

Kinetix 350 Single-axis EtherNet/IP Servo Drives, Revision 1.042

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About This Publication

These release notes provide hardware and software enhancements, anomalies, restrictions, and other usage considerations for the Kinetix® 350 Single-axis EtherNet/IP Servo Drive.

Enhancements

This section describes the new and updated firmware features provided in this and previous revisions.

Table 1 - Enhancements with Revision 1.030

Enhancement	Description
Ethernet servo drive communication	The Kinetix 350 drive uses CIP Motion and CIP Sync technology from ODVA, all built on the Common Industrial Protocol (CIP). The EtherNet/IP network uses standard, unmodified Ethernet technology, and helps you effectively manage real-time control and information flow for improved plant-wide optimization, more informed decision-making, and better business performance.

Table 2 - Enhancements with Revision 1.042

Enhancement	Description
Hardware Overtravel Input Checking support	The drive supports attribute 737 - Hardware Overtravel Input Checking. This attribute is a boolean type that controls whether or not the drive regularly checks the state of the positive and negative Hardware Overtravel inputs. When Hardware Overtravel Input Checking is enabled, an inactive Hardware Overtravel input results in an associated Hardware Overtravel Positive or Negative exception. If Drive Hardware Overtravel Checking is disabled, the drive will not check the state of the Hardware Overtravel inputs. A configuration value of 0 will disable the checking, a value of 1 will enable the checking.

Restrictions

This section describes restrictions in this and previous revisions.

Table 3 - Restrictions with Revision 1.030 and 1.042

Restriction	Description
Loss of absolute encoder position	This restriction applies when using RSLogix™ 5000 software in conjunction with a 1756-ENxT ControlLogix® EtherNet/IP module, or 1769-LxxE CompactLogix™ controller, and Kinetix 350 servo drives. When using a multi-turn absolute encoder, if the motor turns more than 1024 revolutions with either the controller or drive powered down, the absolute position will no longer be valid even though the absolute position status bit remains asserted.

Corrected Anomalies

This section describes corrected anomalies associated with this revision.

Table 4 - Corrected Anomalies with Revision 1.042

Corrected Anomaly	Description
Excessive Position Error fault	CORRECTED: The drive posts an Excessive Position Error Fault if immediately enabled after recovery from a network loss or drive power loss. Lgx00121923, Lgx00123540
Brake disengage time	CORRECTED: The drive may not supply sufficient torque to hold a vertical load if the mechanical brake disengage time is set in excess of 2 seconds. Lgx00122052
STO brake engage	CORRECTED: The mechanical brake fails to engage after a safe torque off. Lgx00124297
Drive connection loss	CORRECTED: The drive may not reconnect to the processor after a power loss of the ControlLogix chassis. Lgx00123345

Additional Resources

These documents contain additional information concerning related products from Rockwell Automation.

Resource	Description
Kinetix 350 Single-axis Ethernet/IP Servo Drive User Manual, publication 2097-UM002	Provides information on installing, configuring, starting up, troubleshooting, and specifications for your Kinetix 350 servo drive system.
Kinetix 350 Single-axis Ethernet/IP Servo Drive Installation Instructions, publication 2097-IN008	Information on installing your Kinetix 350 drive system.
Industrial Automation Wiring and Grounding Guidelines, publication 1770-4.1	Provides general guidelines for installing a Rockwell Automation® industrial system.
Product Certifications website, http://www.ab.com	Provides declarations of conformity, certificates, and other certification details.

You can view or download publications at <http://www.rockwellautomation.com/literature/>. To order paper copies of technical documentation, contact your local Allen-Bradley® distributor or Rockwell Automation sales representative.

Allen-Bradley Drives

Rockwell Automation Support

Rockwell Automation provides technical information on the Web to assist you in using its products.

At <http://www.rockwellautomation.com/support>, you can find technical manuals, technical and application notes, sample code and links to software service packs, and a MySupport feature that you can customize to make the best use of these tools. You can also visit our Knowledgebase at <http://www.rockwellautomation.com/knowledgebase> for FAQs, technical information, support chat and forums, software updates, and to sign up for product notification updates.

For an additional level of technical phone support for installation, configuration, and troubleshooting, we offer TechConnectSM support programs. For more information, contact your local distributor or Rockwell Automation representative, or visit <http://www.rockwellautomation.com/support/>.

Installation Assistance

If you experience a problem within the first 24 hours of installation, review the information that is contained in this manual. You can contact Customer Support for initial help in getting your product up and running.

United States or Canada	1.440.646.3434
Outside United States or Canada	Use the Worldwide Locator at http://www.rockwellautomation.com/support/americas/phone_en.html , or contact your local Rockwell Automation representative.

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