



**CONTROL
CONCEPTS**

1037A

**Single-Phase, Zero-Cross
Power Controller**



Description

The model 1037A is a single-phase, distributive-zero-cross SCR controller which linearly controls, with respect to a command signal, either the average load voltage or the average load current applied to a variable resistive load.

The 1037A controller uses average voltage feedback or average current feedback and is especially suited to control the electrical power applied to a single-phase resistive load (such as silicon carbide heating elements) where the resistance changes with age and/or element temperature.

Features

- Sync Guard
- Trans Guard
- Shorted SCR Protection
- Current Metering Output
- Duty Cycle Metering Output
- Remote Load Current Indicator
- Run or Idle Input Selection
- Remote Command Limit Control
- Voltage or Current Feedback

Applications

- Silicon Carbide Heating Elements
- Loads that change resistance with time.
- Loads that change resistance with temperature.

Approvals

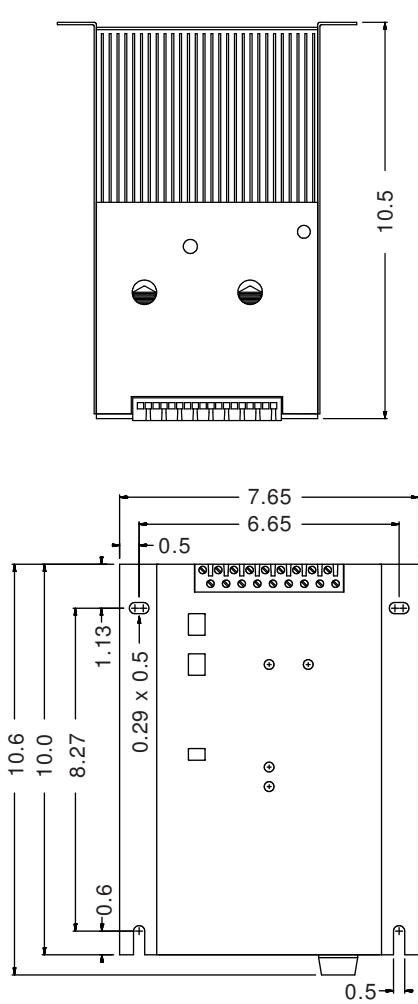


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INDUSTRIAL
CONTROL
EQUIPMENT
E136219

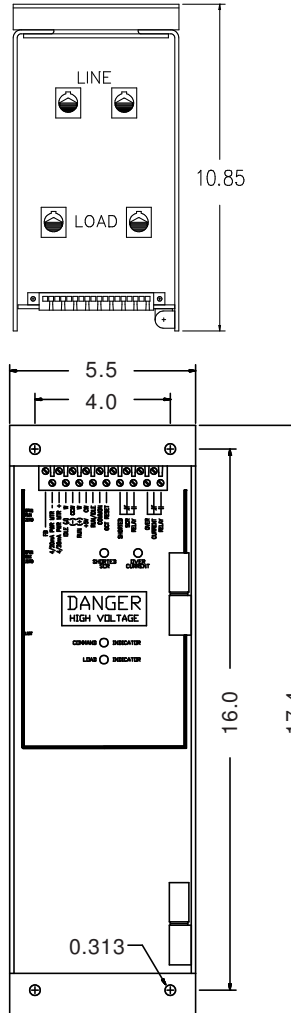


CERTIFIED
BY UL TO
CANADIAN
NATIONAL
STANDARDS

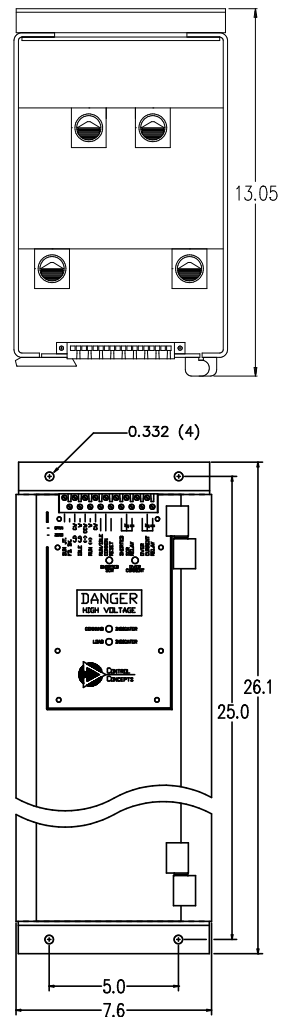
Dimensions



50, 80, 120 & 160 Amps



200, 250, 300, 380 & 425 Amps



500, 600 & 750 Amps

Ordering Information

Basic Model No. _____ 1037A - x - xxxV - xxxA - Rx/x -Ix/x
 Feedback: Average Voltage (A) or Average Current (IFB). _____
 Line Voltage: 120, 208, 240, 277, 380, 415, 480, or 575. _____
 Load Current: 50, 80, 120, 160, 200, 250, 300, 380, 425, 500, 600 or 750 Amps. _____
 Run Command Signal: 0/5Vdc, Potentiometer or 4/20mA. _____
 Idle Command Signal: 0/5Vdc, Potentiometer or 4/20mA. _____

Complementary Products

Control Concepts, Inc., with a full range of standard and custom SCR power controllers and signal conditioners, has the expertise to meet your specific industrial power control needs. All of Control Concepts products are covered by a limited two year warranty.

Call us for answers, and delivery schedules, that work.



800.765.2799 | www.cciipower.com
 Phone: 952.474.6200 Fax: 952.474.6070
 7870 Park Drive, Chanhassen, MN 55317, U.S.A.