

### Model TEC-6400 DIN Rail Mount Temperature Controller



#### Design Features

- \* DIN Rail Mount, 35 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-6400 - 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 EI 1
- 3 = 1 CT Input (CT 1)

#### Option 2 BOX 5

- 0 = None
- 1 = Retransmit: 4-20mA / 0-20mA
- 2 = Retransmit: 0-10 VDC
- 3 = Alarm 2 Relay: 2A / 240 VAC
- 4 = 1 Event Input EI 2
- 5 = 1 CT Input (CT 2)



**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