



June 1, 1988
 Supersedes Service Guide 8900,
 page 1, dated February 15, 1987
 Prices effective June 1, 1988;
 Subject to change without notice.
 Discount Symbol C85
 (Selling Policy 7000)
 Mailed to: E, D/8900A

Series 2100 Motor Control Centers

Technical Assistance/ Series 2100 Startup

I. Why Use This Service

Motor control centers although primarily a collection of controllers for motors also contain other diversified electrical products some of which are state-of-the-art electronic devices. These devices include electronic motor starters, metering devices, circuit breakers and programmable controllers. Also, at the time of MCC manufacture, motor parameters may not have been finalized. This means the manufacturer may not be aware of how its products are being applied. To insure complete customer satisfaction, it may be desired to have a factory trained representative at the job-site during equipment start-up to serve as technical consul.

II. Description

1. Insure that MCP protective devices have been properly set and locked.
2. Review power fuse selection and installation procedures.
3. General physical inspection of MCC power and control connections. Insure incoming line power connections comply with UL/NEC requirements.
4. Insure that UL requirements are met.
5. Insure that any special motor starting and running applications have been considered when selecting motor starter controls.
6. Insure that Main Metering, if any, is functioning properly.

III. Pricing (Discount Symbol C85)Ⓞ

1. The table for start-up service pricing is valid only for service ordered with the Series 2100 equipment. Price each lineup and add for the appropriate modifications and mileage charges.
2. Charges based on standard straight time workday. All weekend, holiday and overtime requirements in excess of 8 hours will be billed at existing premium rates.
3. All prices are net and include travel time and expenses to a single location within 50 miles radius of the nearest published Westinghouse ser-

Series 2100 MCC (Per 5 Front Mounted Structures or Fraction)					\$660
Series 2100 MCC (Per 5 Additional Front Mounted Structures or Fraction)					\$500
Accessory Items*					List Price Each
Automatic Transfer Switch					\$330 Ea.
E.O. Main Breaker					330 Ea.
Autotransformer RVNR					330 Ea.
Protective Relaying					660 Ea.
IQ Data Plus IQ1000					330 Ea.
Special Relay Panels					330 Ea.
Additional Technical Services					\$ 92/Hr.
Accutrol Mounted in MCC*					
Accutrol Type	Hp	List Prices			Add'l. Tech. Services
		First Unit	Each Add'l. Unit		
A110	All	\$575	\$100		\$92/Hr.
A150/200	3-25	575	100		
A150/200	30-75	575	100		
A200	100 and Over	575	100		
A300	7.5-125 150 VT.	575	100		
Solid State Starter in MCC*					
Hp	List Prices			Add'l. Tech. Services	
	First Unit	Each Add'l. Unit			
1-75	\$625	\$130		\$92/Hr.	
100-150	660	290			
200-400	900	500			
*Include structure adder from above.					
Mileage Charge (Beyond 50 miles)					\$98/25 miles or fraction thereof.

vice office. Beyond 50 miles, a mileage charge will be added per 25 miles or fraction thereof. Service locations listed on page 3.

4. If Technical Assistance/Series 2100 Start-Up is purchased, the service will be invoiced as a separate item with the equipment and qualify the customer for a 24 month warranty. Any warranty defects discovered during start-up will be replaced or repaired with no additional labor charge.
5. Start-up must be purchased prior to equipment shipment to qualify for the published rates. Start-up service purchased after equipment shipment will be priced with a **25% premium**. All

other conditions refer to Westinghouse.

6. All service performed outside the start-up scope in section listed in Section II will be performed only with written customer authorization or authorization by on-site customer representative. Charges for those additional technical services will be billed at the applicable rate in effect at time of service.
7. Continental U.S.A. only. Outside continental U.S.A. contact Westinghouse.
8. Additional terms and conditions per Westinghouse Selling Policy 31-000.

IV. Explanation of Customer Requirements

The Technical Assistance/Series 2100 Start-Up pricing is based on the Series 2100 MCC and associated equipment being in a ready-to-run condition:

1. All motors must be installed, wired and connected to the process.
2. All power, control, sequencing and process signals are available and connected.
3. Technical personnel with instruments, instruction manuals and drawings are available to assist in operation of the equipment.
4. Customer drawings showing location and operation of any additional hardware are available.
5. Customer caused waiting or stand-by time and return trips caused by customer scheduling are additional charges and will be billed at prevailing hourly rates plus mileage charges for the return trip.
6. Provide minimum of (2) weeks written advance notice for start-up service. Less than 2 weeks notification may result in additional service charges.

