



ControlLogix Drive Module

(Cat. No. 1756-DMD30)

These release notes correspond to major revision 1, minor revision 19 of the ControlLogix Drive Module firmware. Use this firmware release with:

Software Product:	Compatible Version:
RSLogix 5000 programming software	8.02.00
RSLink software	2.30
RSNetWorx for ControlNet software	3.00
DriveExecutive programming software	1.01

Corrected Anomalies

- Analog Tachometer Scaling - corrected analog tachometer scaling
- Torque Stability - minimized the disturbance of torque that occurs when the module switches from a torque mode to speed mode, making these transitions virtually "bumpless"
- Alpha Tests - made Armature Alpha Reverse and Field Alpha Reverse tests functional
- OK and Drive Fault LEDs - corrected an anomaly that caused the OK and Drive Fault LEDs to display red after power-up
- Stop in Torque Mode - this revision contains corrections to allow a controlled stop while the drive is in torque mode
- Parameter 336 - added parameter 336 [Service Factor] to the Overload Protect group of the Dynamic Control file
- Velocity Integrator - corrected an anomaly in the Velocity Integrator

Restrictions

- 12-pulse Configurations - this revision does not support synchronization of multiple 1756-DMD30/PMI configurations, required for 12-pulse operation

Restrictions (continued)

- SynchLink communication is not available. It will be available in a future version. Parameters and configuration windows, related to SynchLink, will be visible but not functional.
- The SynchLink documentation in the *Drive Module User Manual*, publication 1756-UM522A-EN-P, does not apply at this time

Changes

- Parameter 84 - this revision prohibits you from editing parameter 84 [SpdReg AntiBckup] while the drive is running
- Parameter 102 - changed the default value of parameter 102 [Spd Reg Pos Lim] to 3.0
- Parameter 103 - changed the maximum value of parameter 103 [Spd Reg Neg Lim] to -3.0
- Parameter 129 - removed parameter 129 [Atune Torq Ref] from the Current group of the Torque Control file
- Parameter 130 - changed the name of parameter 130 [Torq Ref Sel], bit 4 to [Actv TorqMode] from [Reserved]
- Parameter 155 - changed the name of parameter 155 [Logic Status], bit 25 to [StartActive] from [Start Latch]
- Parameter 181 - removed the default link between parameter 181 [PI Reference] and parameter 43 [S Curve Spd Ref]
- Parameter 200 - changed the maximum value of parameter 200 [Time Axis Rate] to 20.0
- Parameter 204 - changed the default value of parameter 204 [LimGen Y axis Mx] to 0.25 P.U.
- Parameter 205 - changed the default value of parameter 205 [LimGen Y axis Mn] to 0.05 P.U.
- Parameter 206 - changed the minimum value of parameter 206 [LimGen Y axis In] to -8.0 and changed the maximum value to 8.0
- Parameter 304 - changed the name of parameter 304 [Limit Status], bit 9 to [Mtrng PwrLim] from [PMI Curr Lim]
- Parameter 304 - added bit 25 [Regen PwrLim]

www.rockwellautomation.com

Corporate Headquarters

Rockwell Automation, 777 East Wisconsin Avenue, Suite 1400, Milwaukee, WI, 53202-5302 USA, Tel: (1) 414.212.5200, Fax: (1) 414.212.5201

Headquarters for Allen-Bradley Products, Rockwell Software Products and Global Manufacturing Solutions

Americas: Rockwell Automation, 1201 South Second Street, Milwaukee, WI 53204-2496 USA, Tel: (1) 414.382.2000, Fax: (1) 414.382.4444
Europe: Rockwell Automation SA/NV, Vorstlaan/Boulevard du Souverain 36-BP 3A/B, 1170 Brussels, Belgium, Tel: (32) 2 663 0600, Fax: (32) 2 663 0640
Asia Pacific: Rockwell Automation, 27/F Citicorp Centre, 18 Whitfield Road, Causeway Bay, Hong Kong, Tel: (852) 2887 4788, Fax: (852) 2508 1846

Headquarters for Dodge and Reliance Electric Products

Americas: Rockwell Automation, 6040 Ponders Court, Greenville, SC 29615-4617 USA, Tel: (1) 864.297.4800, Fax: (1) 864.281.2433
Europe: Rockwell Automation, Brühlstraße 22, D-74834 Eitzal-Dallau, Germany, Tel: (49) 6261 9410, Fax: (49) 6261 1774
Asia Pacific: Rockwell Automation, 55 Newton Road, #11-01/02 Revenue House, Singapore 307987, Tel: (65) 351 6723, Fax: (65) 355 1733

U.S. Allen-Bradley Drives Technical Support

Tel: (1) 262.512.8176, Fax: (1) 262.512.2222, Email: support@drives.ra.rockwell.com, Online: www.ab.com/support/abdrives