

Benchtop Point-of-Use Temperature Control Consoles

2

CONSOLE TYPES

Type 1—Self-Powered “Plug & Play” Output

Heater power is drawn from console input power.
Maximum current available for heaters: 12 Amps/console
Optional models available to 16 Amps

Construction Characteristics

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/IEC standard colors.



Model TPC-1000
1-Zone Control Console
4-7/8" H x 9" D x 5" W



Model TPC-3000
3-Zone Control Console
4-7/8" H x 9" D x 11-1/4" W



Model TPC-2000
2-Zone Control Console
4-7/8" H x 9" D x 8-1/4" W



Model TPC-4000
4-Zone Control Console
4-7/8" H x 10" D x 14-13/16" W

Typical Applications

- ↔ Dryers
- ↔ Platen Heating
- ↔ Ovens and Furnaces
- ↔ Heating of Tanks
- ↔ R & D Laboratory
- ↔ Educational Facilities
- ↔ Packaging Sealing Equipment
- ↔ Semiconductor Processing Equipment

Type 2—Switched Plug Output

Heater power is independent of console input power.
Maximum current available for heaters: 12 Amps/zone

Design Features

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

Console Advantages

- * Cost Effective
- * Compact Size
- * Easy to Use
- * Safe to Operate
- * Portable



Typical Rear View



- ↔ Plastics – Sprue or Nozzle Bushings
- ↔ Freeze and Moisture Protection
- ↔ Sterilizers/Pasteurizers
- ↔ Food Processing Equipment

NEW DESIGN


Extra Rugged 16 Amp Unit with Mechanical Relay and 12 Gauge 3-Wire Cord

NEW DESIGN



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.

Design Features

- * 16 Amp Rated, 20 Amp Fused
- * 1920W/120V, 3840W/240V Maximum load capacity
- * Ideal for Race Teams & Construction Site Heaters
- * Hooded overhang front and rear for protection
- * Plug & Play
- * Agency Approvals:  US File #: E307875

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