

SPX9000 Software Release Notes

SPX00032V025.vcn

released: October 2016

- **System**
 - Support for OPT-E9 (Dual port Ethernet board) added
- **Application**
 - **SVCHST01V126(Basic)**
 - Current Limit Warning added A90
 - Under voltage Warning Added A91
 - Overvoltage Warning Added A92
 - Torque Limit Warning Added A93
 - **SVCHST02V135(Standard)**
 - Current Limit Warning added A90
 - Under voltage Warning Added A91
 - Overvoltage Warning Added A92
 - Torque Limit Warning Added A93
 - Added Parameter 1.7.26.1 CurrentRegResp to disable warning ID 757
 - Added Parameter 1.7.26.2 OvervoltRegResp to disable warning ID 758
 - Added Parameter 1.7.26.3 UnderVoltRegResp to disable warning ID 759
 - Added Parameter 1.7.26.4 TorqueRegResp to disable warning ID 760
 - **SVCHST03V127(Local/Remote)**
 - Current Limit Warning added A90
 - Under voltage Warning Added A91
 - Overvoltage Warning Added A92
 - Torque Limit Warning Added A93
 - Added Parameter 1.7.26.1 CurrentRegResp to disable warning ID 757
 - Added Parameter 1.7.26.2 OvervoltRegResp to disable warning ID 758
 - Added Parameter 1.7.26.3 UnderVoltRegResp to disable warning ID 759
 - Added Parameter 1.7.26.4 TorqueRegResp to disable warning ID 760
 - Fixed Current Limit stuck at default setting
 - **SVCHST04V127(Multi-Step)**
 - Current Limit Warning added A90
 - Under voltage Warning Added A91
 - Overvoltage Warning Added A92
 - Torque Limit Warning Added A93
 - Added Parameter 1.7.26.1 CurrentRegResp to disable warning ID 757
 - Added Parameter 1.7.26.2 OvervoltRegResp to disable warning ID 758
 - Added Parameter 1.7.26.3 UnderVoltRegResp to disable warning ID 759



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- Added Parameter 1.7.26.4 TorqueRegResp to disable warning ID 760
- **SVCHST05V133(PID-Control)**
 - Current Limit Warning added A90
 - Under voltage Warning Added A91
 - Overvoltage Warning Added A92
 - Torque Limit Warning Added A93
 - Fix sleep/Wake while using process units
 - Added Parameter 1.7.30.1 CurrentRegResp to disable warning ID 757
 - Added Parameter 1.7.30.2 OvervoltRegResp to disable warning ID 758
 - Added Parameter 1.7.30.3 UnderVoltRegResp to disable warning ID 759
 - Added Parameter 1.7.30.4 TorqueRegResp to disable warning ID 760
- **SVCHST06V138(Multi-Purpose)**
 - Current Limit Warning added A90
 - Under voltage Warning Added A91
 - Overvoltage Warning Added A92
 - Torque Limit Warning Added A93
 - Added Parameter 1.7.38.1 CurrentRegResp to disable warning ID 757
 - Added Parameter 1.7.38.2 OvervoltRegResp to disable warning ID 758
 - Added Parameter 1.7.38.3 UnderVoltRegResp to disable warning ID 759
 - Added Parameter 1.7.38.4 TorqueRegResp to disable warning ID 760
 - Changed 7.21.9,7.21.10,7.21.11 to RMS Values
 - Changed default on 1.7.13 to fault, coast was no action
 - Changed Default on 1.7.37 to 15% was 50%
 - Changed default 1.2.7.18 to A.6 was 0.1
 - Changed default on 1.2.7.13 to 0.1 was A.6
 - Added Force communications input P1.2.7.23 ID 1546, when active this overrides local and remote and puts the drive in communications control and reference
 - Added Output contact interlock input P1.2.7.24 ID 1547 this input will generate F80 when drive has been running for greater than 250ms and this input is low.
 - Added Auto restart tries for F80 output contactor interlock P1.8.13 ID 761
 - Added Fault reaction configuration for F80 P1.7.39 ID 1902
 - Added Motor KW P7.23 ID 1692
 - Added Auto restart tries for F54 Slot Fault P1.8.14 ID 1905
 - Added F53 com fault auto reset parameter P1.8.15 ID 1904 when set to yes any message received over fieldbus will reset the F53 and not any other faults
 - Added P1.3.4.16 Current Supervision Function ID 1906 settings not used, Low Limit, High Limit
 - Added P1.3.4.17 Current Supervision Value ID 1907 min -3000 to 3000
 - Added P1.3.3.33 Current Supervision ID 1908
 - Changed Adjust input to allow negative values, this will allow Subtracting or adding to the base reference, P1.2.1.5 min changed to -100.0 p1.2.1.6 min changed to -100.0

