

# 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