

TK4W-B4CR Cut Sheet



Autonics standard temperature controller, 96 x 48mm, current, voltage, RTD, thermocouple, discrete or current transformer input, current, pulse 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/TK4W-B4CR>

Technical Specifications

Brand	Autonics
Item	Standard temperature controller
Mounting	Panel
Mounting Hole Size	1/8 DIN
Size	96 x 48mm
Display	2-line red/green LED display
Cycle Time	50ms
Input	Current, voltage, RTD, thermocouple, discrete or current transformer
Input Current Signal Range	0–20 mA and 4–20 mA
Input Voltage Signal Range	0–5 VDC, 1–5 VDC, 0–10 VDC and 0–100 mVDC
Discrete Input Type	(2) dry contact or NPN
Input Thermocouple Signal Type	J, K, T, N, E, R, S, B, L, U, C, G, PL2
Input RTD Signal Types	Pt100, Pt50, JPt100, Cu100, Cu50 and Ni120

Output	Current, pulse or relay
Output Current Signal Range	0–20 mA and 4–20 mA
Output Pulse Signal Range	11 VDC
Relay Configuration	(3) 3A Form A (SPST) relays
Number of Alarm Contacts	2
Alarm Type	(9) selectable
Operating Voltage	100–240 VAC
Control Mode	PID, ON/OFF, PID and ON/OFF or manual
Control Function	Single loop, heat only, cool only, heat/cool
Communication Port and Connection Type(s)	(1) RS-485 (2-pin terminal)
Port Protocol(s)	Modbus RTU Slave
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/TK4W-B4CR.pdf>
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