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**

**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**

- UL
- CE

**Hardware Code:**

TEC-901-

A Part Number based on the hardware code and any software pre-programming will be issued at time of order.

*Standard lead time is stock to 2 weeks.*

**With Hi-Low LEDs**

**Hardware Code:**

TEC-902-

A Part Number based on the hardware code and any software pre-programming will be issued at time of order.

*Standard lead time is stock to 2 weeks.*

**Power Input**

**BOX 1**

1 = 100-130 VAC, 50/60 Hz  
2 = 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  
6 = 0 to 600°C  
C = 50 to 590°F  
E = 50 to 850°F  

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

2 = 0 to 100°C  
3 = 0 to 200°C  
5 = 0 to 400°C  
7 = 0 to 800°C  
8 = 0 to 1200°C  
9 = Other

A = 50 to 200°F  
B = 50 to 400°F  
D = 50 to 750°F  
F = 50 to 1100°F  
G = 50 to 1400°F  
H = 0 to 2200°F

**Control Mode**

**BOX 4**

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

**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**

**Alarm**

**BOX 6**

**Communication**

**BOX 7**

0 = Not Available

View Product Inventory @ www.tempco.com