



PDL ELECTRONICS LTD

SOFTWARE RELEASE NOTE

Elite Series Version 4.7 Production Software Release

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Elite Series Version 4.7 Production Release:

This release note covers the production release of software for the Elite Series drives

Elite Ver 4.7 software covers the product range (refer to screen Z2):

400V Elite from 2.5 to 1250A

500V Elite from 2.5 to 1300A.

The Elite V4.7 software can be used with Control PCBs (PDL Part No. 2001-270) Rev E to Rev O using circuit diagram 0410-201 Rev F to Rev OA and reporting H/W version 1.3 to 4.3 on screen Z2. Version 4.7 software will not work with earlier revision Control PCBs.

Changes from Previous Production Release Software 4.4:

The previous production release of Elite Series software was version 4.4. Changes from this version are:

1. Ground fault default at 10% of Drive rated current. (5% for UE540, UE620 & UE700)
2. Added enumeration for “enable torque limits” when using Device Net.
3. Default switching on all Drives set to 4025kHz.

Changes to Screens:

1. No Changes

Notes for Vysta Users:

1. Added new Vysta timing block with increased resolution (for future Vysta platform development).
2. Protect the Vysta low pass filter from NaN (Not a Number).
3. Improved Vysta dc bus volts scale.

Upgrading from Earlier Version Software:

This software requires hardware revisions noted above. The PCB part number and circuit revision are marked on the PCB next to the 24-volt fuse (under display plate).

Upgrading from earlier versions **will** result in an F18 Data Fault. Re-initialisation in screen Y2 is required. Select the INIT ALL option. This will reset the customer settings to the default (factory) values. **Note:** Record all customer settings before upgrading.

If upgrading from a Control PCB of an earlier revision than Revision E, the Control PCB must be replaced. **Note:** Record all customer settings before installing a new control PCB.

New part number is No. 0410AA47

Software can be updated using PDL DriveLink (PDL part number 0407AA) version 3.0 or later. Refer to General Application Note 4216-056, Using DriveLink.

Drivecomm3 parameter sheets (Data Files) for Elite Series 4.7 version software are available from the PDL Electronics Website. Also refer to General Application Note 4216-059, Using Drivecomm.

Serial Communications EDS files for Elite Series 4.7 version software are available from the PDL Electronics Website.

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