

NTRL02B

Installation and Verification Reference

NTRL02B is the requested marking for a Bailey INFI 90 fiber-optic remote-link termination unit. Bailey instruction I-E96-429A documents the NTRL02 termination-unit function; the trailing B marking must be verified from the physical assembly because that suffix is not separately decoded in the cited instruction.

Manufacturer	ABB / Bailey Controls
Complete model	NTRL02B
Product description	INFI 90 Fiber Optic Remote Link Termination Unit
Prepared by	Apter Power
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APTER POWER SALES TEAM

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Three interface paths, one controlled configuration.

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1. System role

The termination unit provides the cabinet interface between an IMRIO02 Remote I/O Slave Module and the remote-link/station-link wiring. Its TX and RX connections convert the remote-link path to fiber optics, while P1, P2 and P3 route module and station-link signals to the documented companion hardware.

What the product handles

Fiber-optic remote-link communications and station-link signals. It does not independently measure analog, discrete, thermocouple or RTD field inputs.

Required companion components

IMRIO02 Remote I/O Slave Module, NFTP01 Field Termination Panel, NTCS04 termination unit where analog-bypass station-link service is required, approved fiber-optic cable and documented station/indicator connections.

Where it is used

INFI 90 distributed-control cabinets that require electrically isolated remote I/O or station-link communications between local and remote locations.

Pre-installation record

Parameter	Verified value
Identity	Record complete model NTRL02B and every revision/suffix from the nameplate
Evidence	Retain the named manufacturer publication 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 complete 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 or safety function
7 - Release	Record results and obtain the required site authorization

Model-specific precautions

- Verify that the physical unit is marked NTRL02B and record its complete assembly and revision identifiers.
- Calculate the optical power budget and use Bailey-recommended fiber and connectors for the installed route.
- Confirm P1, P2, P3, TB1, fuse and jumper arrangements against the applicable system drawing before energization.

Manufacturer publications

Manufacturer publication	Source access
Bailey Controls NTRL02/NTRL03 Termination Units, I-E96-429A	Publication cited by title and document number; no third-party URL embedded.

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