

## **MicroNet™ Analog Combo Module Speed Sensing**

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# MicroNet™ Analog Combo Module Speed Sensing

## General

In a case where the MicroNet™ Analog Combo module has a ground fault (non-isolated common on one or more of its input or output dc commons), a high level of noise induced into these dc commons has caused the module's speed-sensing circuitry to intermittently sense erroneous speed levels.

## Recommendations per the Manual

- Correct the system and module-related wiring ground fault condition.



**Do not connect chassis ground or PE ground to signal common.**

From:

MicroNet Simplex Digital Control, MicroNet Plus Digital Control, manual  
26166V2 (Revision H) Section  
15.2.6.1—Shields and Grounding

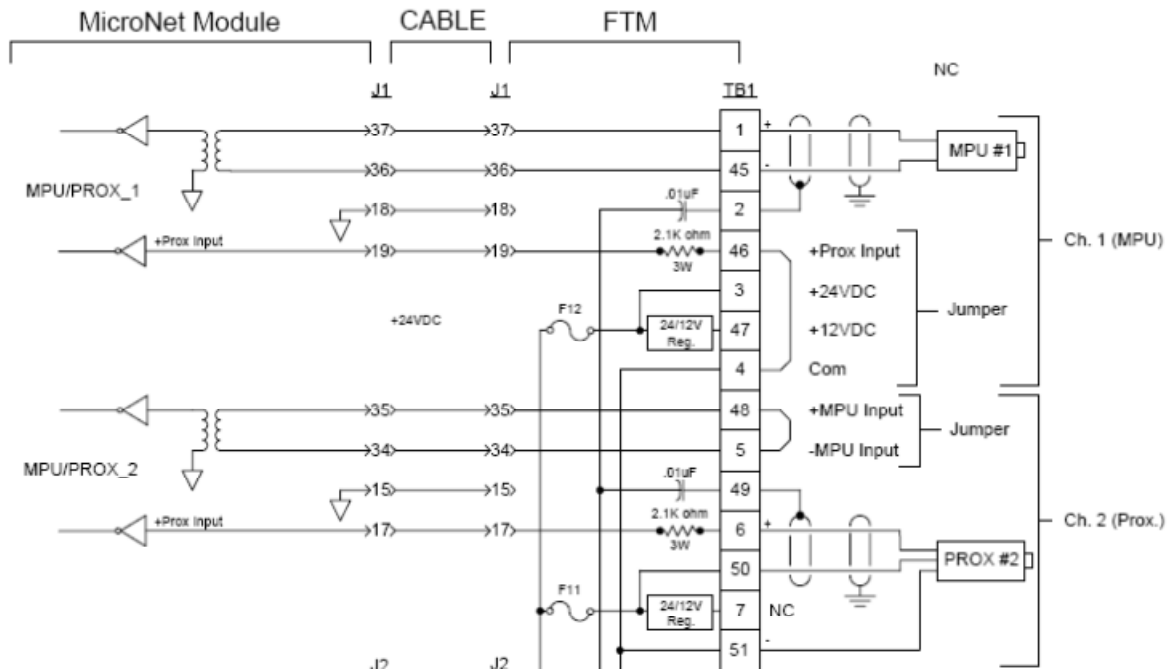
—or—

MicroNet TMR® Digital Control manual 26167V2 (Revision New) Section  
13.2.4—Shields and Grounding

- Addresses sources of noise.  
Refer to:  
MicroNet Simplex Digital Control, MicroNet Plus Digital Control, manual  
26166V2 (Revision H) Section  
15.2—Installation Procedures  
—or—  
MicroNet TMR Digital Control manual 26167V2 (Revision New) Section  
13.2—Installation Procedures
- Installing a wire jumper across any unused MPU or Prox speed input terminals will improve the Analog Combo module's immunity to high levels of noise.

## IMPORTANT

**When a speed sensor input channel has been wired as either MPU or proximity probe input, the unused MPU/Prox must be jumpered at the FTM. When an input channel is not used, both the MPU and Prox inputs must be jumpered.**



From:

MicroNet Simplex Digital Control, MicroNet™ Plus Digital Control, manual 26166V1 (Revision G) Section 9.5, Figure 9-16

—or—

MicroNet TMR Digital Control manual 26167V1 (Revision B) Section 7.7, Figure 7-27

If you have any question about the issue explained above, please contact one of Woodward's facilities and refer to this application sheet number.



## Revisions

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