

TK4S-B4SR Cut Sheet



Autonics standard temperature controller, 48 x 48mm, current, voltage, RTD, thermocouple, discrete or current transformer input, solid state relay drive or relay output, (3) 3A Form A (SPST) relays, 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/TK4S-B4SR>

Technical Specifications

Brand	Autonics	Input RTD Signal Types	Pt100, Pt50, JPt100, Cu100, Cu50 and Ni120
Item	Standard temperature controller	Output	Solid state relay drive or relay
Mounting	Panel	Output Pulse Signal Range	11 VDC
Mounting Hole Size	1/16 DIN	Relay Configuration	(3) 3A Form A (SPST) relays
Size	48 x 48mm	Number of Alarm Contacts	2
Display	2-line red/green LED display	Alarm Type	(9) selectable
Cycle Time	50ms	Operating Voltage	100–240 VAC
Input	Current, voltage, RTD, thermocouple, discrete or current transformer	Control Mode	PID, ON/OFF, PID and ON/OFF or manual; solid state relay drive ON/OFF, cycle or phase
Input Current Signal Range	0–20 mA and 4–20 mA	Control Function	Single loop, heat only, cool only, heat/cool
Input Voltage Signal Range	0–5 VDC, 1–5 VDC, 0–10 VDC and 0–100 mVDC	Communication Port and Connection Type(s)	(1) RS-485 (2-pin terminal)
Discrete Input Type	(1) dry contact or NPN	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/TK4S-B4SR.pdf>
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