The Application Note is pertinent to the Focus Family

Earth Grounding on Focus
Non-Regenerative DC Drives
F3N2C / F3N2E / F3N5C / F3N5E

The Focus 3 non-regen motor controllers are not isolated from the power circuit. Essentially, circuit common on the control card is connected directly to the A+ terminal of the motor. Therefore, NO terminal connection on the control terminal strip (TB2) can be connected to earth ground in any way, even momentarily. Any earth ground on these terminals will effectively short out the power line through the circuit board traces. The Focus 3 Regenerative drives (F3R2C / F3R2E / F3R5C / F3R5E) are isolated from the power line and therefore, connections on TB2 can be tied to earth ground.
Damage to Focus 3 Circuit Board caused by connecting speed potentiometer to earth ground.

Typical Damaged circuit trace due to earth ground connection on Control terminal strip

Failures of this type are considered Non-Warranty
Solutions to Applications Requiring Control Inputs to be Earth Grounded

Solution #1 – Focus 3 Signal Isolator Board

This option is used in applications where isolation is required between an external control signal and the motor controller (which may or may not be at earth ground potential). It can be utilized to isolate a variety of voltage or current signals (see specifications below). It may also be used simply to isolate the speed adjustment pot, and the pot power supply is included! This option can be mounted in the enclosure or in a piece of plastic track (included with kit).
Solution #2 – Isolation Transformer

Transformer KVA = 2 X Rated Armature Current X 120vac (or 240)

Example: Your DC Motor has a 10A armature

KVA = 1.5 x 10amps x 120 vac = 2.4 KVA (use 2.5KVA)

ANY QUESTIONS / CONCERNS ??

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