Firmware Upgrading LQSE-4A-D Modules for Software Improvements

1.0   Overview

As part of Lutron's continuous product improvement, a design change was made in March of 2017 to improve the reliability of the LQSE-4A module. Units manufactured on or after this time (0A8 date code and newer) have this design improvement. A software upgrade for units manufactured prior to March of 2017 is available and can be accessed using the HomeWorks QS programming software, 12.4 or newer.

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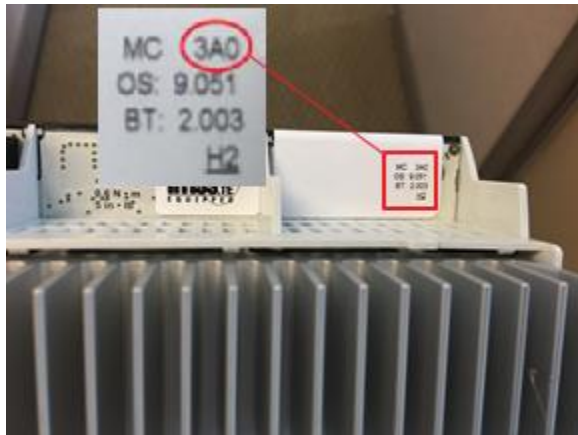## 2.0   Identifying Hardware Revisions of 4A Units

Firmware upgrading of LQSE-4A modules only needs to take place if the site has Revision 1 or Revision 2 hardware. Revision 1 and 2 hardware units were manufactured prior to date code 0A8 (March 2017). Refer to the below image for locating this date code.

NOTE: When upgrading a project, you may be requested to reactivate (press the button on) the connect bridge and perform a transfer this one time. No programming will be lost.

A date code can be decoded as follows:

Letter (Year)	+	Numbers (Week)	= Date Code
Y = 2015			Y30
Z = 2016			Z30
A = 2017		30	3A0
B = 2018			3B0

A date code is a letter representing the year followed by a week number. After 2016, the letter, representing the year, is contained between the two characters of the number, representing the week. The 8th week of 2017, as an example, would be thus shown as 0A8.
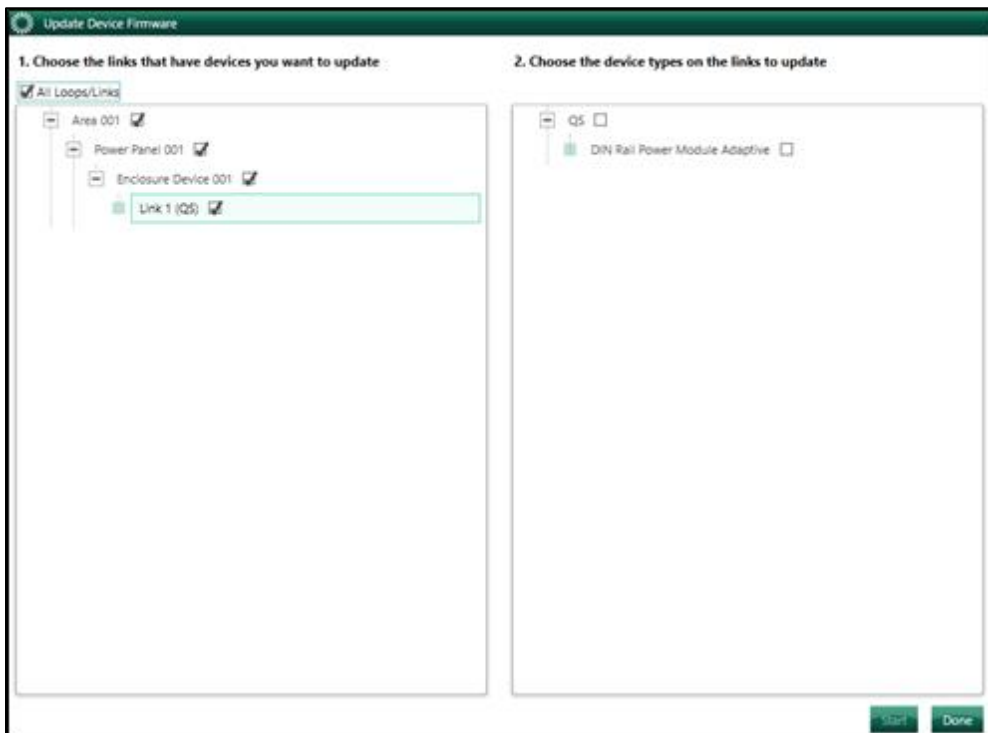
3.0   Firmware Upgrading Revision 1 and 2 Hardware

