

NEW!

TEMPCO

TPC TEMPERATURE CONTROL CONSOLES

Tempco TPC Portable Temperature Control Consoles are quality built self-contained systems for monitoring and controlling process temperatures in a wide range of fixed or portable applications. These 1 to 4-zone units use our reliable next generation TEC-9400 1/16 DIN auto-tuning fuzzy logic PID temperature controllers with user-friendly programming and bright LCD displays using NFPA 79/IEC standard colors.



Featuring:

- 🔴 New TEC Temperature Controller - LCD Series
 - 🔴 Compact & Portable Design
 - 🔴 Cost Effective
 - 🔴 Self-Powered "Plug & Play" or Switched Plug Outputs Available
- & more...*

TYPICAL APPLICATIONS

- Aerospace Component Manufacturing
- Automotive
- Construction Sites (PCM)
- Laboratories
- Medical Industry
- Packaging
- Plastics Processing
- R & D
- Race Teams (PCM)
- Schools
- Scientific Testing
- Semi-Conductor Manufacturing
- Transportation

See inside for more details

Heating Elements • Controls • Sensors

TEMPCO
WWW.TEMPCO.COM | 800.323.6859

TPC TEMPERATURE CONTROL CONSOLES



TPC CONSOLE FEATURES

- Front-mounted rocker panel switch
- Retractable legs for easy benchtop viewing
- Carrying handle
- Can customize with high limits, alarms, etc.
- Fast cycling solid state relay
- Miniature jack and plug for temperature sensor input (one per zone) - Type J, K, or RTD
- Power output receptacle (one per zone)
- 60-inch-long power cord with standard U.S. straight-blade plug configuration for 120V or 240V. 15A standard. 20A available. Other country standards available.
- Made in USA

TPC-1000 (1-Zone Control Console)	TPC-2000 (2-Zone Control Console)
4-7/8" H x 9" D x 5" W	4-7/8" H x 9" D x 8-1/4" W



TPC-3000 (3-Zone Control Console)	TPC-4000 (4-Zone Control Console)
4-7/8" H x 9" D x 11-1/4" W	4-7/8" H x 10" D x 14-13/16" W

EXTRA RUGGED 20 AMP UNIT WITH MECHANICAL RELAY AND 12 GAUGE 3-WIRE CORD



- 1920W/120V, 3840W/240V Maximum heater load capacity
- Ideal for Race Teams and Construction Site Heaters
- Hooded overhang front and rear for protection
- Plug & Play
- Custom Colors Available

PCM-1000 (1-Zone Control Console)
4-7/8" H x 9" D x 5" W

Zones	Voltage Input	Controlled Amps	Watts Max.	Part Number and Sensor Input	
				Type J Input	Type K Input
1	120	16	1920	PCM10084	PCM10085
1	240	16	3840	PCM10086	PCM10087



Typical Rear View



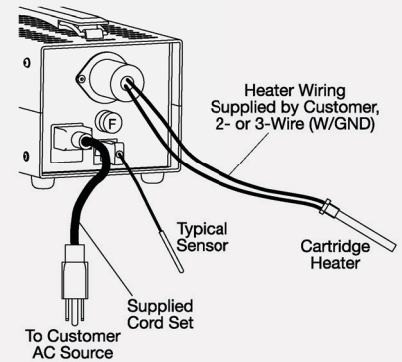
USED WITH THE NEW TEC-9400 TEMPERATURE CONTROLLERS

TYPE 1 - SELF-POWERED "PLUG & PLAY" OUTPUT

Heater Power is Drawn from Console Input Power

Heater power is drawn directly through the console's 15 amp line cord. Our standard TPC is also fused at 15 amps (12 amps useable). Units fused at 20 amps (16 amps useable) are also available. For these consoles the customer must have access to receptacles rated at 20 amps. For 120 volt operation these are NEMA 5-20, for 240 volt operation these are NEMA 6-20.

True "Plug & Play" Operation: The heater is simply wired to the supplied plug and plugged in to the rear mounted receptacle.



