

Temperature Controllers



Model TEC-2400 1/32 DIN

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Design Features

- * 1/32 DIN size – 24 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

File #: E244198

Hardware Code: TEC-2400 - 1 2 3 4 5

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

Power Input BOX 1

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

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 (40mA 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 (40mA max)

Option 1 BOX 4

- 0 = None
- 1 = RS-485 Interface
- 2 = 1 Event Input
- 3 = 1 CT Input

Option 2 BOX 5

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



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.

Transformer for Heater Break Alarm

(0-50 Amp current)

Part Number: TEC99998

Specifications on page 13-47