

Quick Connection Cabinet (QCC)



Installation / Operation / Maintenance Manual 2000A thru 4000A Ratings, 480Vac Max

WARNING!

WHEN WORKING ON EQUIPMENT OF THIS TYPE, EXTREME DANGER OF ELECTROCUTION EXISTS THAT MAY RESULT IN INJURY OR DEATH. DO NOT ATTEMPT ANY REPAIRS OR ADJUSTMENTS TO THIS EQUIPMENT WITHOUT FIRST TAKING THE APPROPRIATE PRECAUTIONS TO PREVENT PERSONAL INJURY AND EQUIPMENT DAMAGE.

DURING INSTALLATION AND USE OF THIS PRODUCT, COMPLY WITH THE NATIONAL ELECTRICAL CODE (NEC), FEDERAL, STATE AND LOCAL CODES, AND ALL OTHER APPLICABLE SAFETY CODES.

MAIN UTILITY POWER MUST BE OFF DURING INSTALLATION, WHEN PERFORMING EQUIPMENT MAINTENANCE OUTSIDE THE EQUIPMENTS NORMAL MAINTENANCE SCOPE AND WHEN PERFORMING REQUIRED MAINTENANCE ON ANY POWER CABLE(S) CONNECTED TO THE EQUIPMENT.

WARRANTY

Lake Shore Electric Automatic Transfer Switches are guaranteed against defective materials and workmanship for a period of one year from date of shipment. If, within one year after shipment, it is proved to Lake Shore's satisfaction that the equipment requires valid warranty and Lake Shore is promptly notified of same, Lake Shore will make necessary corrections, free of charge. F.O.B. works where manufactured.

Such necessary corrections constitute the full extent of Lake Shore's warranty. There are no warranties, which extend beyond those described herein. This warranty is exclusive and is in lieu of all other warranties, whether written, oral, implied or statutory. No warranty of merchantability or of fitness for purpose shall apply.

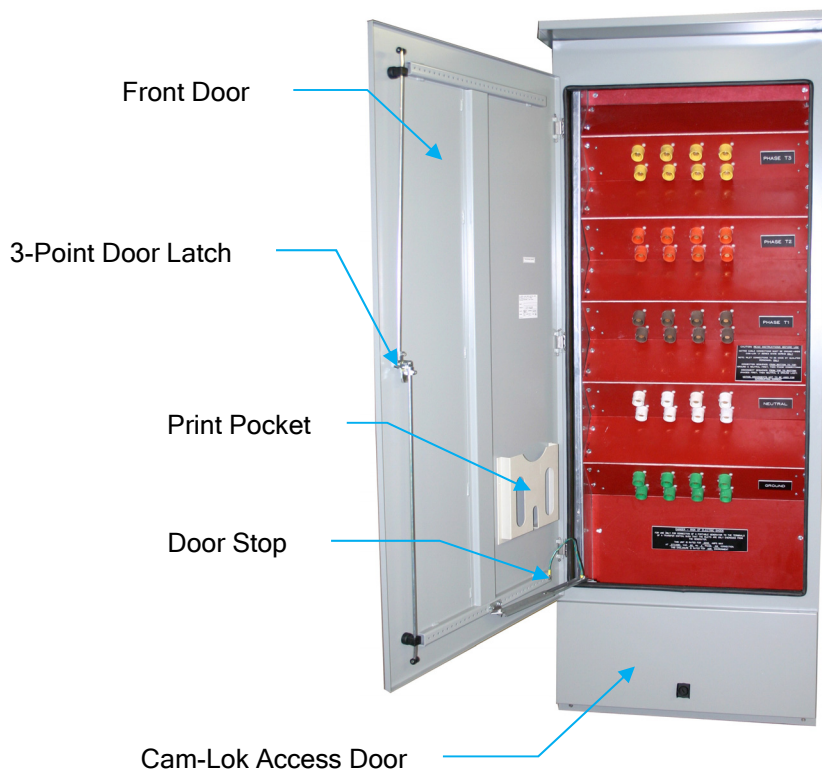
Lake Shore is not responsible for damage to its equipment through improper installation or use, unauthorized repair or modifications, or attempts to operate it above its rated capacities or in abnormal environments. In no event, whether as a failure to meet conditions of the warranty or otherwise, shall Lake Shore be liable for any special, incidental, or consequential damages, including, but not limited to, loss of profit or revenues, loss of good will, damages to associated equipment, cost of capital, cost of substitute products, facilities, service or replacement power, costs of downtime or claims of third parties for such damages.

Notice: The owner of this quick connection cabinet must perform periodic maintenance as described in this manual in order to maintain Lake Shore Electric Corporation's one year exclusive warranty. Failure to perform this maintenance shall void this warranty.

NOTE

Engineering changes may have been made after publication date. Any departure from this manual should be checked with Lake Shore Electric Corporation.

Lake Shore Electric Corporation reserves the right to change specifications without prior notice.



OVERVIEW

Lake Shore Electric's Quick Connection Cabinets (QCC) are intended to provide a temporary connection to an emergency generator and a permanent connection to a building load.

QCC INSTALLATION

IMPORTANT! When cables must be connected or disconnected to the QCC, the generator must be "OFF"!

Once determining the appropriate size cable to connect the QCC to the building load, conduits must enter from either the top or rear of the cabinet. If from the rear, they must be as close to the top as possible to allow for adequate cable bend area. Additionally, consideration must be given when rear connected to insure the conduit hub does not interfere with the mounting of the cabinet.