- Changed force local to have priority over force remote and force communications
- SVCHST07V128(PFC)
 - Current Limit Warning added A90
 - Under voltage Warning Added A91
 - Overvoltage Warning Added A92
 - Torque Limit Warning Added A93
 - Added CPX Temp Open Delay P1.2.1.8 ID 1399 from 0 to 5 sec
 - Added 1.8.12 CPX Temp trials ID 1901 min 0 max 10
 - Added Output contact interlock input P1.2.6.23 ID 1547 this input will generate F80 when drive has been running for greater than 250ms and this input is low.
 - Changed Default on 1.7.29 ground fault level to 15% was 50%
 - Added Auto restart tries for F80 output contactor interlock P1.8.13 ID 1902
 - Added Fault reaction configuration for F80 P1.7.30 ID 1903
 - Added Parameter 1.7.31.1 CurrentRegResp to disable warning ID 757
 - Added Parameter 1.7.31.2 OvervoltRegResp to disable warning ID 758
 - Added Parameter 1.7.31.3 UnderVoltRegResp to disable warning ID 759
 - Added Parameter 1.7.31.4 TorqueRegResp to disable warning ID 760
 - Fixed Bug where PID was always active even in local if place A was selected

SPX00032V024.vcn

released: May 2015

- System
 - Added 5 second to delay time on F32 fault to prevent nuisance trips from DC fans on FR9 and larger drives
- Application
 - SVCHST01V126(Basic)
 - None
 - SVCHST02V135(Standard)
 - Run Enable on fault controller bug fixed
 - Dc brake on Run enable Bug fixed
 - SVCHST03V127(Local/Remote)
 - Run Enable on fault controller bug fixed
 - Dc brake on Run enable Bug fixed
 - SVCHST04V127(Multi-Step)
 - Run Enable on fault controller bug fixed
 - Dc brake on Run enable Bug fixed

- **SVCHST05V133(PID-Control)**
 - Run Enable on fault controller bug fixed
 - PID units added P1.2.43
 - PID control is the default reference source for remote
 - Dc brake on Run enable Bug fixed
- **SVCHST06V138(Multi-Purpose)**
 - Run Enable on fault controller bug fixed
 - Added analog output functions
 - Joystick speed output
 - Unit temperature
 - Motor speed %
 - Added CPX Temp Open Delay P1.2.18 ID 1687 from 0 to 5 sec
 - Changed B0 of application status word from not used to “Remote”
 - Assigned General status word ID1700
 - Added Second Run output P1.3.3.31
 - Added Second Fault output P1.3.3.32
- **SVCHST07V128(PFC)**
 - Run Enable on fault controller bug fixed
 - Dc brake on Run enable Bug fixed
 - Scaling factor for Analog output values bug fix.
 - Added kWh meter to the monitor values.

SPX00032V019.vcn

released: March 2014

- **System**
- **Application**
 - **SVCHST01V125(Basic)**
 - Menu Label Bug fix.
 - 9000X Drive System Software Generator.
 - **SVCHST02V133(Standard)**
 - Default switching frequency value changed.
 - Added Ground Fault level setting parameter.
 - Auto Restart Start Delay.
 - Force Local Setting for Digital Inputs.
 - Cold Weather parameter set.
 - 9000X Drive System Software Generator.
 - **SVCHST03V125(Local/Remote)**
 - Jog Speed reference input bug fixed.
 - Motor Pot reference digital input bug fixed.
 - Default switching frequency value changed.
 - Added Ground Fault level setting parameter.
 - Auto Restart Start Delay.

- Force Local Setting for Digital Inputs.
- Force Remote Setting for Digital Inputs.
- Analog input signal inversion setting bug fix.
- 9000X Drive System Software Generator.
- SVCHST04V125(Multi-Step)
 - Default switching frequency value changed.
 - Added Ground Fault level setting parameter.
 - Auto Restart Start Delay.
 - Force Local Setting for Digital Inputs.
 - 9000X Drive System Software Generator.
- SVCHST05V129(PID-Control)
 - Default switching frequency value changed.
 - Added Ground Fault level setting parameter.
 - Auto Restart Start Delay.
 - Force Local Setting for Digital Inputs.
 - Cold Weather parameter set.
 - 9000X Drive System Software Generator.
- SVCHST06V135(Multi-Purpose)
 - Default switching frequency value changed.
 - Added Ground Fault level setting parameter.
 - Auto Restart Start Delay and wait time.
 - Force Local Setting for Digital Inputs.
 - Jog Speed and Fix Frequency setting not able to be set below min frequency.
 - Joystick Reference Forward and Reverse input bug fixed.
 -
 - Reference fault mode bug fix.
 - Fault Reset button bug fixed.
 - Cold Weather parameter set.
 - 9000X Drive System Software Generator.
- SVCHST07V126(PFC)
 - Default switching frequency value changed.
 - Added Ground Fault level setting parameter.
 - Auto Restart Start Delay and wait time.
 - Force Local Setting for Digital Inputs.
 - 9000X Drive System Software Generator.

SPX00032V017.vcn

- System
- Application
 - SVCHST01V123(Basic)
 - SVCHST02V123(Standard)
 - SVCHST03V123(Local/Remote)

- **SVCHST04V123(Multi-Step)**
- **SVCHST05V124(PID-Control)**
- **SVCHST06V128(Multi-Purpose)**
- **SVCHST07V123(PFC)**

Additional Help

In the event additional help is needed:

In the US or Canada: please contact the Technical Resource Center at 1-877-ETN-CARE or 1-877-326-2273.

Location	Contact
United States	Technical Resource Center at 1-877-ETN-CARE or 1-877-326-2273.
Canada	
Europe	

All other supporting documentation is located on the Eaton web site at www.eaton.com



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