



# CXCM2 Cordex Controller Replacement Procedure

## Summary

This procedure describes the process of removing and replacing the CXCM2 modular controller from the 1.8kW shelf after inhibiting the low voltage disconnect and preserving any custom settings.

Note: Any system software changes made on site would need to be transferred, by backing up the configuration as shown in step 1 and 2. The replacement CXCM2 unit will ship with the factory original configuration specified for your setup.

## Tools/Information Required

- Voltmeter
- Ethernet crossover cable
- Philips screw driver

## Preparing for Removal of CXCM2

1. Save CXC configuration file if necessary (see software manual).

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### Logs & Files > Manage Configuration File

#### Saving the Site Configuration File

Save Full Site Configuration

Saves the current controller site configuration to local disc

Save Custom Site Configuration

Generate a full site configuration file and have the ability to exclude groups of settings.

2. Save CXC text file if necessary.

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**Logs & Files > Manage Editable Text Files**

<b>Save Dynamic Text File</b>	Saves the current dynamic text file to local disc
<b>Upload Dynamic Text File</b>	Sends a predetermined dynamic text file to the controller
<b>Restore Default Dynamic Text</b>	Removes the dynamic text file and re-loads the defaults

**Text Editing** Alarm Labels ▼ **Submit Alarm Text Changes**

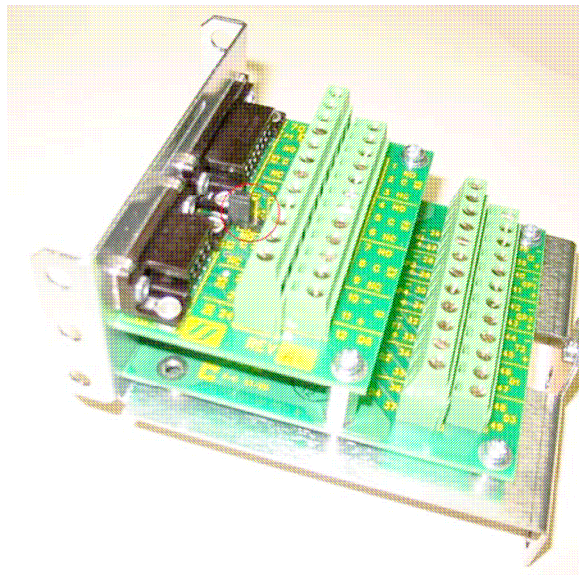
Default Text	Edited Text

### **Bypass system LVD by setting override switch**

**CAUTION:** If the LVD is not bypassed, the DC loads will be shut down when the wiring to the controller is removed. Remove the DB connectors from I/O Terminal Block

3. Standard Customer Connections on the I/O terminal block for the 1.8kW Shelf:

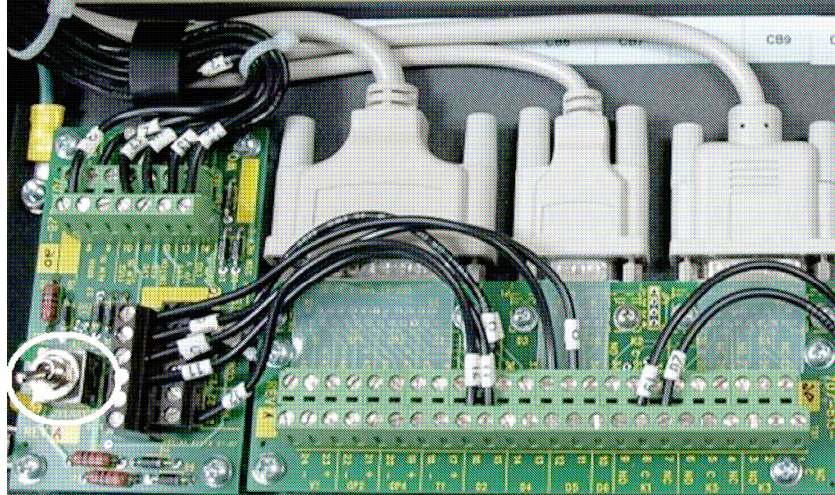
P3 JUMPER SETTINGS (FOR LVD CONTROL INHIBIT FUNCTION):  
SHORT PINS 1 AND 2 IF LVD IS CONTROLLED ON K1-NC CONTACTS TO MAINTAIN OPERATION.  
SHORT PINS 2 AND 3 IF LVD IS CONTROLLED ON K1-NO CONTACTS TO MAINTAIN OPERATION



