

TB197 (Rev1) - PLC Firmware Compatability Issues

Purpose:

The reason this Tech Bulletin was created was due to the latest release of RTK3, PLCIO2, and DC3IO firmware. It was discovered that it is not compatible with the old versions of IO2PIC firmware on our motion control cards. Symptoms of the incompatibility are IO being recognized in the opposite state at power up (i.e. unclamp, spindle fault). This document will cover which firmware version on a PLCIO2, RTK3, and DC3IO are compatible with which CPU cards. Refer to TB187 to determine the PIC type on the CPU card. This Tech bulletin refers only to CPU cards with IO2PIC's.

CPU Card	PLC Type and Firmware
CPU10b	Works with all firmware versions for the RTK3, PLCIO2, and DC3IO
CPU7, CPU9, CPU10 (IO2PIC 050426)	The newest IO2PIC software for the PIC makes these CPUs compatible with the SXPLCIO2 060301 version of firmware which can be on all three PLC types
CPU 7, CPU9, CPU10 (all previous versions)	Will work with the SXPLCIO2 020819, SXRTK3 030421 or older versions of firmware. (Note: Any PIC version before 050426 will not work with the DC3IO on a CPU7, CPU9, or CPU10)

Document History

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