



## PDL ELECTRONICS LTD

### SOFTWARE RELEASE NOTE

#### **Elite Series Version 4.4 Production Software Release**

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### Elite Series Version 4.4 Production Release:

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

Elite Ver 4.4 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 V4.4 software can be used with Control PCBs (PDL Part No. 2001-270) Rev E-N using circuit diagram 0410-201 Rev F to Rev NA and reporting H/W version 1.3 to 4.1 on screen Z2. Version 4.4 software will not work with earlier revision Control PCBs.

### Changes from Previous Production Release Software 4.1:

The previous production release of Elite Series software was version 4.1. Changes from this version are:

1. Added support for the hardware changes to the thermal sense boards of the 400V Frame 3.
2. Improvements to the Inside Delta (Parallel) current measurements. **Note:** Motor connections must be as described in the Elite Series Parallel Drives Technical Manual 4201-247. Reconnection may be required if upgrading to version 4.4 software.
3. Increased torque accuracy for High Slip motors in negative speed.

### Changes to Screens:

1. No Changes

### Notes for Vysta Users:

1. Reduced bar graph flicker.
2. Added new Read function block (for future Vysta platform development).

### 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. 0410AA44

Software can be updated using PDL DriveLink (PDL part number 0407AA) version 2.8 or later. Refer to General Application Note 4216-056, Using DriveLink.

Drivecomm3 parameter sheets (Data Files) for Elite Series 4.4 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 4.4 version software are available from the PDL Electronics Website.

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