

# TK4S-B4CR Cut Sheet



Autonics standard temperature controller, 48 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/TK4S-B4CR>

## Technical Specifications

|                                |                                                                      |
|--------------------------------|----------------------------------------------------------------------|
| Brand                          | Autonics                                                             |
| Item                           | Standard temperature controller                                      |
| Mounting                       | Panel                                                                |
| Mounting Hole Size             | 1/16 DIN                                                             |
| Size                           | 48 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            | (1) 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                   | <a href="#">View CE declarations</a>   |
| CSA File #           | None                                   |
| RoHS Status          | Yes (See CE Doc)                       |
| EU REACH             | <a href="#">View EU REACH document</a> |

## Dimensional Drawings



2D Drawing PDF Link:  
<https://cdn.automationdirect.com/static/drawings/2d/TK4S-B4CR.pdf>  
See store item page for other formats.