

## A P P L I C A T I O N   N O T E

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**Subject:** Power Wiring of Trio MC206 to PLC for Profibus Operation

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Power supply grounding of the Trio Motion Coordinator and PLC is crucial for proper Profibus operation. This application note illustrates the recommended grounding technique.

### Notes:

1. The CAN center point on the MC206 is electrically the same as the metal case on the MC204/216/224. Connection to a good earth must be made on all systems to eliminate noise issues.
2. The 24Vdc return on the MC206 CAN connection to the MC206. This point **MUST** be tied to ALL units and to the PLC.
3. If using 2 separate 24V power supplies for the PLC and MC206, the 24V returns (0V) must be tied together for "hot swapping".
4. Adding the ground jumper connection to the metal part of the Profibus D-shell will provide additional protection for "hot swapping".

