

Temperature Controllers



Models TEC-402 & TEC-401 1/4 DIN

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With Process Temperature Deviation Meter!

Agency Approval:



TEC-401 has been discontinued. Refer to TEC-402 for replacement controllers or contact Tempco.

Design Features

- * 1/4 DIN size – 96 mm × 96 mm
- * Model TEC-402 temperature control with deviation meter
- * Model TEC-401 non-indicating temperature control
- * Laser trimmed ASIC components
- * Short panel depth – only 2.0" (51 mm) required
- * On-off or time proportional selection
- * Wide selection of output options
- * Potentiometer setpoint
- * Sensor break protection
- * Good performance at a very low price

With Deviation Meter
Hardware Code: TEC-402- 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.

Power Input BOX 1

- 3** = 100-130 VAC, 50/60 Hz or 200-240 VAC, 50/60 Hz

Signal Input BOX 2

- 1** = Thermocouple: Type J
- 2** = Thermocouple: Type K
- 3** = RTD: 100 ohm PT, DIN 0.00385
- 4** = RTD: 100 ohm PT, JIS 0.00392
- 9** = Other

Standard Range Code BOX 3

- 4** = 0 to 300°C **C** = 50 to 550°F
- 6** = 0 to 600°C **E** = 50 to 850°F

Below available for large volume orders. Consult Tempco for more information.

- 2** = 0 to 100°C **A** = 50 to 200°F
- 3** = 0 to 200°C **B** = 50 to 400°F
- 5** = 0 to 400°C **D** = 50 to 750°F
- 7** = 0 to 800°C **F** = 50 to 1100°F
- 8** = 0 to 1200°C **G** = 50 to 1400°F
- 9** = Other **H** = 0 to 2200°F

Control Mode BOX 4

- 1** = On - Off (used for valves & solenoids)
- 2** = Proportional (common for electric heaters)

Communication BOX 8

- 0** = Not Available

Output 1 BOX 5

- 1** = Relay: 5A / 240 VAC
- 2** = Pulse DC for SSR drive: 20 VDC (20 mA max)
- 3** = 4-20 mA, linear (max load 500 ohms)
- 4** = 0-20 mA, linear (max load 500 ohms)
- 5** = 0-10 VDC, linear (min. impedance 500K ohms)
- 9** = Other

Output 2 BOX 6

- 0** = Not Available

Alarm (TEC-402) only BOX 7

- 0** = None
- 1** = Relay: 3A / 240 VAC deviation alarm