Alpha Technologies' Method of Procedures:

Field Retrofit kit to replace CXCP with CXC-HP
PN: 0380433-001 / 0380433-002 / 0380433-003

1) Summary

The purpose of this MOP is to detail how to replace a Cordex CXCP controller with CXC-HP controller in an existing Vista power system. This MOP will cover the generic requirements for mounting, system wiring and generic software configuration. The kit 0380433-002 is designed to replace the Cordex CXCP controllers with extended relay output expansion PCB.

2) Safety Precautions

Review the safety instructions in the power system manual, and the battery manufacturer's safety recommendations.

Note: If power system is equipped with an LVD Inhibit switch, turn it to the <u>Override</u>, <u>Manual</u> or <u>Inhibit</u> position.

3) Tools and hardware required

- Slot screw drive [Blade width 3⁄32 in (2.4 mm)]
- #2 Philips screw driver
- Cutter
- Nut drivers [for #10 (Grounding nut) and #8 (Controller mounting nuts)]
- DVM
- Laptop with browser (IE, Fire Fox or Chrome)
- Ethernet cable
- 4" cable tie wraps

4) Preparation

Review the system schematics for the power system. Also identify any additional signal I/O wiring to the existing controller. Note down all the controller wiring positions with reference to wire tag numbers and terminal block position numbers on the controller PCB. Login to the CXCP controller and note the following settings and any other special settings.

- Voltage settings
- Battery settings
- Current settings
- Special settings

5) Controller replacement steps

5.1. Remove the back cover.

5.2. Cut all the tie wraps securing the controller wiring.
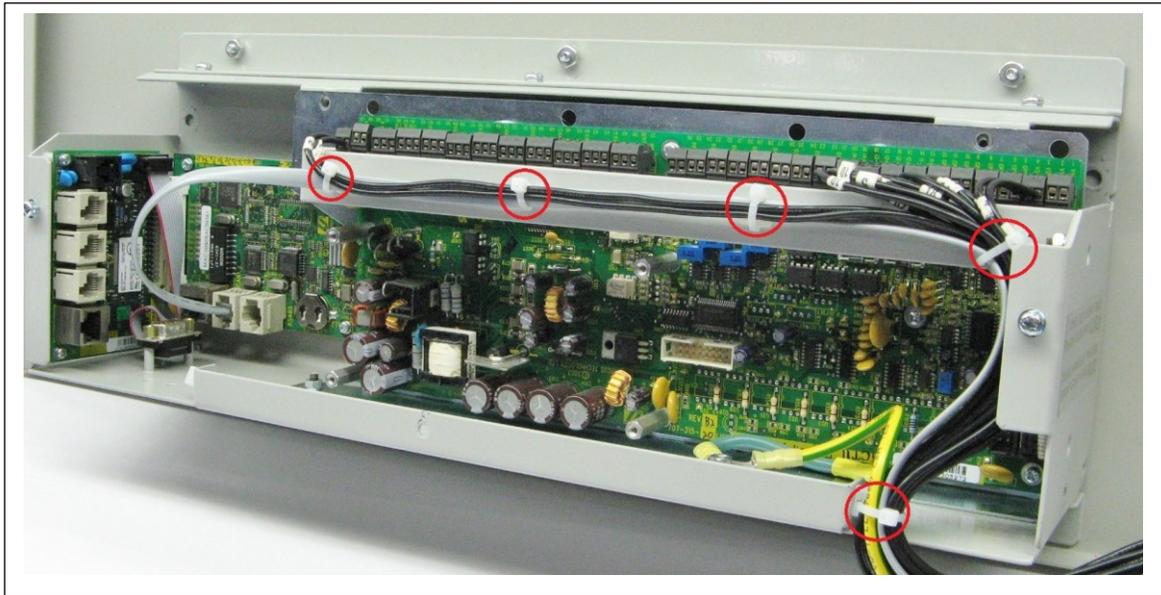
5.3. Pull out the terminal blocks with wires and disconnect CAN, ground wire and Ethernet (if applicable).
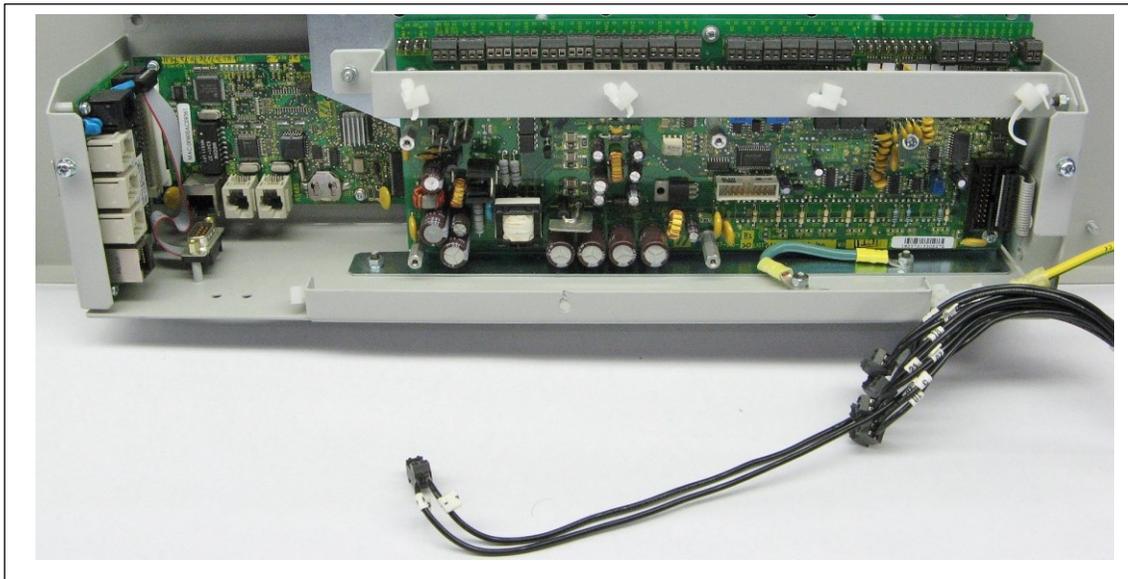

