Software Release Notes

Part Number: SW90126
Description: OZSCR1x00 SCR Controller Firmware
Release Number: 1.11
Release Date: 2/3/2014

New Features:

- Added new "Double Pulse" mode to support firing second pulse(s) 60 degrees after main firing command. This is enabled with the new "Double Pulse Mode" register (4261).

- Added new "Local/External Pulse Enable" register (4260) to explicitly enable/disable local firing and/or external firing through signals out on J16.

- Expanded programmable width of firing pulse (register 4256) up to a maximum of 819.1us. The code protects the local gate drive circuits by disabling the local firing for any pulse width value above 25us.

- Allows Firing Pulse Duration register (4257) to be programmed to Zero, indicating that only a single firing pulse should be generated.

Bug Fixes:

- N/A

Compatibility Notes:

- This version of the OZSCR1x00 firmware must be used with SCC software SW90142 Rev 1.7 or newer.

- This version of the OZSCR1x00 firmware must be used with an SCC configuration file CFG90126-0000 Rev 8.0.0 or newer.

- This version of the OZSCR1x00 firmware must be used with OZSCR1x00 embedded bootloader SW90139 Rev 1.3 or newer.