NEVER enter conduits from the bottom or the sides of the cabinet. In order to maintain the Nema 3R and Nema 4 ratings, insure that appropriate gaskets and/or seals are utilized during installation. The cabinet must be mounted level to allow for proper drainage through the integral weep holes located in the bottom of the unit.

THE STANDARD QCC PRODUCT DOES NOT PROVIDE OVERCURRENT PROTECTION OF ANY KIND. IT MUST BE PROTECTED BY AN UP-STREAM CIRCUIT BREAKER TO MAINTAIN REQUIRED SHORT CIRCUIT RATINGS.

Confirm that the generators voltage and phase sequence match that as provided with the QCC unit. The Cam-Loks are color coded with voltages and phase sequences clearly marked on a label inside the lower access door as well as included on the Outline drawing provided in the print pocket located inside the front door.

Minimal periodic maintenance is required other than visual inspection to insure proper operation. Inspect sealing of the doors and gaskets and check that the proper torque is maintained on the compression lugs (supplied by installer) at the load connection to the bus bars.

The required torque values are visible on a label located on the inside of the front door as well as on the Outline drawing located in the print pocket.

STANDARD CAM-LOK COLOR CODE BY VOLTAGE

Voltage	L1 (φA)	L2 (φB)	L3 (φC)	NEU	GND
120/240Vac	Black	Red	Blue	White	Green
277/480Vac	Brown	Orange	Yellow	White	Green

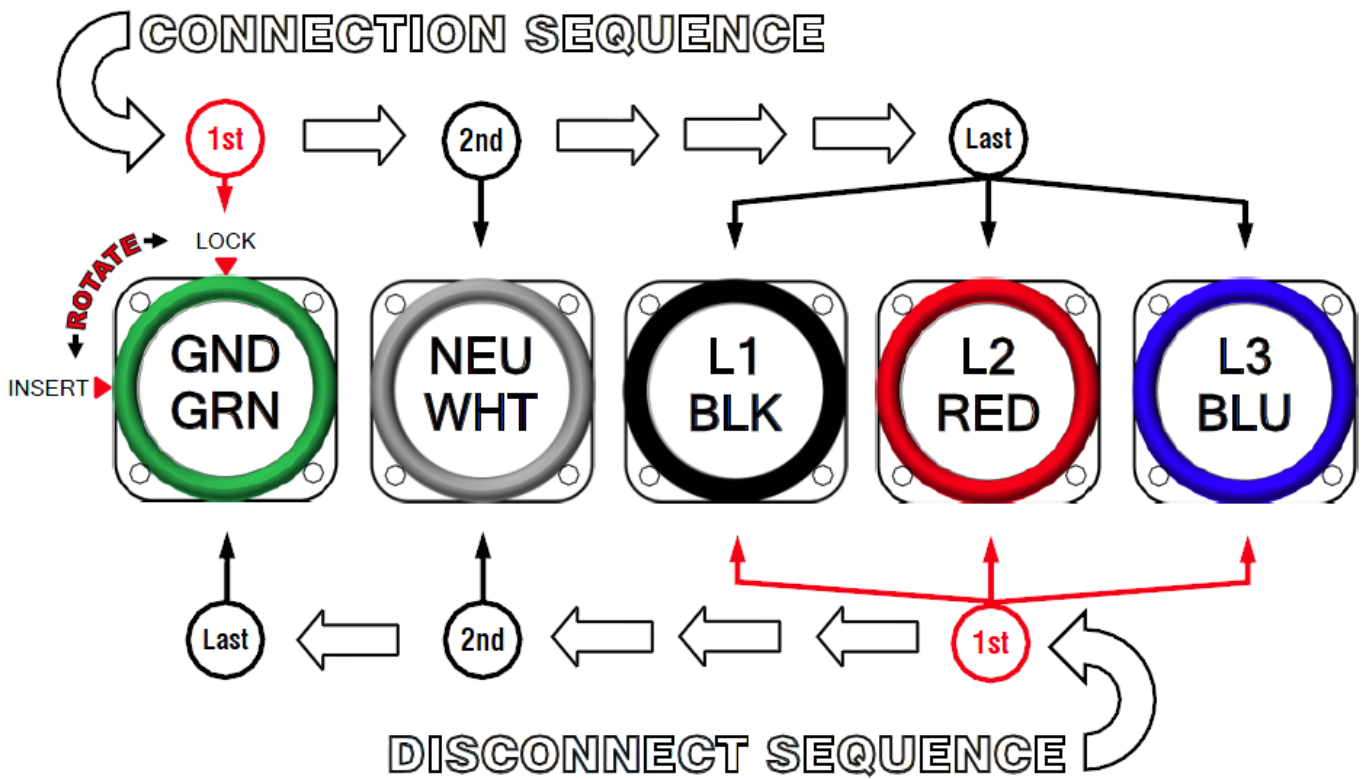
CAUTION: READ INSTRUCTIONS BEFORE USE

PREFERRED MATING CAM-LOK CONNECTOR: **CROUSE-HINDS E1016 "J" SERIES**

NOTE: **INLET CONNECTIONS TO BE MADE BY QUALIFIED PERSONNEL ONLY**

NOTICE: **DISCONNECTS NOT TO BE USED FOR INTERRUPTING CURRENT**

CAM-LOK™ CONNECTOR RATING: 400A MAX @600VAC 60Hz WITH CABLE RATED 105° C MINIMUM
360A MAX @600VAC 60Hz WITH CABLE RATED <105° C



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