Date: May 9, 1996  Bulletin No: 96004  Rev: 1.0a

Approvals: CSE  ENG  PPL

Products: ORION MotionBASIC® versions 3.2a and 3.2b

Title: Improper Operation of Axis Level I/O Including Hardware End Of Travel Limits.

Purpose:

To announce a new release of MotionBASIC® which corrects problems with the operation of the ORION hardware end of travel limit inputs and other problems related to axis level I/O.

Revisions Affected

This bulletin applies to MotionBASIC® version 3.2a and 3.2b. Earlier versions of MotionBASIC® used with Generation 3 Model 20 and 40 controllers are NOT affected.

Customers known to have purchased controllers with affected software have been notified of this problem by mail.

Description:

In the affected versions of MotionBASIC®, certain operations such as clearing a high speed sensor boolean variable, will cause the main processor to look at an incorrect address for DSP axis information. This can cause any of the following problems:

1. An axis may ignore a Hardware Overtravel Input (HTL) and continue to command motion.
2. Momentarily (for one DSP update cycle) assert an ELS output (OUT1', OUT2' or OUT3') at an incorrect axis position.
3. Momentarily (for one DSP update cycle) enable the servo drive when it should be disabled.
4. Reset the servo drive improperly.
5. Incorrectly report servo drive alarms.

This problem may result in a hazardous situation that could cause personal injury or damage to equipment. ORMEC strongly recommends that customers exchange or upgrade their PCC-SYS Cards without delay.
**Solution:**

These problems can be corrected by upgrading the PCC-SYS card in your controller to MotionBASIC® 3.2c. Contact ORMEC Service Department at 716-385 3520 for information on how to exchange or upgrade your PCC-SYS card.

**Warranty:**

This upgrade or exchange is covered by warranty and will be completed at no charge to customers.