From: Melissa Hamlin

To: DHF 27500442

Date: August 8, 2019

Subject: DYONICS Power II SW Change Request

A number of proposed changes have been identified for the DYONICS Power II Software (73000126). These changes are being requested to satisfy business needs. This memo will serve a Software Change Request

* Change in motor drive strategy to provide power only while the motor is operating. This is a secondary protection for a cable damage scenario. This change is transparent to the motor and end user.
* Configuring the controller to read the motor parameter table from configured handpieces rather than using the onboard motor parameter table. For existing products, there is no change to the location or content of the existing motor parameter tables. Future handpiece motor parameter tables will be verified as part of their development process.
* Incorporate additional software commands for new handpiece button and blade magnet detection. For existing products, there is no change.
* Add capability to store the number of times the DYONICS POWER II-EIP is powered on and a handpiece activated. This information is not accessible from the user interface.
* Allocate non-volatile memory space for storage of device serial number. Add display of serial number to system information page. Provide ability to input serial number via factory test mode.
* Remove support for following products:

|  |  |  |
| --- | --- | --- |
| 6900504 | Basic Shaver | Not active in PR1 |
| 6900759 | Ultralight II | Not active in PR1 |
| 7210542 | DYONICS POWERMAX, Hand control | obsolete 2006 |
| 7210586 | DYONICS POWERMAX, Non-hand control | obsolete 2009 |
| 7205354 | DYONICS POWER, Hand control | obsolete 2006 |
| 7205355 | DYONICS POWER | obsolete 2006 |
| 6900380 | High Torque, Hand control | Not active in PR1 |
| 6900381 | High Torque, Non-hand control | Not active in PR1 |
| 7209820 | Smith & Nephew Hysteroscopic System Footswitch, pedal-style, on/off, with window lock and oscillate buttons | Truclear |

* Remove support for CONDOR control and replace with support for the Connected Tower Bridge control.
* Modify error checking on Handpieces with Hand Controls by generating a Handpiece Sensor Fault warning when communication is lost with the Hand Controls for greater than 100ms and stop the Handpiece motor after ½ second without Hand Control communication. Handpiece Sensor Fault is a warning that is supported in the current commercial release of software.

Change request approval:

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Title | Signature | Date |
| Samarth Mehta | Manager, R&D Electronic Instrumentation |  |  |
| Eva Stewart | Market Manager Resection |  |  |