



## CXRF 48-2.4kW Rectifier Firmware Update v3.01

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Part #: 0100003-001

### **Summary:**

This firmware release addresses the issues that have been observed on the Cordex 48-2.4kW rectifiers. The primary corrections include, improvements to the current limit, power limit and overvoltage protection, improved handling of alarms, improved firmware upgrades, and a fix to the rare case of the controller discovering a “ghost rectifier”. Several optimizations have also been implemented to further enhance functionality.

### **Primary Improvements:**

- Fixed an issue that, when a rectifier was controlled by a CXC HP with software version 3.30 or later, the rectifier’s current limit, power limit, and overvoltage protection limits would sometimes freeze, causing the rectifier to output too little or too much power.
- Fixed several alarm handling issues that caused incorrect, duplicate, and obsolete alarms to be reported, especially upon application or loss of AC power.
- Fixed an issue that, when a rectifier was controlled by a CXC HP with software version earlier than 4.20, the controller would sometimes “discover” a non-existent rectifier, which will remain in “Communications Lost” and mimic a device failure.
- Fixed an issue that, after a firmware upgrade failure, a downgrade was necessary to attempt a retry.
- Fixed a timeout issue where a rectifier would occasionally block communication with the controller.

### **Recommended Action:**

Alpha highly recommends upgrading all Cordex HP 2.4kW rectifier modules with firmware earlier than v3.00 to this latest version. The module firmware update may be easily implemented locally or remotely via the web interface for either the CXC or CXC HP or via the local USB port (**for the CXC HP only**).

The Cordex HP 2.4kW rectifier firmware version 3.01, and the Read Me files are available on Alpha’s website: <http://www.alpha.ca/support/support-main-menu/software-firmware-downloads>

The firmware upgrade instructions for the CXC is available in the readme file. A Method of Procedures on upgrading the firmware using the CXC-HP controllers is also available: [Click here to access the MOP](#).

For additional assistance or if you have any questions regarding this notification, please contact Alpha Technical Support at 1-888-462-7487 or [www.alpha.ca/report-a-problem](http://www.alpha.ca/report-a-problem).

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