

# TK4H-24SC Cut Sheet



Autonics standard temperature controller, 48 x 96mm, current, voltage, RTD, thermocouple, discrete or current transformer input, solid state relay drive, current, pulse or relay output, (2) 3A Form A (SPST) relays, 100–240 VAC.

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



<https://www.automationdirect.com/pn/TK4H-24SC>

## Technical Specifications

|                                |                                                                      |
|--------------------------------|----------------------------------------------------------------------|
| Brand                          | Autonics                                                             |
| Item                           | Standard temperature controller                                      |
| Mounting                       | Panel                                                                |
| Mounting Hole Size             | 1/8 DIN                                                              |
| Size                           | 48 x 96mm                                                            |
| 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                      | Solid state relay drive, current, pulse or relay                                      |
| Output Current Signal Range | 0–20 mA and 4–20 mA                                                                   |
| Output Pulse Signal Range   | 11 VDC                                                                                |
| Relay Configuration         | (2) 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; solid state relay drive ON/OFF, cycle or phase |
| Control Function            | Single loop, heat only, cool only, heat/cool                                          |

## 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/TK4H-24SC.pdf>  
See store item page for other formats.