5.4. Remove the CXCP from the door on the Vista power system. (save the hardware to mount the CXC-HP assembly).
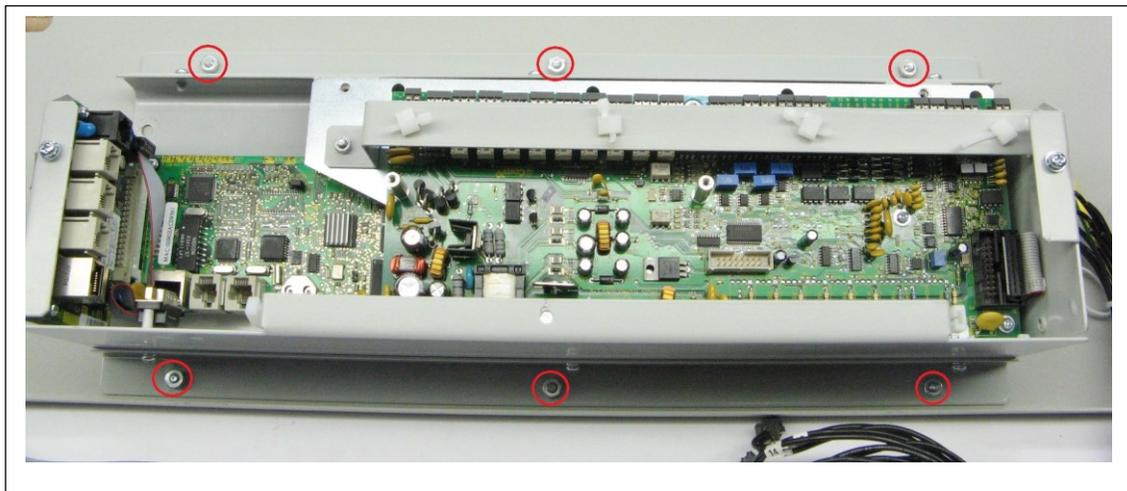
5.5. Mount the CXC-HP assembly using existing hardware.
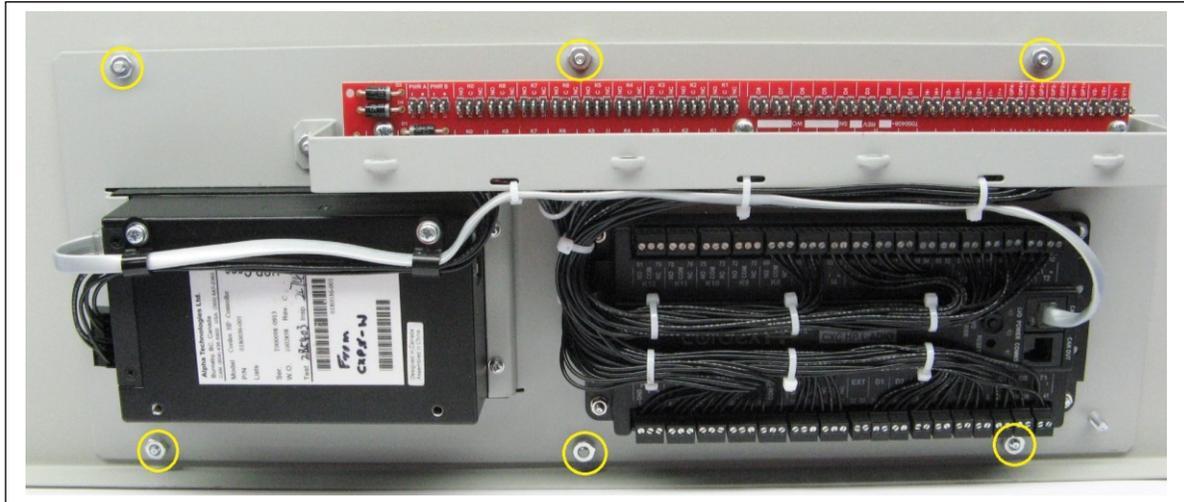
5.6. Connect the relevant terminal blocks, CAN and ground wire according to the schematic drawing and notes.

