

IMSPM01

System Integration and Verification Reference

The Elsasg Bailey IMSPM01 is a microprocessor-based INFI 90 Serial Port Module. It provides a serial communications path between a computer and INFI 90 modules installed in a Process Control Unit over the module bus.

Manufacturer	ABB / Elsasg Bailey
Complete model	IMSPM01
Product description	INFI 90 Serial Port Module
Prepared by	Apter Power
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Three interface paths, one controlled configuration.

WHATSAPP / PHONE +86 180 3023 5313
EMAIL sales13@apterpower.com
WEBSITE www.apterpower.com



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1. System role

The IMSPM01 accepts Bailey and EWS commands for module tuning, configuration, status reporting and data transfer. It can communicate with up to 31 modules. One faceplate port supports a direct computer or modem connection; an optional termination unit exposes the second serial channel and a diagnostic-terminal path.

What the product handles

Two full-duplex RS-232C serial channels; it exchanges module configuration, status and process data rather than directly measuring field signals.

Required companion components

INFI 90 Process Control Unit, module bus, optional termination unit, computer or modem, compatible engineering/workstation software.

Where it is used

Commissioning, supervisory data access, module configuration and diagnostics for INFI 90 process-control systems.

Pre-installation record

Parameter	Verified value
Identity	Record complete model IMSPM01 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

- Set baud rate, data bits, stop bits and parity consistently at both ends of the serial connection.
- Verify the termination-unit and cable arrangement before using the second port or diagnostic terminal.
- Use electrostatic-discharge precautions and de-energize the affected cabinet section before module replacement.

Manufacturer source PDFs

Manufacturer document	Direct PDF
Elsag Bailey I-E96-217A IMSPM01 instruction	Open PDF in a new window

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