



BY JOHNSON CONTROLS

# Service Information

File In/With: 160.00-04 (Supersedes 608 version)	SI0191	
	New	808

Equipment Affected: YK, YR & YS Chillers w/Liquid Cooled SSS, Style "B"

Communications Failures and Bad History Data

## Background

New logic/trigger boards are being used on all Liquid Cooled Solid State Starters (LCSSS). The part number of the new board is 031-02505-00X. The new software is not working properly and in some cases is keeping the LCSSS from communicating with the OptiView Panel. Also, the stored history data is not correct.

## Units Affected:

All models of LCSSS built between 9/07 and 5/08.

## Cause of Failure:

The communications failures may occur when the new LCSSS is first started up in the field. Within the communications string between the LCSSS and the OptiView Panel is the starting current value. A few of the starting current values match the end of communications string command. The end of string command means that the communications will stop. Since, the communications has not really stopped, a communications fault will occur. The other problem is the way information is collected for the fault history data. In this case, the micro-processor does not finish collecting all of the data before sending the fault history data to the OptiView Panel. The result is history data that may have values for the line voltage of 9000 VAC, or output current value is the thousands of amps. These values are not correct.

## Solution for Problem:

A simple solution for the communications fault is to lower the starting current value by one amp. This will change the value of the starting current within the communications string enough so that the value does not match the end of string command.

The software in the 031-02505-00X board was changed to correct these problems. The software version that contains these problems is C.SSS.03.01.

**The part number for the new software is 031-02541-001. The new software version number is C.L03.03.02.**