












# **D2V Loadbrake Hoist Quick Commissioning Guide**

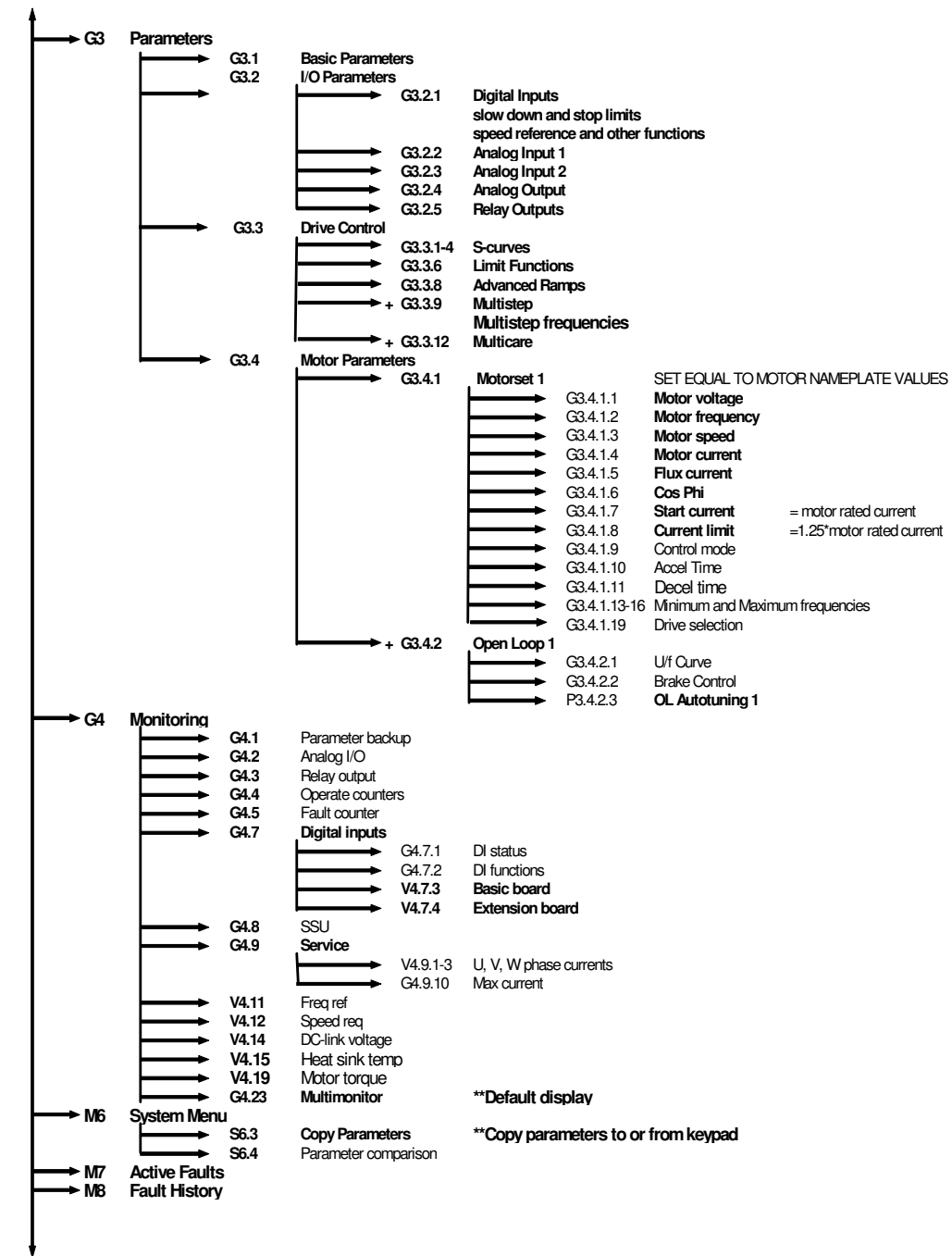
## **Keypad Navigation**

In the parameter addresses mentioned and listed below, the first character in that address will be a letter and is followed by a series of numbers separated by decimal points (i.e. P3.4.1.1). The letter used in the address only describes the type of parameter you are viewing and has no relationship to your location in the menu structure. Parameter navigation is actually completely determined by the numbers and is not dependent upon the letter. Ignore the letter and focus on the numbers and the decimal points separating them.

## **Parameter Value Editing**

When viewing the value of a parameter, press  to enter an edit mode which will cause the value of the parameter to flash. At this point, the  and  are used to scroll up or down a list of possible values. If the parameter is a numeric value, you can press  a second time to select an individual digit and use the  and  to increase or decrease its value. Once the desired setting is achieved, press  to save the change. The saving of the parameter value is confirmed when the value of the parameter stops flashing.

1. When power is applied to the drive, the display should turn on and show a monitoring page with the motor amps, volts, and hertz. If there is an active fault, reference the service manual for troubleshooting tips.
2. Press and hold  until the display shows "Password Level: Engineering." This shortcut works from any location of the menu structure and allows you access to all of the necessary parameters to complete the configuration of the drive.
3. Navigate to the motor parameters, which start @ 3.4.1.1 (use the numbers in the upper left hand corner for current menu location information) and enter all of the motor nameplate information. If flux current is not available 3.4.1.5, set it to 50% of the motor rated current. Also, if motor Cos Phi is not available 3.4.1.6, leave it at its default value. Set 3.4.1.7 to 100% and 3.4.1.8 to 125% of the motor rated current. Verify 3.4.1.9 is set to "**OL Freq Cntl**", 3.4.1.10 "Accel Time1" and 3.4.1.11 "Decel Time1" is set for 1.5 seconds. Confirm parameters 3.4.1.13 and 3.4.1.14 are set to minimum operating frequency, usually 2Hz. Parameters 3.4.1.15 and 3.4.1.16 can be set as high as your motor nameplate frequency. Make sure parameter 3.4.1.19 is set to "**Travel**".
4. Press and hold  until the display shows "OL Autotuning". Then press  until the display shows "Tuning" with arrows scrolling across the screen. The tuning process will not turn the motor or open the brake, it will only magnetize the motor. Once tuning is complete, the display will show "Done."
5. Navigate to the U/f curve parameters @ 3.4.2.1 and increase 3.4.2.1.1 through 3.4.2.1.3 by 25% each. After that, navigate to motor parameters again and change 3.4.1.9 to "**OL Curr Cntl**" and 3.4.1.19 to "**Loadbrake**". Press and hold  to display frequency monitor.
6. Test run the drive to make sure it operates as desired. Double check the motor parameters and desired operating speeds and when functionality is verified, go to parameter 6.3.2 to upload the parameters to the keypad.



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