

Power Control Center™

- **Customized High Performance SCR Power Control Systems**
- **Flexible, Modular SCR Buckets**
- **Expand and Adapt to Changing Applications**
- **Minimizes Process Downtime**
- **Rugged Construction**
- **Extensive Built-In Safety Features**

Description

The Power Control Center™ is a modular heating and control system solution that packages our advanced line of high performance SCR power controllers in the same flexible, modular packaging that made motor control centers (MCC) the industry standard for electrical distribution and motor control. Modular design allows for growth and adaptation, allowing the system size and configuration to be changed at any time, or to add on to existing motor control center line-ups.

The heavy duty, interchangeable SCR “buckets” can be easily removed for maintenance and reconfiguration. These buckets economically package all bus work, wiring, contactors and SCR power modules into one enclosure. Each bucket is pre-wired and pre-tested. The centralized electrical bus and molded stabs have no exposed wires and provide easy installation, optimum conductivity and minimum maintenance.

Designed for personnel, equipment and process protection, the compartmentalized design isolates any potential device failure from affecting other units. The units are constructed for long-term service in our ISO9001 and UL certified panel manufacturing facility.



Modular Design



Power Control Center™ (cont'd.)



Specifications

MCC Make or Model	Square D Allen-Bradley Other	Isolation Contactor	Available
Depth	15" or 20"	Auxiliary Contactor	<ul style="list-style-type: none"> • 1 Normally Open • 1 Normally Closed • 1 Normally Open/ 1 Normally Closed • Other
Bus Bracing (KAIC)	Standard (42K) 65K	Contactor Coil Voltage	<ul style="list-style-type: none"> • Supplied Internal to unit • Field Supplied
Horizontal Bus (Tin Plated Copper)	600 Amps 800 Amps 1200 Amps	Power ON Light	Available
Vertical Bus (Tin Plated Copper)	300 Amps 600 Amps	Power Controller	<ul style="list-style-type: none"> • Single Phase • 3-Phase • 3-Phase, 4 Wire • Single Phase Tap Changer
Horizontal Ground Buss (1/4" x 1")		Load	Resistive Inductive
Vertical Bus Shutters	Available	kW	Specify
Vertical Isolation Barriers	Available	Line Voltage	120, 208, 240, 277, 480, Other
Main Feeder Incoming Power	<ul style="list-style-type: none"> • 3-wire • 4-wire 	Frequency	60 Hz 50 Hz
Main Feeder	<ul style="list-style-type: none"> • Lugs Only • Circuit Breaker (KAIC) • Non-Fused Disconnect Switch • Fused Disconnect Switch 	Control Signal	Specify
Plug-In Unit Switchgear	<ul style="list-style-type: none"> • Circuit Breaker (KAIC) • Non-Fused Disconnect Switch • Fused Disconnect Switch 	I²T Fusing	Available
		Heat Sink Thermal Switch	Available
		Ammeter	Available
		Voltmeter	Available
		Wattmeter	Available
		Auto/Manual	Available

Ordering Information

Contact your Local Chromalox Sales office for detailed application specifications.