Temperature Controllers

Model TEC-9400 1/16 DIN

Model TEC-9400 1/16 DIN Temperature Controller

Design Features

- 1/16 DIN size – 48 mm × 48 mm
- Fuzzy Logic PID Autotune heat and cool control
- Universal input, field configurable (Type J/T/C default, PT100, mA, V) with high accuracy 18-bit D-A
- Countdown display
- RS-485 and Analog Retransmission Available
- Micro USB Programming Port
- Fast sampling rate (200 msec)
- Manual control & auto-tune function
- Wide range of alarm mode selection
- Lockout protection
- Bumpless transfer during failure mode
- Soft-start ramp & dwell timer
- Bright LCD display using NFPA/IEC standard colors
- High performance with low cost

Agency Approvals:

RoHS, REACH, WEEE

Hardware Code: TEC-9400 -

1  2  3  4  5  6  7  8

A Part Number based on the hardware code and any software pre-programming will be issued at time of order.

Standard lead time is stock to 2 weeks.

Power Input BOX 1

4 = 90-250 VAC
5 = 11-40 VDC / 20-28 VAC

Alarm 2 BOX 4

0 = None
1 = Relay: 2A / 240 VAC

Option 3 BOX 7

0 = None
1 = Retransmit: 4-20 mA / 0-20 mA
2 = Retransmit: 0-10 VDC
3 = Relay: 2A / 240 VAC

Option 1 BOX 5

0 = None
1 = RS-485 Interface

Option 2 BOX 6

0 = None
1 = 2 Event Inputs
2 = 1 Event Input and 1 CT Input
3 = 2 CT Inputs

Option 4 BOX 8

0 = None
1 = Terminal Cover

Output 1 BOX 2

1 = Relay: 2A / 240 VAC
2 = Pulse DC for SSR drive: 5 VDC (30 mA max)
3 = Isolated, 4-20 mA (default), 0-20 mA
5 = Isolated VDC, 0-10 scalable
C = Pulse DC for SSR drive: 14 VDC (40 mA max)

Output 2 / Alarm 1 BOX 3

0 = None
1 = Relay: 2A / 240 VAC
2 = Pulse DC for SSR drive: 5 VDC (30 mA max)
3 = Isolated, 4-20 mA (default), 0-20 mA
5 = Isolated, VDC, 0-10 scalable
C = Pulse DC for SSR drive: 14 VDC (40 mA max)

Transformer for Heater Break Alarm

(0-50 Amp current)
Part Number: TEC99998
Specifications on page 13-47

Note: Detailed information on features common to digital microprocessor-based TEC temperature controls and the complete Table of Input Range and Accuracy can be found on page 13-46.