Note: 0380433-002 remove wiring one at a time from the terminal blocks that removed from relay expansion PCB and connect to the relay outputs terminal blocks on the L-ADIO.

Double check the TB positions and wire connections.
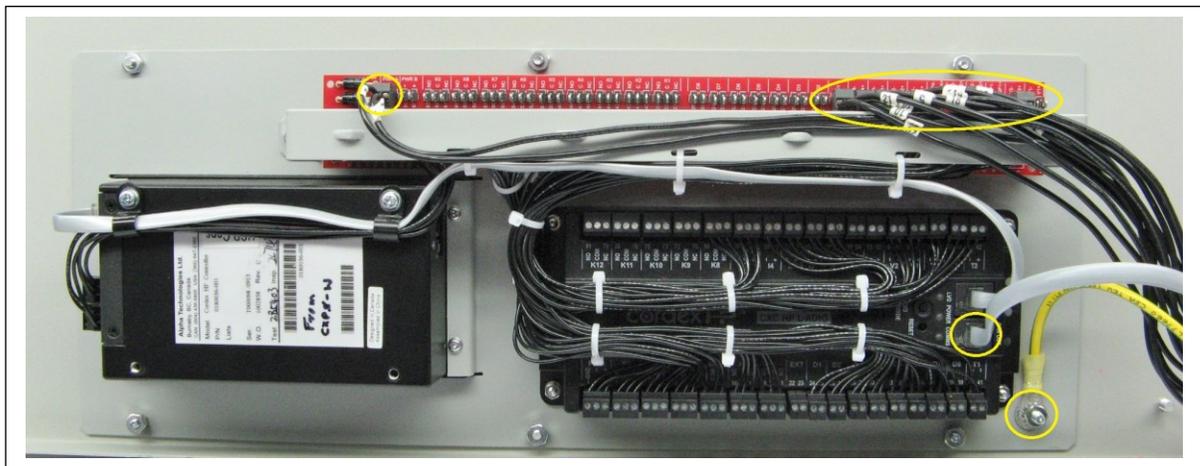
5.7. Re-route the wires neatly and tie them up using