

## SVX9000 Software Release Notes

SVX00031V030.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
    - Added Parameter 1.7.26.4 TorqueRegResp to disable warning ID 760



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- **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**

## **SVX00031V029.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 P1.2.1.8 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.

## **SVX00031V025.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.
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  - 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.

**SVX00031V024.vcn**

released: Oct 2013

- System
  - DC bus voltage filtering on 575V FR9 drive.
- Application
  - SVCHST01V123(Basic)
  - SVCHST02V123(Standard)
  - SVCHST03V123(Local/Remote)
  - SVCHST04V123(Multi-Step)
  - SVCHST05V124(PID-Control)

- SVCHST06V128(Multi-Purpose)
- SVCHST07V123(PFC)

## **SVX00031V023.vcn**

release: July 2013

- **System**
  - Updated system software for change in control board from VB00252 to VB00752.
  - Upgraded High Speed functionality >599hz not available.
- **Application**
  - SVCHST01V123(Basic)
  - SVCHST02V123(Standard)
  - SVCHST03V123(Local/Remote)
  - SVCHST04V123(Multi-Step)
  - SVCHST05V124(PID-Control)
  - SVCHST06V128(Multi-Purpose)
  - SVCHST07V123(PFC)

## **SVX00031V021.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](http://www.eaton.com)



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