Firmware upgrading revision 1 and 2 hardware can be done easily using the HomeWorks QS programming software using a built-in firmware update utility. Firmware updating should be performed using software version 12.4 and newer.

NOTE: When upgrading a project, you may be requested to reactivate (press the button on) the connect bridge and perform a transfer this one time. No programming will be lost.

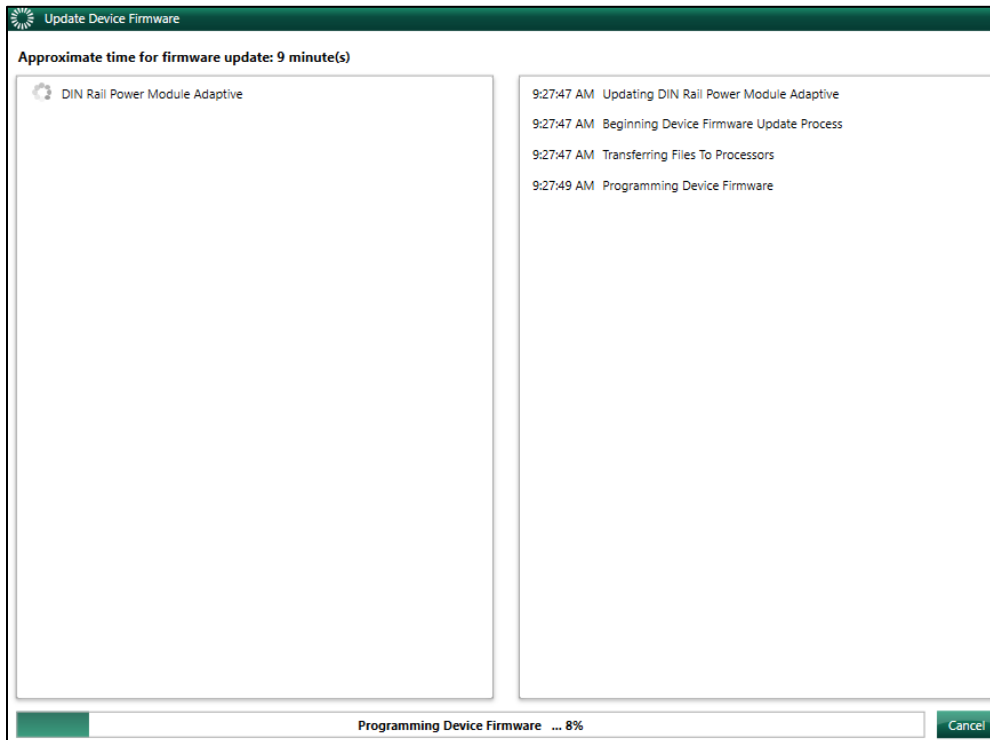Follow these steps to upgrade LQSE-4A-D units:

1. Press **Shift+Control+F5** while on any screen in the HomeWorks QS software to access the advanced firmware update utility.

2. Select the configurable links that have devices that will be receiving a firmware update.

3. Select the LQSE-4A-D devices to upgrade and click "Start". The software will provide an estimate on how long the upgrade process will take. **NOTE:** The firmware upgrade process for an LQSE-4A-D has a duration of 8 to 12 minutes if all hardware is the same revision. For each different revision of hardware, an additional 8-12 minutes would be required.

4. After clicking start, the following screen is displayed as the device firmware is updated:

5. After the process is complete, a green check mark should appear next to the device type. Click done to close the window.