

460

Single Phase Plug-in SCR Power Controller



The 460 Series of SCR power controllers has a wide range of user selectable analog inputs and firing modes. In addition to simple resistive loads, they can control time/temperature dependent resistive loads and transformer coupled loads. PLF, current limit, soft-start and quench are standard features.

Ordering codes

1	2	3	4	5	6	7
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1 Basic Product	2 Current	3 Voltage	4 Auxiliary Supply	5 Input	6 Language	7 Firing Mode	8 Option
Rating 461 15A 461 25A 461 40A 462 55A 462 75A 463 100A* 464 125A* 464 150A*†	081 15 amps 082 25 amps 083 40 amps 062 55 amps 113 75 amps 114 100 amps 117 125 amps 100 150 amp†	10 120 volts 13 240 volts 32 277 volts 28 440 volts 29 500 volts	19 115 and 230V 43 380 and 230V 47 440 and 230V 44 500 and 230V	008 0-5Vdc 068 1-5Vdc 060 0-10Vdc 069 0-5mA 071 0-10mA 072 0-20mA 073 4-20mA	ENG English FRA French GER German	001 Fast cycle 050 Slow cycle 160 Single cycle 002 Phase angle 055 Fast cycle with Phase angle start 056 Slow cycle with Phase angle start	76 No baseplate 83 PLF closed in alarm (open as standard) 69 60Hz

* Fan cooled (23VA)

† Requires external fuseholder and fuse -see page 3-47.

Features

- 15–150 amps, 500Vac max.
- selectable input
- selectable firing mode
- partial load failure detection

Specifications

Dimensions:

461	247H x 76W x 236D mm, 3kg
462	247H x 114W x 236D mm, 4kg
463	247H x 152W x 236D mm, 5kg
464	280H x 152W x 236D mm, 5kg

Load type:

resistive (fixed or variable), transformer coupled or inductive

Inputs:

DC Voltage: 0-5V, 1-5V, 0-10V, input impedance > 100KΩ

DC Current: 0-5mA, 0-10mA, 0-20mA, 4-20mA, input impedance 250Ω

Firing mode:

single cycle, fast cycle, fast cycle with soft start, slow cycle, phase angle (with current limit)

Operating temperature:

0 to 45°C

Fuses internal except for 150A unit, see pages 3-47 to 3-49.