

KTC110

Cable Temperature Sensor

KeramControls®

Description

KTC110 series sensor is a low-cost temperature sensor designed for temperature measurement in the field of HVAC, which is suitable for the process control of commercial building automatic control systems. The KTC110 series uses passive resistance signal output, with a variety of temperature-sensitive components, such as NTC10K, Pt100, Pt1000, etc., used for passive temperature output. The IP65 cable interface can effectively guarantee the waterproof performance of the sensor.

Features

- High protection level
- Various temperature-sensitive components and cable lengths can be selected
- Various attachments can be selected

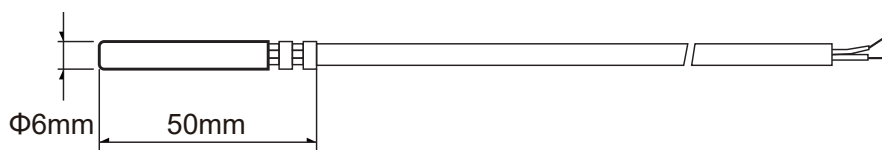
Applications

Building automation
HVAC environmental control

Technical Data

| Model | KTC110 | |
|-----------------------|---------------------------------|--------------------------|
| Temperature sensor | Element | Standard resistance |
| | NTC10K B3435 | $R_{25}:10K\Omega\pm1\%$ |
| | Pt100 | $R_0:100\Omega$ |
| | Pt1000 | $R_0:1000\Omega$ |
| Element connection | 2 wire or 3 wire | |
| Cable material | PVC | |
| Sensor probe material | 316 stainless steel | |
| Protection class | IP65/NEMA4 | |
| operating temperature | $-30 \sim +100^{\circ}\text{C}$ | |
| Storage temperature | $-30 \sim +70^{\circ}\text{C}$ | |

Dimensions(mm)



Ordering Guide

| KTC110 | — | Element | — | Cable material | — | Cable length |
|--------|---|--------------|-----|----------------|-----|--------------|
| Model | | Element | | Cable material | | Cable length |
| KTC110 | | NTC10K B3435 | (G) | PVC | (J) | 1m (A) |
| | | Pt100 | (H) | | | 2m (B) |
| | | Pt1000 | (I) | | | 3m (C) |
| | | | | | | 4m (D) |
| | | | | | | 5m (E) |
| | | | | | | 10m (F) |

Order Examples

KTC110-H-J-A

| | |
|----------------|---------------------------|
| Model | KTC110 Temperature sensor |
| Element | Pt100 |
| Cable material | PVC |
| Cable length | 1m |