### 300A UDC Connections:

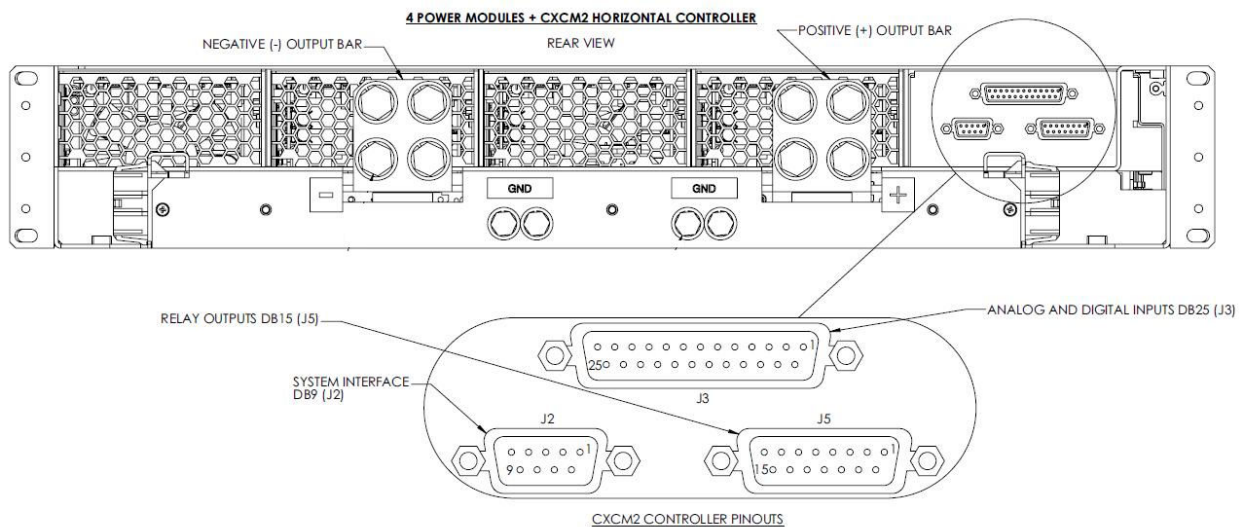
Bypass system LVD by setting override switch on UDC to OVERRIDE.

Remove DB Connectors from the I/O Board.



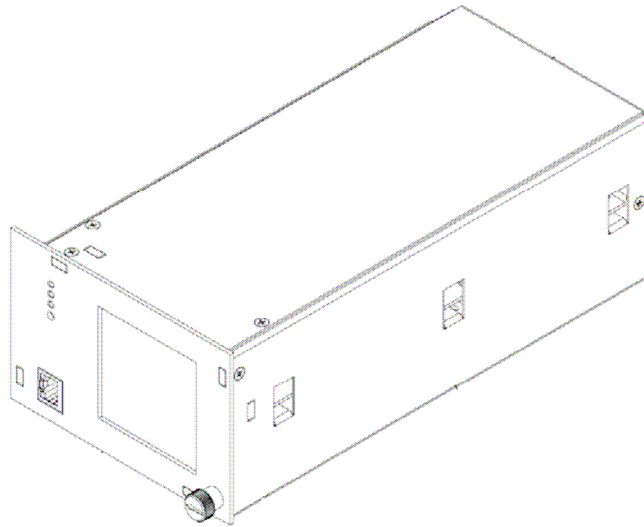
### Removal of CXCM2

4. Remove signal wires (via DB connectors) from CXC.





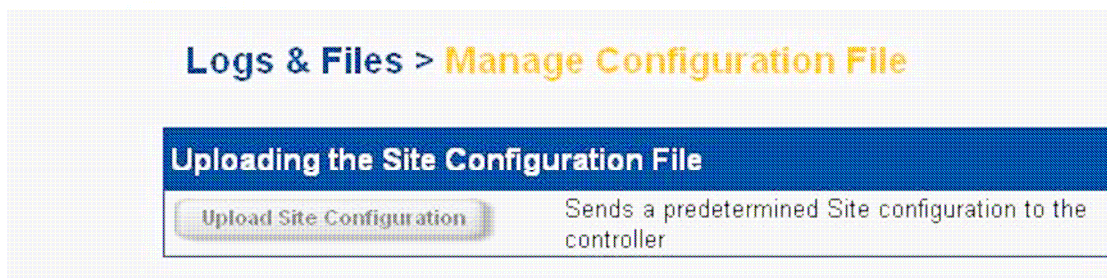
5. To remove CXCM2, turn the screw on the bottom of the faceplate a quarter- rotation clockwise. Grasp thumbscrew and pull out of the shelf.



### **Replacement of CXCM2**

6. To install a CXCM2, place on the top shelf, slide into position, and turn latch (near the bottom of the faceplate) to secure to shelf.  
**CAUTION - Do not push on the LCD.**
7. Connect the DB Connectors at CXCM2 first before connecting back the other end to the UDC I/O Board.
8. Upload original configuration file to restore setup.

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9. Use a meter to verify calibration of the system voltage, temperature and current shunt. Recalibrate if needed following attached calibration procedure.
10. Remove LVD bypass.

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