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**Subject:** Introduction of P316 CAN 16IO

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## Technical Note

### 1. Background:

The P315 CAN 16IO module has been the main 24V Input/Output expansion module for all Motion Coordinators series 2xx and 3xx. Due to the introduction of Lead Free regulations by various governments around the world, the CANbus controller IC used in this product has become obsolete.

Trio have now designed a replacement product, the P316, and are introducing this during the second quarter of 2007.

### 2. Compatibility:

The P316 is 100% hardware and software compatible with the P315. There is no change to the operating specification of the product.

The P316 will work with all models of Motion Coordinator that are fitted with the Trio CAN IO CANbus interface. This includes older products such as the MC204 and MC216.

P315 and P316 CAN 16IO modules may be mixed in any order and any quantity, up to the maximum of 16, within a system.

### 3. Known issues:

Very early versions of MC204 system software may not function reliably with the P316. The version number where operation becomes stable is around version 1.39, so with 1.39 and later the P316 will function correctly. For controllers with system software before 1.39, it is advised that a system software update is done to bring them up to version 1.52.

### 4. Standards:

The P316 is manufactured using lead-free processes and is therefore **RoHS** compliant.

The P315 is UL approved. We have obtained preliminary UL approval for the P316 and have authority to apply the UL recognised mark to the product. UL approval can be applied retrospectively to **all** P316 CAN 16IO modules with or without the UL mark.