Self-Powered Output Consoles

Zones	Console Voltage Input	Controlled Voltage per Zone	Output per Zone Amps (max)	Watts per Zone (max)	Part Number and Sensor Input		
					Type J Input	Type K Input	RTD Input
1	120	120	12	1440	TPC10062	TPC10063	TPC10064
1	240	240	12	2880	TPC10065	TPC10066	TPC10067
2	120	120	6	720	TPC20051	TPC20052	TPC20053
2	240	240	6	1440	TPC20054	TPC20055	TPC20056
3	120	120	4	480	TPC30024	TPC30025	TPC30026
3	240	240	4	960	TPC30027	TPC30028	TPC30029
4	120	120	3	360	TPC40031	TPC40032	TPC40033
4	240	240	3	720	TPC40034	TPC40035	TPC40036

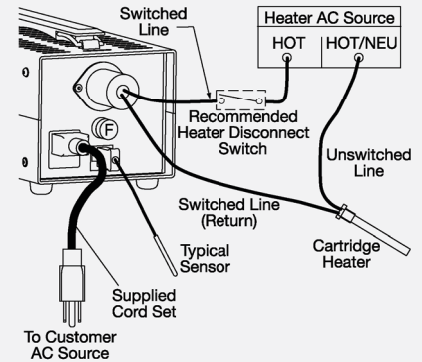
TYPE 2 - SWITCHED PLUG OUTPUT

Heater Power is Independent of Console Input Power

The heater power is independent of the console controller input power. A Solid State Relay closure is provided per zone for external control switching. Each zone is fused at 15 Amps. External 120, 208 or 240 VAC must be provided to the heater power circuit.



You must install a switch into the heater circuit to disconnect power to the heater output when the console is not in use. The internal solid-state relay should not be relied on to disconnect heater power.



Switched Plug Output Consoles

Zones	Console Voltage Input	Controlled Voltage per Zone (max)	Output per Zone Amps (max)	Watts per Zone (max)	Part Number and Sensor Input		
					Type J Input	Type K Input	RTD Input
2	120	240	12	2880	TPC20057	TPC20058	TPC20059
2	240	240	12	2880	TPC20060	TPC20061	TPC20062
3	120	240	12	2880	TPC30030	TPC30031	TPC30032
3	240	240	12	2880	TPC30033	TPC30034	TPC30035
4	120	240	12	2880	TPC40037	TPC40038	TPC40039
4	240	240	12	2880	TPC40040	TPC40041	TPC40042








ADDITIONAL TEMPERATURE CONTROL PRODUCTS

Extreme value from the company that does it best!

TEC TEMPERATURE CONTROLLERS

Tempco introduces the all new, next generation TEC Controllers. These high performance controllers are easy-to-use, feature an all new compact design and a bright multicolor LCD display. TEC Controllers are also used for pressure, flow and humidity. Discover why Tempco TEC Controllers are the #1 solution for your process applications!

-  Bright Multicolor LCD Display
-  New Compact Design
-  Micro USB Programming Port
-  High Accuracy 200 msec Sampling Rate
-  Fuzzy + PID Control and Auto-Tuning & more...



CUSTOM ENGINEERED PROCESS CONTROL PANELS

Tempco's process controllers provide integrated solutions to manage your thermal loop system.

Why spend your valuable time engineering, designing, sourcing components and building Industrial Power Control Panels? Our UL 508A Certified Panel Shop can meet all your requirements for a multitude of processing control applications, from the simplest single zone panel to the most complex thermal loop system.

We offer general purpose or custom engineered power control panels backed by over 35 years of experience in the process heating industry. We apply our vast knowledge and expertise to every system we design and manufacture.

Consult us with your requirements. We welcome your inquiries.



5 Control Panels Managing 5 Circulation Heating Systems

Application: Cleaning and applying chromate coating to aircraft parts



TEMPCO 90KW Skid Mounted Fuel Circulation Heating System

Application: Hot air heating for waste reduction management

Features: NEMA 4 Control Panel, Purge & Pressurization Enclosure Protection System, TEC-4400 PID Temperature Controller, TEC-410 FM High Limit Control, PPS-2000 Videographic Data Logger, Intrinsically Safe Sensor Barriers

D1336.00

CONTACT US TO ORDER TODAY!

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TEMPCO ELECTRIC HEATER CORPORATION

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