

KTT100

Temperature Transmitter

KeramControls®

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 +100°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
Operating temp	-40 ... +70°C
Storage temp	-40 ... +80°C
Measuring range	-40 ... +100°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)



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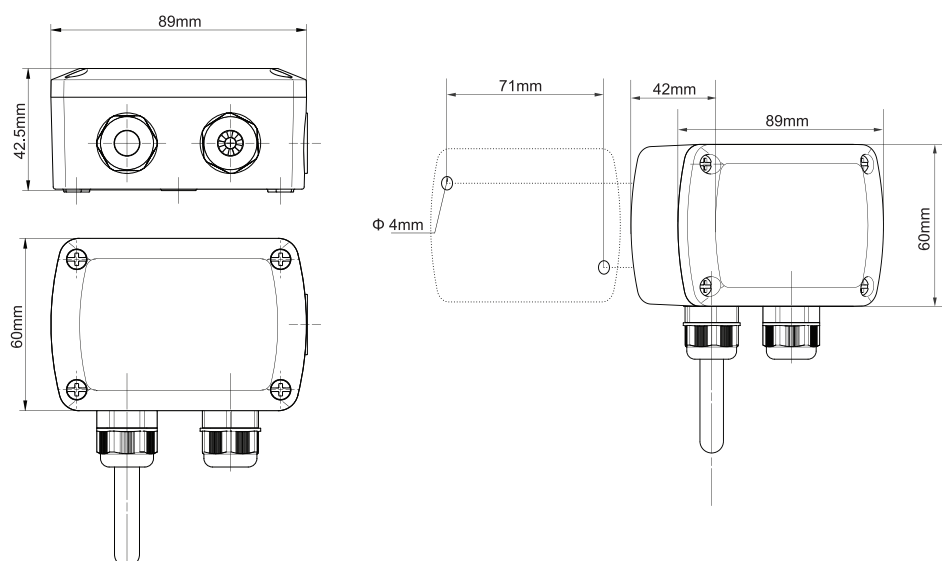


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Direktronik AB | Box 234, 149 23 Nynäshamn | Besöksadress Konsul Johnsons väg 15 149 45 Nynäshamn

Telefon 08 52 400 700 | Fax | Epost info@direktronik.se | Org.nr 556281-9663 | Bankgiro 922-0179

Dimensions (mm)



Measuring Range Adjustment

ON	ON	ON	ON
1 2 3	1 2 3	1 2 3	1 2 3
-40 ... +70°C	0 ... +50°C	0 ... +100°C	-40 ... +100°C

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

Model	KTT100 temperature transmitter
Output	4-20mA (2 wire)