Temperature Controllers

Model TEC-7400 3/16 DIN



Model TEC-7400 3/16 DIN Temperature Controller



Design Features

- * 3/16 DIN size 72 mm × 72 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)

Agency Approvals:



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RoHS, REACH, WEEE

* Bright LCD display using NFPA/IEC

* Manual control & auto-tune

* Wide range of alarm mode selection

* Bumpless transfer during failure

* Soft-start ramp & dwell timer

* High performance with low cost

function

mode

* Lockout protection

standard colors

C (VL) US
LISTED
File #:

E244198

Hardware Code: TEC-7400 - 1 2 3 4 5 6 7 8 9

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 (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)

Alarm 2 and 3 BOX 4

- 0 = None
- **1** = Alarm 2: Relay: 2A / 240 VAC
- **2** = Alarm 2 and 3: Relays: 2A / 240 VAC

Event Inputs BOX 5

- 0 = None
- 1 = 6 Event Inputs

Option 1 Box 6

- 0 = Non
- 1 = RS-485 Interface & Remote Setpoint

Option 2 BOX 7

- 0 = Non
- **1** = 1 CT Input and Remote Setpoint
- **2** = 2 CT Inputs and Remote Setpoint

Option 3 BOX 8

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

Option 4 BOX 9

- 0 = None
- 1 = Terminal Covers
- **2** = Ramp and Soak Firmware
- **3** = Terminal Covers and Ramp and Soak Firmware



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

Stock and Common Part Numbers

(All Stock Part Numbers Include Terminal Covers) (Default Type "J" Thermocouple Input)

Part Number	Output 1	Out 2/ Alm 1	Option 1
TEC45001	Relay	None	None
TEC45002	Relay	Relay	None
TEC45003	Relay	Relay	(2) Relays
TEC45004	Pulse DC	None	None
TEC45005	Pulse DC	Relay	None
TEC45006	Pulse DC	Relay	(2) Relays
TEC45007	4-20mA	None	None
TEC45008	4-20mA	Relav	(2) Relays /

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