

Temperature Controllers



Models TEC-901 & TEC-902 1/16 DIN

Models TEC-901 & TEC-902 (with Hi-Low LED Indicators) 1/16 DIN Temperature Controllers



Non-Indicating Control!



TEC-902 has been discontinued. Refer to TEC-901 for replacement controllers or contact Tempco.

Design Features

- * 1/16 DIN size – 48 mm × 48 mm
- * Short panel depth – only 3-3/8" (86 mm) required
- * Laser trimmed ASIC components
- * On-off or time proportional selections
- * Wide selection of output options
- * Dial/Potentiometer setpoint
- * Sensor break protection
- * Good performance at a very low price
- * Model TEC-901 temperature control
- * Model TEC-902 temperature control with process temperature Hi-Low LED indicators

Agency Approvals:



File #:
E244198

Hardware Code: TEC-901- 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

- 1** = 100-130 VAC, 50/60 Hz
- 2** = 200-240 VAC, 50/60 Hz

Control Mode BOX 4

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

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

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

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

Output 2 BOX 6

Alarm BOX 7

Communication BOX 8

- 0** = Not Available