

IMRIO02

System Integration and Verification Reference

The ABB/Bailey IMRIO02 is a remote I/O communications module used with a Multi-Function Processor to communicate with remotely located slave modules in an INFI 90 control system.

Manufacturer	ABB / Elsasg Bailey
Complete model	IMRIO02
Product description	INFI 90 Remote I/O Module
Prepared by	Apter Power
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Three interface paths, one controlled configuration.

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IMRIO02

1. System role

It carries remote I/O communications between the controlling MFP and remote slave-module locations. The module occupies one module-mounting-unit slot and works with the applicable remote-link termination hardware. Actual discrete or analog field signals are processed by the remote slave I/O modules, not by the IMRIO02 itself.

What the product handles

Remote I/O communications link data; field signal types are determined by the connected slave modules.

Required companion components

IMMFP01, IMMFP02 or IMMFP03 Multi-Function Processor; remote slave I/O modules; matching termination and cabling hardware.

Where it is used

Distributed process I/O where field modules are located remotely from the main INFI 90 Process Control Unit.

Pre-installation record

Parameter	Verified value
Identity	Record complete model IMRIO02 and every revision/suffix from the nameplate
Evidence	Retain the cited manufacturer PDF and site-approved drawings
Configuration	Back up the approved controller, network or module configuration
Connections	Label cables, terminals, module positions and field wiring
Commissioning	Define a point-by-point or communication verification plan

2. Installation and commissioning controls

Recommended verification sequence

Parameter	Verified value
1 - Identify	Match the full nameplate and physical construction
2 - Isolate	Follow site lockout, electrical-safety and ESD procedures
3 - Compare	Confirm companion hardware, cables, termination and revision compatibility
4 - Install	Use manufacturer mounting, grounding and environmental requirements
5 - Configure	Restore only the approved configuration and documented settings
6 - Test	Verify communications, diagnostics and every affected process function
7 - Release	Record results and obtain the required site authorization

Model-specific precautions

- An IMRIO22/H-Net modernization is a system change; follow the ABB kit prerequisites and engineering procedure rather than treating it as an undocumented drop-in swap.
- Record the complete remote-link topology, termination hardware and MFP configuration before replacement.
- Verify communications and every affected remote I/O point before returning the system to service.

Manufacturer source PDFs

Manufacturer document	Direct PDF
ABB Harmony Remote I/O Module Upgrade Kit	Open PDF in a new window

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