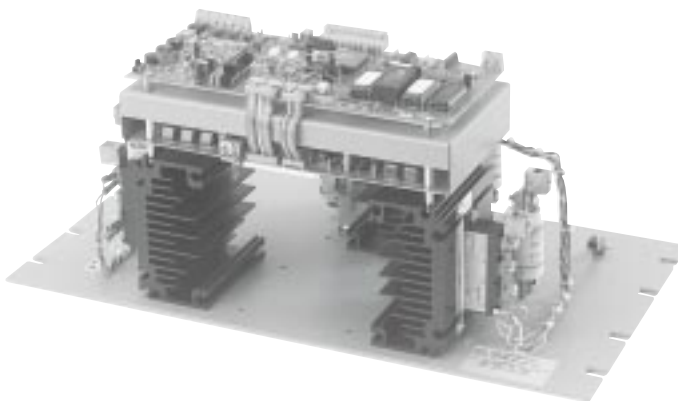




7930

Three Phase, 3-Leg Microprocessor Based Six-SCR Power Pak



- **Selectable Firing Modes**
 - Phase Fire
 - Zero Fire
 - Soft Start Zero Fire
 - Phase/Zero Fire
- **Selectable Control Modes**
 - Voltages
 - Current
 - Power
 - External Feedback
- **4-20 mA Retransmit of Voltage, Current or Power**
- **Peak Current Detection and Shutdown**
- **Computer Compatible RS-485 Network**
- **Isolated Control Circuit**
- **Grounded Heat Sink**
- **dV/dT and MOV Voltage Transient Protection**
- **I²T Fusing (Option)**
- **Adjustable Soft Start and Current Limit (Phase Angle)**
- **Hand Held Terminal Available for Local Programming**

Description

The 7930 Microprocessor-Based Three Phase Power Pak features field selectable firing modes enabling the Pak to be used on any 3- or 4- wire 3-phase load application. The Model 7930 even offers combination SCR firing such as Soft Start Zero Fire and Phase/Zero Fire which permits the use of the Model 7930 with extremely dynamic loads.

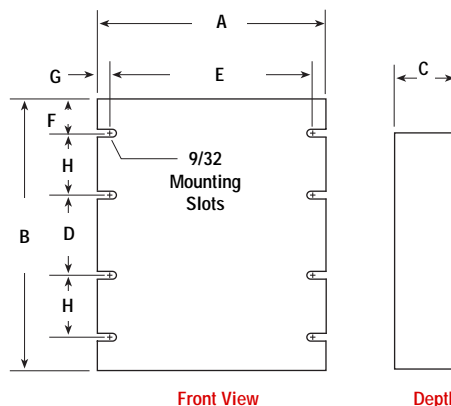
The Model 7930 offers remote shut-off, adjustable HI/LO power output limits, and retransmitted signal that can be field configured to represent the current, power, or voltage being delivered. Options include: RS-485 Network capability, current limit and peak current detection with shutdown. A digital input allows selection of computer or

input signal control. RS-485 also has a peak current shutdown that acts as a resettable fuse to protect the SCRs. The Model 7930 is available in sizes 30-400 Amps and with operating voltages of 208, 240, 480 and 575 Vac.

Mechanical Features

- LED Indication of Firing.
- Electrical Control Connections made on a Plug-in Screw Type Terminal Block.
- Thermostat Protection with NC Contact Standard on Forced-Air Cooled Units and NO Contact Available on All Units.

Dimensions



**All Dimensions
in Inches (mm)**

Amps	A	B	C	D	E	F	G	H
30-50-75A	19 (483)	10.46 (266)	8.5 (216)	3 (76)	18.37 (467)	1.48 (38)	.31 (7.87)	2.25 (57)
100-125-150A	19 (483)	17.46 (443)	10.5 (267)	6.5 (165)	18.37 (467)	1.48 (38)	.31 (7.87)	4 (102)
175-200A	19 (483)	24.46 (621)	10.5 (267)	7.5 (190)	18.37 (467)	1.48 (38)	.31 (7.87)	7 (178)
250-300A*	19 (483)	19.21 (488)	10.5 (267)	5.75 (146)	18.37 (467)	1.48 (38)	.31 (7.87)	5.25 (178)
400A*	19 (483)	26.21 (666)	10.5 (267)	9.25 (235)	18.37 (467)	1.48 (38)	.31 (7.87)	7 (178)

500 Amps and above consult factory for dimensions

* Fan cooled. Allow fan clearance below mounting plate, 4" for 250-400 Amps and 6" on 500 Amps and above.



More Information
is Available Online
on SCR Power Control.

Bookmark Your Browser to
www.chromalox.com
and Select Manuals.

Accessories

Hand Held Terminal HL-8200

Allows firing mode selection, control mode selection, calibration, communications setup, setting of parameters Part No. 0108-49009

7930 Six-SCR Power Pak (cont'd.)

Ordering Information

Complete the Model Number using the Matrix provided.
For more options, see SCR Component Options on the following page.

Model	SCR Power Pak																										
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SCR Components

7930 - 1B 03 5 20 1 2 - C3-14 (3) Typical Model Number