

TC4000 HIGH-CAPACITY WET-AREA DIGITAL TEMPERATURE CONTROLLER

NEW!

Features & Benefits

- ▶ Single or dual-zone suitable for outdoor, indoor, or washdown industrial environments
- ▶ Ideal for applications up to 24 amps per zone
- ▶ Handles self-regulating cable in-rush and high-watt heaters
- ▶ Circuit breakers for over-current protection
- ▶ Heated version available

Specifications

- Voltage:** 100-240, 480 VAC single or 3-phase
Maximum Amp Load: 24 amps per zone
Temperature Control Range: -40°F to 999°F (-40°C to 999°C)
Temperature Display Units: °F and °C
Sensor Input: Type-J or Type-K thermocouple
Accuracy: ±0.5% current temperature
Hysteresis: Configurable and applied to alarm, 0 to 999° absolute or symmetrical
Alarms: Audible
Input Power Connections: Screw terminals
Output Power Connections: Cage clamps
Enclosure Rating/Classification Designation: NEMA 4X enclosure with clear door; IP65 (requires IP65 fittings)
Environmental Exposures:
 - Operating Range:
 - N Version: 32°F to 104°F (0°C to 50°C)
 - L Version: -40°F to 104°F (-40°C to 40°C)
 - Storage Range: -4°F to 158°F (-20°C to 70°C)
 - Relative Humidity: 20-85% at 122°F (50°C)
Enclosure Dimensions/Mounting:
 16 in W x 14 in H x 7 in D (406 mm W x 356 mm H x 178 mm D) with 4 wall mounting legs



Ordering Information

Part No. Matrix

TC4	X	X	X	X
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Control Zones:
 1- Single Zone
 2- Dual Zone

Current Rating:
 1- One Output (30A)
 2- Two Outputs (30A Each)

Voltage Rating:
 1 - 100-240 VAC 1-Phase
 2 - 480 VAC 1-Phase
 3 - 100-240 VAC 3-Phase
 4 - 480 VAC 3-Phase

Ambient Temp.:
 N: 32°F to 104°F (0°C to 40°C)
 L: -40°F to 104°F (-40°C to 40°C)

Accessories

Part No.	Description
TCJN10-AA	Type-J Thermocouple 10 ft long, mini-connector for outdoor use
TCJN25-AA	Type-J Thermocouple 25 ft long, mini-connector for outdoor use
TCKN10-DA	Type-K Thermocouple 10 ft long, mini-connector for outdoor use
TCKN25-DA	Type-K Thermocouple 25 ft long, mini-connector for outdoor use