


## Model TEC-704 3/16 DIN Temperature Controller



Simple Setpoint and Display!

### Design Features

- \* 3/16 DIN size – 72 mm × 72 mm
- \* Laser trimmed ASIC components
- \* Short panel depth – only 2-9/16" (65 mm) required
- \* On-off or time proportional selection
- \* Digital display, 0.4" (10 mm) red LEDs
- \* Wide selection of output options
- \* High precision wire wound dial/potentiometer setpoint
- \* Sensor break protection
- \* Good performance at a very low price
- \* Agency Approvals 



**Note: TEC-704 has been discontinued. Refer to TEC-7100 (pages 13-30 & 13-31) for replacement controllers or contact Tempco.**

Hardware Code: TEC-704-



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 = 90-264 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    F = 50 to 750°F  
 7 = 50 to 1200°F

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

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

#### Control Mode BOX 4

- 1 = On - Off
- 2 = Proportional

#### Output 1 BOX 5

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

#### Output 2 BOX 6

0 = Not Available

#### Alarm BOX 7

- 0 = None
- 1 = Relay: 2A / 240 VAC Deviation alarm

#### Communication BOX 8

0 = Not Available