

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-



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-



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