Note: Westinghouse cannot assume responsibility for the overall system and application. It is expected that qualified customer personnel will be available with the necessary knowledge and authority regarding the overall system.

Ⓞ Changed or added since previous issue.



Technical Assistance/Series 2100 Startup

V. Optional Services[Ⓞ]

The following technical services are not specifically covered by Technical Assistance/Series 2100 Start-Up but can be combined with Technical Assistance/Series 2100 Start-Up . . . contact Westinghouse for information and pricing.

- Retrofits such as vacuum contactors/ solid-state starters and controllers.
- Revised factory MCC drawings reflecting "as installed" MCC alterations.
- Maintenance and operation training sessions tailored to any specific requirements. Suggested topics include preventative maintenance, solid-state testing, basic motor control, trouble shooting and design features.
- Recommended spare parts if not originally purchased with the equipment.

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New Information
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Series 2100 Motor Control Centers

Service Locations

Atlanta, Georgia
1299 Northside Drive, N.W.
Atlanta, GA 30318

Boston, Massachusetts
10 California Avenue
Framingham, MA 01701

Chicago, Illinois
16750 Chicago Avenue
Lansing, IL 60438

Dallas, Texas
8400 John W. Carpenter
Dallas, TX 75247

Honolulu, Hawaii
1030 Mapunapuna Street
Honolulu, HI 96804

Los Angeles, California
18020 S. Santa Fe Ave.
Compton, CA 90221

Mobile, Alabama
1125 Corporate Dr., North
Suite 205
Mobile, AL 36607

Omaha, Nebraska
7100 West Center Road
Omaha, NE 68106

Phoenix, Arizona
1824 E. Jefferson Street
Phoenix, AZ 85034

St. Louis, Missouri
2060 Craigshire Road
St. Louis, MO 63146

San Francisco, California
2470 Estand Way
Pleasant Hill, CA 94523

Tampa, Florida
3018 US Highway 301 North
Suite 1000
Tampa, FL 33619

Baltimore, Maryland
6480-B Dobbin Road
Columbia, MD 21405

Buffalo, New York
700 Ellicott Square Bldg.
Buffalo, NY 14203

Cincinnati, Ohio
7710 Reading Road
Cincinnati, OH 45222

Denver, Colorado
1500 W. Hampden Avenue
Englewood, CO 80110

Houston, Texas
5722 Clinton Drive
Houston, TX 77020

Milwaukee, Wisconsin
205 Bishops Way
Elm Grove, WI 53122

New Orleans, Louisiana
3500 N. Causeway Blvd.
Metairie, LA 70002

Peoria, Illinois
7000 S.W. Adams Street
Peoria, IL 61607-0184

Pittsburgh, Pennsylvania
230 Alpha Drive
Pittsburgh, PA 15238

Salt Lake City, Utah
1290 West 2320 South
Suite D
West Valley City, UT 84119

Seattle, Washington
1180 Andover Park West
Seattle, WA 98188

Birmingham, Alabama
133 West Oxmoor Road
Suite 205
Birmingham, AL 35209

Charlotte, North Carolina
2001 W. Morehead Street
Charlotte, NC 28208

Cleveland, Ohio
4590 West 160th Street
Cleveland, OH 44135

Detroit, Michigan
24700 Eleven Mile Road
Southfield, MI 48037

Kansas City, Kansas
8900 Indian Creek Parkway
Building 6, Suite 200
Overland Park, KS 66210

Minneapolis, Minnesota
3501 S. Highway 100
Minneapolis, MN 55416

Hillside, New Jersey
1447 Chestnut Avenue
Hillside, NJ 07205

Philadelphia, PA
5081 West Chester Pike
Edgemont Plaza, Bldg. C
Edgemont, PA 19028

Richmond, Virginia
471 Southlake Boulevard
Richmond, VA 23236

San Diego, California
5450 Complex Street
Suite 309
San Diego, CA 92123

Syracuse, New York
6770 Old Collamer Road
East Syracuse, NY 13057



Service Locations

Westinghouse Electric Corporation
Commercial Operations Division
Integrated Logistics Support
Asheville North Carolina, U.S.A. 28813