

## OUTDOOR TEMPERATURE SENSOR TEU PT 100

TEU PT 100 temperature sensor is made for automatic HVAC systems to detect outdoor temperature.

Temperature is detected by a Pt100 element.

Housing is made of weather-proof plastic.

The screw cover and the terminal blocks tilted to 45° make an easy installation.

Sensor is mounted on the wall by means of screws through the lugs on the bottom.



### Technical data:

|                  |                                    |
|------------------|------------------------------------|
| Sensor           | Pt100 EN 60751/B                   |
| Housing          | weather-proof plastic              |
| Protection class | IP 54, cable entry down            |
| Cable entry      | M16                                |
| Range            | -50...50 °C                        |
| Accuracy         | ± 0,3 °C (at 0 °C)                 |
| Mounting         | Ø 4,5mm screws hole distance 82 mm |

### Temperature / resistance -table:

| °C  | Pt 100 / Ω | °C  | Pt 100 / Ω |
|-----|------------|-----|------------|
| 120 | 146.06     | 25  | 109.73     |
| 100 | 138.50     | 20  | 107.79     |
| 90  | 134.70     | 15  | 105.85     |
| 80  | 130.89     | 10  | 103.90     |
| 75  | 128.98     | 5   | 101.95     |
| 70  | 127.07     | 0   | 100.0      |
| 65  | 125.16     | -5  | 98.04      |
| 60  | 123.24     | -10 | 96.09      |
| 55  | 121.32     | -15 | 94.12      |
| 50  | 119.40     | -20 | 92.16      |
| 45  | 117.47     | -25 | 90.19      |
| 40  | 115.54     | -30 | 88.22      |
| 35  | 113.61     | -40 | 84.27      |
| 30  | 111.67     | -50 | 80.31      |

### Ordering guide:

| Model      | Product number | Description                      |
|------------|----------------|----------------------------------|
| TEU PT 100 | 1173090        | outdoor sensor<br>100 ohm / 25°C |

Products fulfil the requirements of directive 2004/108/EY and are in accordance with the standards EN61000-6-3: 2001 (Emission) and EN61000-6-2: 2001 (Immunity).

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