



Field Retrofit Kit to Replace CXCR to CXC HP PN: 0380529-001

Summary

This procedure outlines how to replace a CXCR controller with a CXC HP controller.

This procedure applies to the following Alpha power systems: CXPS-C, CXPS-HX and older generations of indoor power systems.

This MOP will cover generic requirements for mounting and system wiring.

Equipment or Tools Necessary

- Flat head screwdriver (Blade width 3/32" (2.4mm))
- #2 Phillips head screwdriver
- Side Cutter
- 3/8" Nut driver for ground strap removal
- 5/16" Nut driver for rack screws
- Digital Volt Meter (Multi-Meter)
- Laptop with ethernet connection and browser (IE, Firefox, Chrome)
- Ethernet Cable

Procedure

1. Review the safety instructions in the power system manual, and the battery manufacturer's safety recommendations.
NOTE: If the power system is equipped with an LVD inhibit switch, place the switch in the **Override, Manual or Inhibit position to prevent interruption of the power to the loads.**
2. Review the system schematic of the power system. Identify additional signal I/O wiring to the existing controller. Note the wire tag numbers and terminal block position numbers on the controller PCB. Login to the CXC controller and note the following settings and any other customer settings:
 - a. Voltage settings
 - b. Battery settings
 - c. Current settings
 - d. Custom settings

3. Locate the CXCR, then unlock and flip down the front panel.
 - a. Black version of CXC



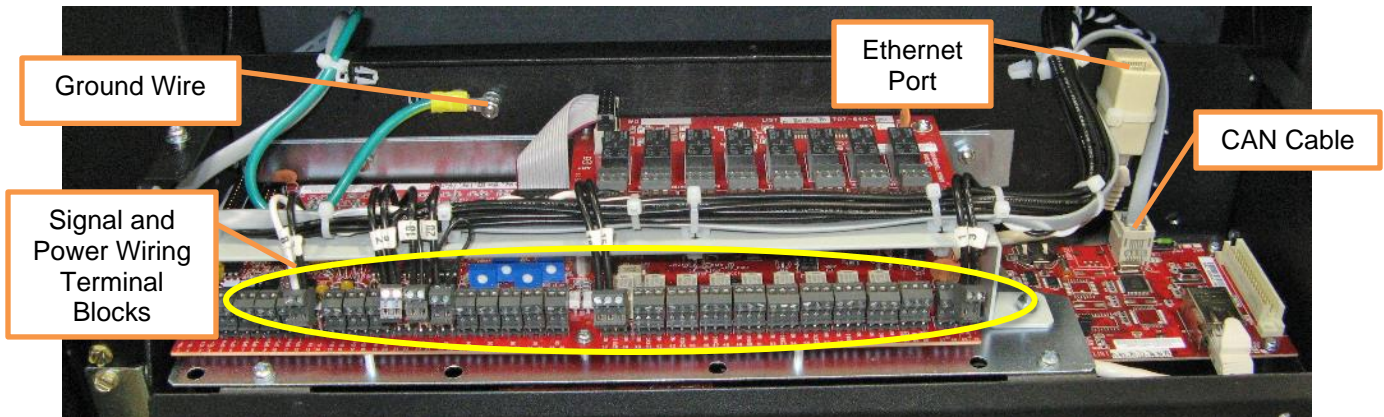
- b. Grey version of CXC



4. Remove the back cover.



5. Cut all the tie wraps securing the controller wiring.



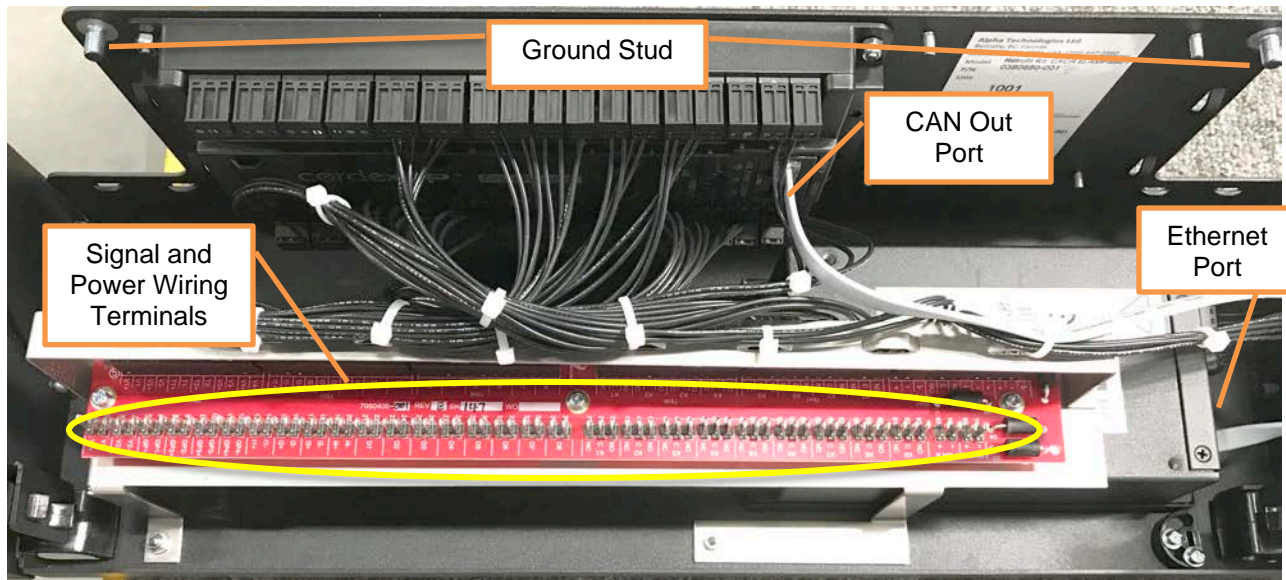
6. Pull the terminal blocks with wires, then disconnect the CAN Cable, ground wire and Ethernet cable (if applicable).
7. Remove the CXCR from the rack and save the mounting hardware for reuse.



8. Mount the CXC HP assembly using the existing hardware.
9. Unlock the CXC HP by pushing the two side tabs at the same time and pull towards you.



10. Locate the signal, power, ground wires, Ethernet and CAN cable connection ports.



11. Reinstall the terminal blocks onto the interface PCB in the same location and order as removed in **Step 6**.

12. Connect ground wire, CAN and Ethernet cables and double check the terminal block positions.



13. Refer to the CXC HP quick start guide to implement the saved information from **Step 2**.

14. Turn the LVD switch back to the "Auto" position.

End of Method of Procedures

For assistance, contact Alpha Technical Support:

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