

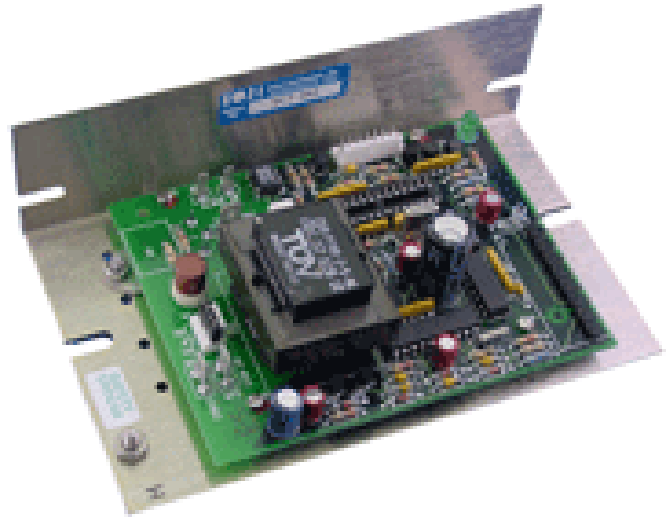


OVENindustries

ELECTRONIC CONTROL SOLUTIONS

5C7-461 AC CONTROLLER with TC input

This AC input temperature controller accepts J, E, K, or S thermocouple inputs and can be configured for different modes of operation with a PC via the RS485 port. Up to 32 units per interface are addressable over a maximum of 4,000 feet of cable. Once the controller is configured, the PC may be disconnected and the controller can be operated as a stand alone. Communications can be reestablished at any time to adjust the settings and all parameters are retained in nonvolatile memory. The input voltage can be either 110 or 220 VAC. Sensors and RS485 connections are made easy with Euro style terminals. A solid state relay provides output capacity of 15 amps. Also included is an 0.5 amp alarm and 5 volt drive signal rated at 20ms for an optional LED monitor, solid state relay, or reed relay.



FEATURES

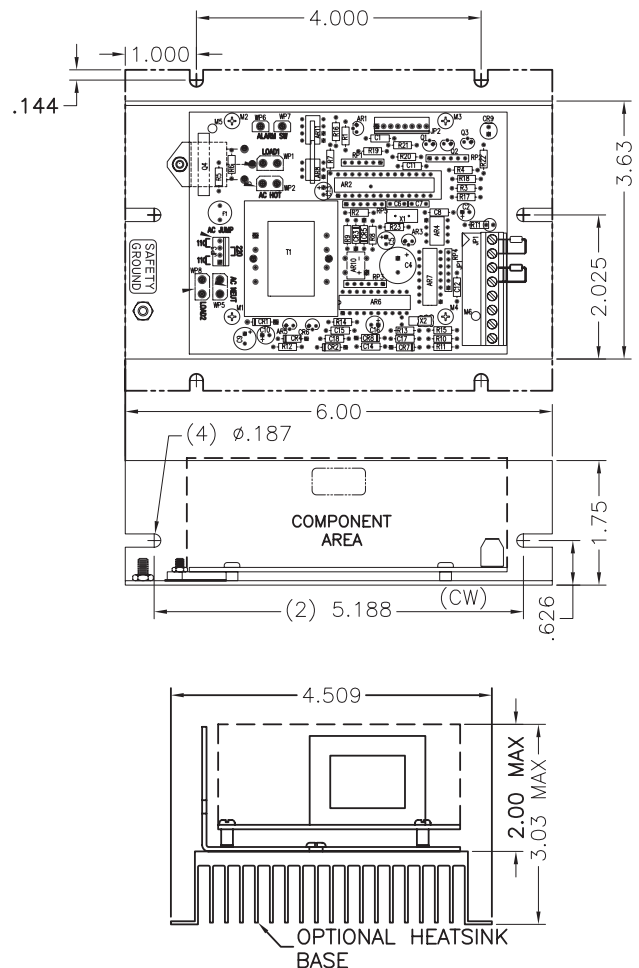
- Isolated J, E, K, or S Type Thermocouple Input
- PC Programmable
- P, PI, PD, PID or On/Off Control Options
- Set Point by PC, 5K Pot., 4-20ma or 1 to 5VDC
- Configurable Alarm Circuit and Alarm Output
- 120 or 220VAC factory set Supply Voltage
- RS485 Communication Port with 32 unit Addressable
- Set Temperature range of -200 to 1450°C
- Parameters Retained in Nonvolatile Memory

SPECIFICATIONS

- Input Voltage: 120VAC or 220VAC selectable
- Load Current: 15 A; 20 A with Heat Sink
- Temperature Resolution: 0.1°C
- PID Control Functions:
 - Bandwidth : 0.1 to 50°C
 - Integral: 0 to 10 repeats per minute
 - Derivative: 0 to 10 minutes
- Ambient Temperature range: -20 to 70°C
- T/C Isolation: 500VAC with respect to safety GND
- Alarm Output: 120/220VAC @ 0.5A
- 2" H (3.03" with HS) x 6" W x 3.63" D
- Customer Drawing: CDR-00177

ACCESSORIES

- Heat sink: Recommended for loads above 15A



CONTACT US AT **877-766-OVEN** FOR DETAILED DRAWINGS AND PRICING OR VISIT **WWW.OVENIND.COM**