

TK4N-T4CR Cut Sheet



Autonics standard temperature controller, 48 x 24mm, current, voltage, RTD or thermocouple input, current, pulse orrelay output, (1) 3A Form A (SPST) relay, 100–240 VAC, RS-485.

For complete product information, please see this item on our store at the following link:



<https://www.automationdirect.com/pn/TK4N-T4CR>

Technical Specifications

Brand	Autonics	Input RTD Signal Types	Pt100, Pt50, JPt100, Cu100, Cu50 and Ni120
Item	Standard temperature controller	Output	Current, pulse orrelay
Mounting	Panel	Output Current Signal Range	0–20 mA and 4–20 mA
Mounting Hole Size	1/32 DIN	Output Pulse Signal Range	11 VDC
Size	48 x 24mm	Relay Configuration	(1) 3A Form A (SPST) relay
Display	2-line red/green LED display	Operating Voltage	100–240 VAC
Cycle Time	50ms	Control Mode	PID, ON/OFF, PID and ON/OFF or manual
Input	Current, voltage, RTD or thermocouple	Control Function	Single loop, heat only, cool only, heat/cool
Input Current Signal Range	0–20 mA and 4–20 mA	Communication Port and Connection Type(s)	(1) RS-485 (2-pin terminal)
Input Voltage Signal Range	0–5 VDC, 1–5 VDC, 0–10 VDC and 0–100 mVDC	Port Protocol(s)	Modbus RTU Slave
Input Thermocouple Signal Type	J, K, T, N, E, R, S, B, L, U, C, G, PL2	Port Speed(s)	up to 38.4k baud

Agency Approvals

UL Listed File #	None
UL Recognized File #	E312024
UL Hazardous File #	None
CE	View CE declarations
CSA File #	None
RoHS Status	Yes (See CE Doc)
EU REACH	View EU REACH document

Dimensional Drawings



2D Drawing PDF Link:
<https://cdn.automationdirect.com/static/drawings/2d/TK4N-T4CR.pdf>
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