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## Software Patch 1.7.15 Release Notes

Applicable System(s): Sterisil® System G5

Date of Release: 12/8/2020

Date of Note: 12/4/2020

### Overview:

Software version 1.7.15 introduces revised logic to the Sterisil System G5 alarm subsystems to improve the reliability of RO based alarm types for certain customer/ environmental edge cases. Software versions 1.7.15 also contains an update package for the Sterisil system's operating system to prevent sleeping screen errors. Due to the size of software version 1.7.15, this software package requires that a precursory update to version 1.7.14 be installed to allow for 1.7.15 to properly install. No functionality changes were introduced in software version 1.7.15.

### Summary of Issues Addressed by Patch:

The conductivity probe measuring the TDS of the water coming from the RO cartridge has historically alarmed if **either** of the following conditions were met:

1. The stage 3 RO cartridge is not reducing the source water TDS by at least 80%
2. Water coming from the stage 3 RO cartridge is greater than 50ppm TDS

In certain instances, such as a location with very low source water TDS (<50ppm), the RO cartridge would not achieve the 80% reduction and would trigger a consistent alarm despite the water quality being sufficient for proper system operation downstream. The updated alarm logic in this software patch requires that **both** criteria be met in order for a visual and audible alarm to be triggered.

The visual indicators of Stage 3 RO cartridge life have remained the same as previous software versions to allow for users to assess the performance of their cartridge regardless of if such performance no longer triggers an alarm on its own.

The previous version of the operating system used for a core electrical component of the G5 system had susceptibility to touch display/screen failures; namely, the screen going into sleep-mode and being unable to reawaken when interacted with by users. The updated operating system provided with this software patch prevents this error state, so the screen should no longer have difficulty re-awakening from sleep mode when touched.



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**End-User Impact:**

Update v. 1.7.15 to the G5 software will require additional action to be performed by the user to make use of the Sterisil System G5 properly and fully in comparison to prior software versions. Namely, software version 1.7.14 must be downloaded and installed on the desired Sterisil system before software version 1.7.15 can be uploaded.

**Disclaimers:**

This application shall be used strictly in accordance with its intended use within the Sterisil System G5. Users that choose to download this software shall not decompile, reverse engineer, deconstruct, or attempt to derive the source code from the application. User shall not make any modifications, adaptations, or alterations to the software in any way. This application is provided in an “as is” state. User shall acknowledge that the download and reliance of this software is at their sole risk and discretion.

**Contact:**

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