



DriveLogix Controller

These release notes correspond to major revision 10, minor revision 16 of the DriveLogix controller firmware. Use this firmware release with:

Software Product:	Compatible Version:
RSLogix 5000 programming software	10.00
RSLinX software	2.30.00 (with Service Pack 1)
RSNetWorx for ControlNet software	3.21
RSNetWorx for DeviceNet software	3.21

Restrictions

This firmware version has these restrictions:

- The Requested Packet Interval (RPI) of the PowerFlex 700S Drive should be set to a value greater than or equal to 4.0 ms. Set this value on the “Connection” tab of the “Module Properties” window for the PowerFlex 700S Drive. The current default setting is 2.0 ms.

ATTENTION



Risk of injury or equipment damage exists. Failure to set the PowerFlex 700S Requested Packet Interval (RPI) to a value greater than or equal to 4.0 ms may cause interruptions of DriveLogix communications to other devices. These devices include the NetLinX daughtercards (1788-CNC, 1788-CNCR, 1788-CNF and 1788-CNFR), the RS-232 port and the local FlexI/O connection. Set the RPI to a value equal to or greater than 4.0 ms.

- Forcing is not supported between the PowerFlex 700S and DriveLogix. The forcing values can be set for the controller inputs and outputs. However, these values will not be used by the Logix Program or will they be transmitted to the PowerFlex 700S.
- If you use an ABL instruction, set the size of the ASCII buffer of the serial port to less than or equal to 255 characters. If you use a larger setting, an ABL instruction may miss the termination character and the status bits may be set to erroneous values.

- The DriveLogix controller can support a 1794-VHSC module only when it is remotely connected to the controller via a 1794-ACNR15 ControlNet adapter module. The 1794-VHSC module will not function if you install it on the local rail.
- We recommend that you use DH-485 communications as follows:
 - If you update the firmware of a controller while it is connected to a DH-485 network, communication on the network may stop. To prevent this, disconnect the controller from the DH-485 network *before* you update the firmware of the controller.
 - Place a DriveLogix controller on a DH-485 network only when you need to add the controller to an existing system. For new systems, use a ControlNet network.
 - While your system is running, use a DH-485 network to send messages between devices (e.g., controllers, PanelView terminals).
 - To use RSLogix 5000 software over a DH-485 network (upload, download, monitor, edit while online), place all controllers in the program mode. Excessive traffic may make it impractical to use RSLogix 5000 software over this network while your system is running.

Corrected Anomalies

In previous revisions of the controller:

- Deleting a Tag While Online Might Have Locked-Up Communication or Caused a Controller Failure

If you deleted an unused tag while online, either of the following failures might have occurred:

- You were unable to communicate with the controller. RSLinx showed a red X over the controller and you were unable to communicate with the controller through either the serial port or another communication module.
- The controller may have become inoperative. (The OK LED of the controller turned solid red.)

The failure could have occurred immediately after you deleted the tag or later on in the execution of the project. A power cycle would temporarily clear the problem.

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