

# Temperature Controllers



Models TEC-905 & TEC-900 1/16 DIN

## Model TEC-905 1/16 DIN Controller & Model TEC-900 1/16 DIN Indicator Only



Simple Setpoint and Display!



Display only!

### 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
- \* Universal power input, 90-264 VAC
- \* Sensor break protection
- \* Good performance at a very low price
- \* Model TEC-905 control with pushwheel setpoint
- \* Model TEC-900 indicator only

### Agency Approvals:



File #:  
E244198

Temperature Controller  
Hardware Code: TEC-905-

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.

Temperature Indicator  
Hardware Code: TEC-900-

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

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

#### Control Mode BOX 4

(TEC-905 only)

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

#### Range code (TEC-905 only) BOX 3

X = 0 to 499°F      C = 0 to 299°C  
V = 0 to 999°F      E = 0 to 499°C  
W = 0 to 1999°F    H = 0 to 999°C

Other ranges are available for large volume orders. Consult Tempco for more information.

#### Range code (TEC-900 only) BOX 3

**Thermocouple**  
A = 0 to 1200°F – Type J  
B = 0 to 600°C – Type J  
C = 0 to 2000°F – Type K  
D = 0 to 1100°C – Type K  
**RTD**  
E = -32 to 752°F  
F = 0 to 400°C

#### Output 1 (TEC-905 only) 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

Alarm BOX 7

Communication BOX 8

0 = Not Available