tie wraps as needed. Fill the vacant terminal block positions from CXCP.
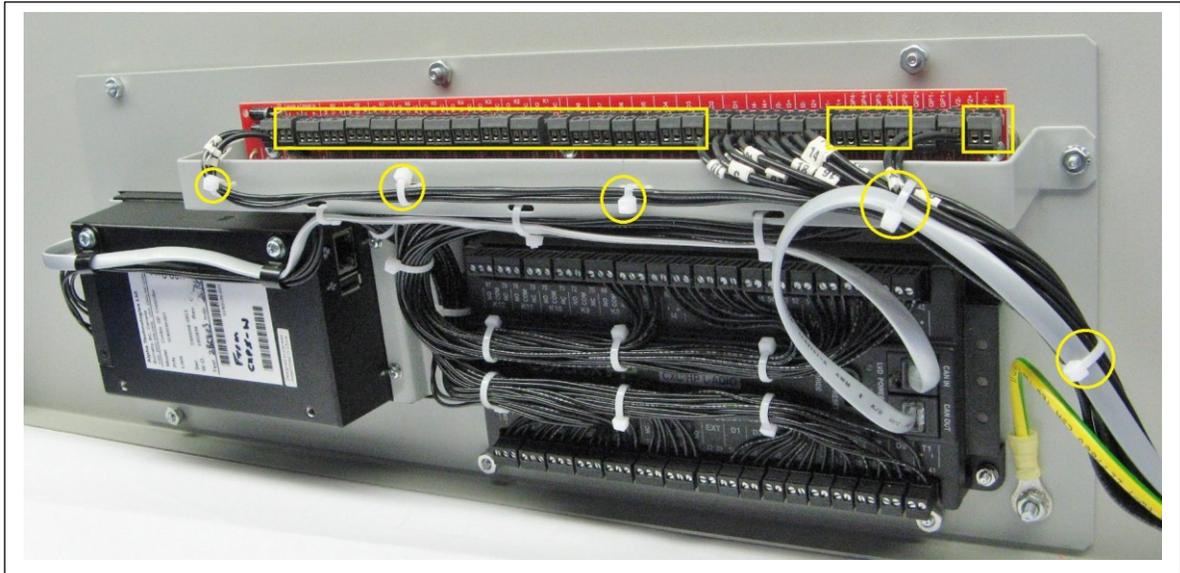
5.8. CXC-HP installation completed.
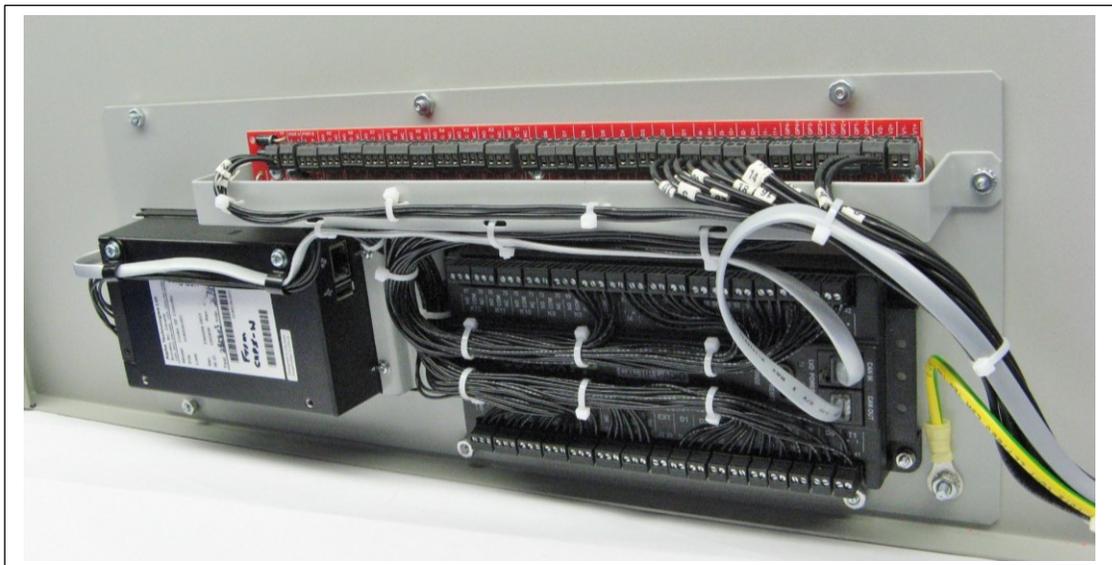
End of Method of Procedures

For assistance, contact Alpha Technical Support:

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