



Service Information

File In/With:

SI0381

New

318

Equipment Affected: YK Chillers

SC-EQ Firmware 3.1.0.10

OVERVIEW

This new release restores the YK chiller VSD points that were lost with version 3.0.0.1114

To update the firmware on an SC-EQ with version 3.0.0.1114 firmware:

1. Copy the 3.1.0.10SCCUSB_Firmware.pkg update file on to an empty USB thumbdrive.
2. If the chiller is running, put it into Local mode so that the SC-EQ will not affect chiller operation during the firmware update.
3. Insert the USB thumbdrive into the USB port J3 on the SC-EQ. The firmware update will start automatically and the Fault LED will flash quickly during the update process. If it does not start automatically, cycle power to the SC-EQ by removing and re-connecting the power plug on the SC-EQ.
4. When the firmware update is completed, the SC-EQ will reboot (all of the lights will go out then on again). A typical update takes 5+ minutes.
5. Once the SC-EQ Fault LED is off for 30 seconds, the firmware upgrade is complete and the USB thumbdrive may be removed.



Warning if you pull the thumbdrive too early you can corrupt the SC-EQ.

Work on this equipment should only be done by properly trained personnel who are qualified to work on this type of equipment. Failure to comply with this requirement could expose the worker, the equipment and the building and its inhabitants to the risk of injury or property damage.

The instructions on this service bulletin are written assuming the individual who will perform this work is a fully trained HVAC & R journeyman or equivalent, certified in refrigerant handling and recovery techniques, and knowledgeable with regard to electrical lock out/tag out procedures. The individual performing this work should be aware of and comply with all Johnson Controls, national, state and local safety and environmental regulations while carrying out this work. Before attempting to work on any equipment, the individual should be thoroughly familiar with the equipment by reading and understanding the associated service literature applicable to the equipment. If you do not have this literature, you may obtain it by contacting a Johnson Controls Service Office.

Should there be any question concerning any aspect of the tasks outlined in this bulletin, please consult a Johnson Controls Service Office prior to attempting the work. Please be aware that this information may be time sensitive and that Johnson Controls reserves the right to revise this information at any time. Be certain you are working with the latest information.

To update the firmware on an SC-EQ with firmware prior to version 3.0.0.1114 two updates are required:

1. Copy the 3.1.0.10SCCUSB_Firmware.pkg update file on to an empty USB thumbdrive.
2. If the chiller is running, put it into Local mode so that the SC-EQ will not affect chiller operation during the firmware update.
3. Insert the USB thumbdrive into the USB port J3 on the SC-EQ. The firmware update will start automatically and the Fault LED will flash quickly during the update process. If it does not start automatically, cycle power to the SC-EQ by removing and re-connecting the power plug on the SC-EQ.
4. When the firmware update is completed, the SC-EQ will reboot (All of the lights will go out then on again). A typical update takes 5+ minutes.
5. Once the SC-EQ Fault LED is off for 30 seconds, the firmware upgrade is complete and the USB thumbdrive may be removed.



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6. Copy the 3.1.0.10SCCUSB.pkg file on to an empty USB thumbdrive.
7. Insert the USB thumbdrive into the USB port J3 on the SC-EQ. The firmware update will start automatically and the Fault LED will flash quickly during the update process. If it does not start automatically, cycle power to the SC-EQ by removing and re-connecting the power plug on the SC-EQ.
8. When the firmware update is completed, the SC-EQ will reboot (All of the lights will go out then on again). A typical update takes 5+ minutes.
9. Once the SC-EQ Fault LED is off for 30 seconds, the firmware upgrade is complete and the USB thumbdrive may be removed.



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