

### Description

KTT100 series wall mounted transmitter is a low-cost temperature transmitter specially designed for temperature measurement in HVAC field. It is suitable for building equipment automatic control system (BA system) of commercial buildings and other conventional buildings. IP65 protection grade is convenient for outdoor measurement at the same time.

The output model of the transmitter is standard 4-20mA, 0-10V, and RS 485 output mode can also be selected.



### Features

- Range from -40 to +200°C
- 4-20mA, 0-10V, 0-5V, RS-485 output
- Standard accuracy  $\pm 0.3^{\circ}\text{C}$
- Protection class: IP65 / NEMA 4

### Applications

KTT100 temperature transmitter used for temperature measurement in heating, ventilation and air conditioning systems enabling weather-dependent temperature regulation.

### Technical Data

Model	KTT100
Accuracy	$\pm 0.3^{\circ}\text{C}$ @20°C
Response time	<1min
Repeatability	$\pm 0.01\%$ at FS/year
Media	Air or liquid
Operating temp	-40 ... +70°C
Storage temp	-30 ... +70°C
Measuring range	-40 ... +200°C
Power consumption	<1.5 W
Power supply	24VAC/DC $\pm 10\%$
Output	4-20mA (2 wire)
	4-20mA (3 wire)
	0-5 / 0-10VDC (3 wire)
	RS-485
Housing material	PC & ABS,UL94-V0
Protection	IP65/NEMA4
Cable gland	M16*1.5

### Notes On Disposal



Most Keram Controls products may contain valuable materials that should be recycled rather than treated as domestic waste. Please pay attention to the relevant regulations of local disposal.

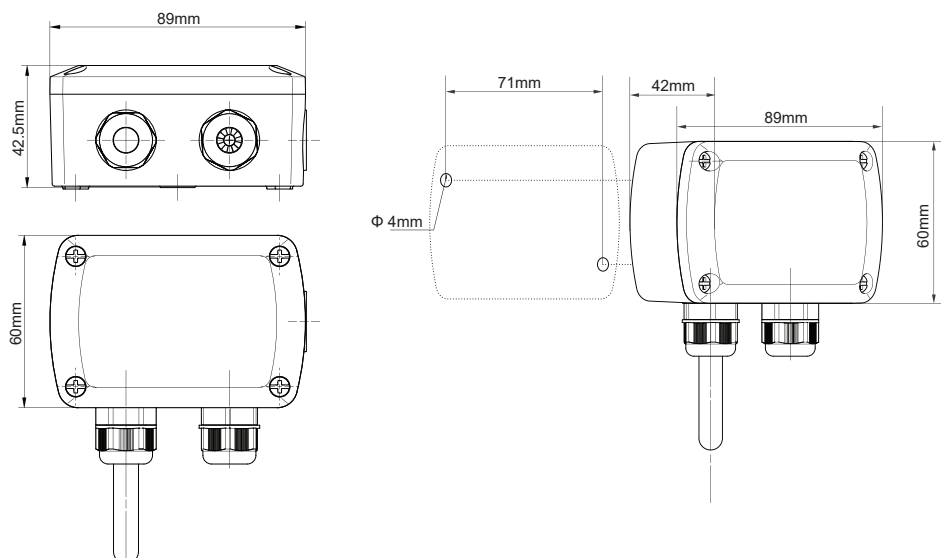
### Product Certification



Declaration of conformity

The declaration of conformity of the products can be found on our website [https://: www.keramcontrols.com](https://www.keramcontrols.com)

## Dimensions (mm)



## Measuring Range Adjustment

<b>ON</b> 1 2 3	<b>ON</b> 1 2 3	<b>ON</b> 1 2 3	<b>ON</b> 1 2 3	<b>ON</b> 1 2 3
-40 ... +70°C	0 ... +50°C	0 ... +100°C	-30 ... +200°C	-40 ... +140°C

## Output Setting (3-wire Model)

<b>ON</b> 4 5	<b>ON</b> 4 5	<b>ON</b> 4 5
<b>0-5V</b>	<b>0-10V</b>	<b>4-20mA</b>



To configure the transmitter, it must not be energized. Then, you can make the settings required, with the DIP switches. When the transmitter is configured, you can power it up.

## Ordering Guide

KTT100	Output	
Model	Output	
KTT100	4-20mA (2 wire)	(E)
	4-20mA (3 wire)	(F)
	0-5 / 0-10VDC (3 wire)	(G)
	RS-485	(H)

## Order Examples

### KTT100-E

<b>Model</b>	KTT100 temperature transmitter
<b>Output</b>	4-20mA (2 wire)