

DUCT TEMPERATURE SENSOR TEHU KP 10

TEHU KP 10 sensor is made for automatic HVAC systems to detect room temperatures.

Temperature is detected by a KP sensor element with a nominal voltage of 2.73 V at 0 °C.

Housing of white plastic (ABS) is made for mounting on a standard 60mm junction box. Sensor matches well with other electrical flush mounting products. It can be installed together with products of "Artic"-series.

Sensor voltage at different temperatures:

| °C | V | °C | V |
|-----|------|-----|------|
| 120 | 3.93 | 25 | 2.98 |
| 100 | 3.73 | 20 | 2.93 |
| 90 | 3.63 | 15 | 2.88 |
| 80 | 3.53 | 10 | 2.83 |
| 75 | 3.48 | 5 | 2.78 |
| 70 | 3.43 | 0 | 2.73 |
| 65 | 3.38 | -5 | 2.68 |
| 60 | 3.33 | -10 | 2.63 |
| 55 | 3.28 | -15 | 2.58 |
| 50 | 3.23 | -20 | 2.53 |
| 45 | 3.18 | -25 | 2.48 |
| 40 | 3.13 | -30 | 2.43 |
| 35 | 3.08 | -40 | 2.33 |
| 30 | 3.03 | -50 | 2.23 |



Technical data:

| | |
|-----------------------|----------------------------------|
| sensor | LM335Z, 2.73 V at 0 °C / 10 mV/K |
| housing | IP20, ABS |
| range | 0...+50 °C |
| accuracy | ±0.5 °C (at 25 °C) |
| Dimension (w x h x d) | 86 x 85 x 30 mm |

Ordering guide:

| Model | Product number | Description |
|------------|----------------|--------------------------------------|
| TEHU KP 10 | 117J150 | temperature sensor 2.73 V at 0 °C |

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