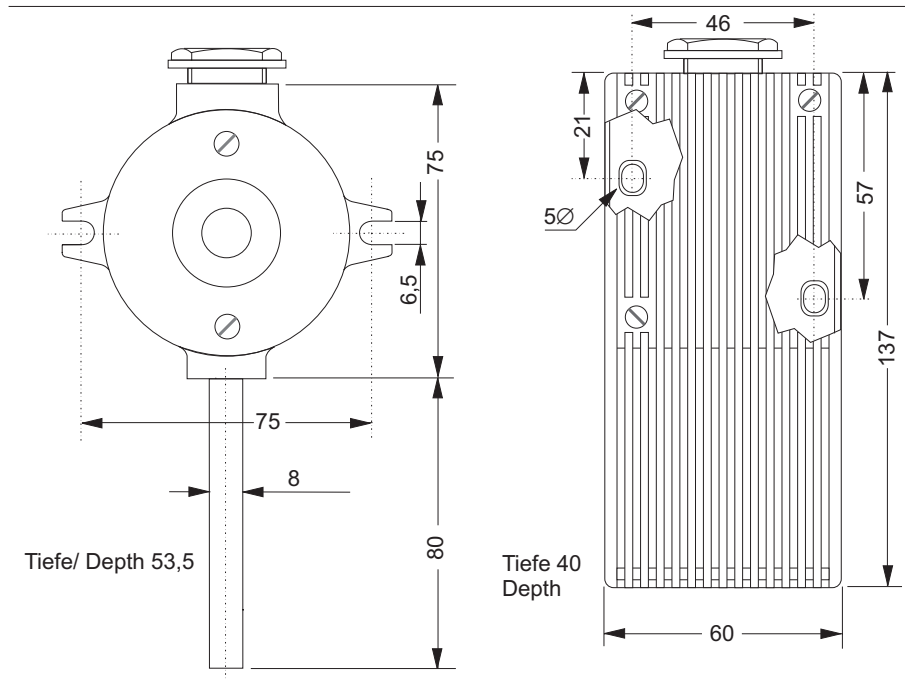
**Weight:** approx. 0,15 kg

## ORDERING STRUCTURE

Description	Order -no
Room thermometer Single element, class B	<b>9404-124-21001</b>
Duplex element class B	<b>9404-124-31001</b>

Dimensions: see overleaf

Fig 1 Dimensions



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