

## PORT Portable Heater Control/Alarm System



- Fully Wired, Convenient Plug-in Receptacles for Input and Output Connections
- Controls Heater Loads
- Up to 15 Amps @ 120/240 Vac
- Plug-in Controller and Optional Alarm
- Universal Sensor Input
- Power ON/OFF Circuit Breaker
- Digital Indication of Process and Setpoint
- 120/240 Vac Multi-Line Voltage
- 6 Ft. Power Cord Included
- Power Handling Capability
  - 3600 Watts @ 240 Vac
  - 1800 Watts @ 120 Vac
- Portable Plastic Case and Bench Top Stand

### Applications

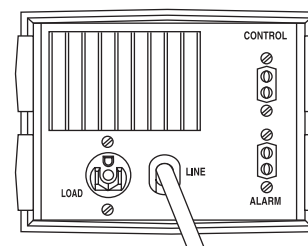
- Laboratory Baths
- Heating Mantels
- Water Baths
- Flask Heaters
- Heating Tapes
- Reactors
- Hot Plates

### Description

Chromalox/PORT is a highly accurate portable control system for the most demanding laboratory or research application.

A digital display provides setpoint and process readings via front mounted toggle switch. The control package provides 3 mode (PID) with a 15 Amp output capability. Output firing modes include Phase Fire for inductive or transformer loads, Time Proportional or DOT fire (zero crossover) for resistive loads. The optional over-temperature controller is used in applications where excess temperature detection and shutdown are required for process and personnel safety.

### Dimensions



9" L x 8 1/4" W x 6" H  
(228 x 210 x 152 mm)

Back View

### Ordering Information

Complete the Model Number using the Matrix provided.

#### Model

**PORT Single Phase SCR Power Control Panel**

#### Panel Configuration

cUL and UL Listed Single Phase Benchtop SCR Power Control Panel. Features: Factory pre-wired for Laboratory or Portable Use, Heavy Duty Line Cord, Fused Output Receptacle, Front Panel Power Switch, and Type J or K Thermocouple Input Jacks. Options Include: Phase Angle or Zero-Cross-over Firing, 1/4 DIN or 1/16 DIN Process Controllers, and 1/16 DIN Hi-limit Controller.

#### Code Current 15 Amps @ 40°C (104°F) Ambient

- |   |   |
|---|---|
| 1 | Phase Angle Firing                      |
| 2 | Time Proportional Zero-Crossover Firing |

#### Code Process Controller Options

- |   |  |
|---|--|
| 1 | 2104-R01000 1/4 DIN Dual Display Controller (Time Proportional Zero-Crossover Firing Only) |
| 2 | 2104-A0100 1/4 DIN Dual Display Controller (Phase Angle Firing Only)                       |
| 3 | 1604-61030 1/16 DIN Dual Display Controller (Time Proportional Zero-Crossover Firing Only) |
| 4 | 1604-71130 1/16 DIN Dual Display Controller (Phase Angle Firing Only)                      |

#### Code Overtemperature Controller Options

- |   |  |
|---|--|
| 1 | None                                     |
| 2 | 1600-10030 1/16 DIN Hi-Limit Controller. |

#### Code Sensor Input Type

- |   |                     |
|---|---------------------|
| 1 | J Type Thermocouple |
| 2 | K Type Thermocouple |

#### Code Load Power

- |   |         |
|---|---------|
| 1 | 120 Vac |
| 2 | 240 Vac |

PORT 2 1 1 1 1 Typical Model Number