

Analog I/O Modules for SLC™-based Processors (Catalog Numbers FIO4I and FIO4V)

To the Installer

This publication states compliance with directives required for using analog I/O modules with the CE mark within the European Union or EEA regions. It also provides instructions for grounding cable shields for compliant immunity to electrical noise. Use these instructions as a supplement to the user manual, publication 1746-6.9.

Compliance with European Union Directives

If this product has the CE mark, it is approved for installation within the European Union and EEA regions. It has been designed and tested to meet the following directives.

EMC Directive

This product is tested to meet Council Directive 89/336/EEC Electromagnetic Compatibility (EMC) and the following standards, in whole or in part, documented in a technical construction file:

- EN 50081-2
EMC – Generic Emission Standard, Part 2 – Industrial Environment
- EN 50082-2
EMC – Generic Immunity Standard, Part 2 – Industrial Environment

This product is intended for use in an industrial environment.

Low Voltage Directive

This product is tested to meet Council Directive 73/23/EEC Low Voltage, by applying the safety requirements of EN 61131-2 Programmable Controllers, Part 2 – Equipment Requirements and Tests.

For specific information required by EN 61131-2, see the appropriate sections in this publication, as well as the following Allen-Bradley publications:

- Industrial Automation Wiring and Grounding Guidelines (for noise immunity), publication 1770-4.1
- Guidelines for Handling Lithium Batteries, publication AG-5.4
- Automation Systems Catalog, publication B111

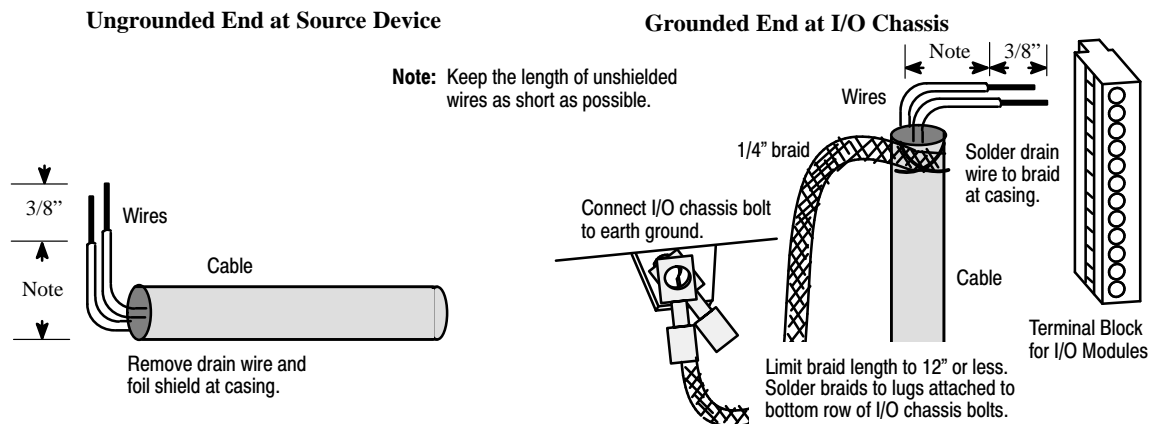
This compliance section will be added immediately preceding the Product Specification section in the next revision of the manual.

Grounding the Cable Shield

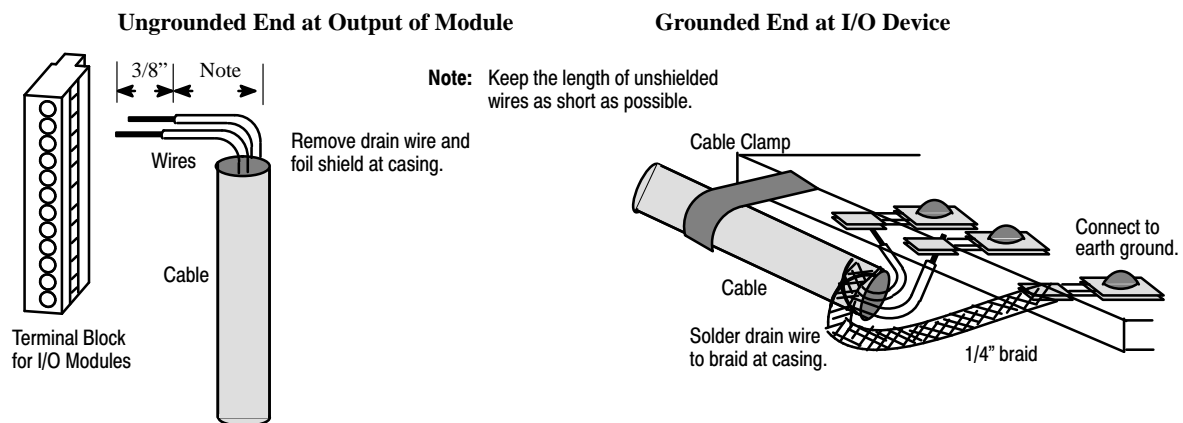
For immunity to electrical noise with CE-marked modules, add the following instructions to the user manual, publication 1746-6.9 chapter 2.

- ground the cable shield to earth ground, at only one end
- use 1/4 inch wide braid for grounding the cable shield
- keep all unshielded wires as short as possible
- if noise persists, ground the opposite end instead (ground one end only)

For Cable Shields Grounded at the I/O Chassis (Input Channels)



For Cable Shields Grounded at the I/O Device (Output Channels)



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Allen-Bradley Headquarters, 1201 South Second Street, Milwaukee, WI 53204 USA, Tel: (1) 414 382-2000 Fax: (1) 414 382-4444