4200N

Exact-identity installation and commissioning guide

PRODUCT SCOPE

TRICONEX 4200N is the nuclear-qualified Primary Remote Extender Module mapped to the standard fiber-optic 4200 platform. It is installed in the RXM chassis located near the main chassis.

Verified installation basis

Product role	Primary fiber-optic Remote Extender Module
Qualified designation	4200N
Standard-model mapping	4200
Set designation	4200-3 primary RXM set
Installed location	RXM chassis near the Main Chassis
Supported remote locations	Up to three RXM or expansion chassis per primary set
Remote medium	Point-to-point fiber-optic cabling

Verified related ApterPower product pages

TRICONEX 3502E

TRICONEX 3503E

Pre-work control

Record the installed system before any disconnection

Required checks

- Record the complete TRICONEX 4200N marking and installed position before work.
- Place the controller and affected process function in the approved safe maintenance state.
- Verify the documented system version, companion hardware and interface assigned to 4200N.
- Isolate the applicable controller and field energy in accordance with the approved procedure.
- Inspect connectors, keys, cable assemblies and mechanical retention before installation.
- Install 4200N only in the recorded location without changing the approved architecture.

HOLD POINT

Confirm the complete 4200N identity, installed system record and approved companion hardware before replacement or commissioning.

Evidence to retain

- Complete product and installed-unit marking.
- Approved project, wiring and cabinet records.
- As-found connector, cable, address and diagnostic state.
- Acceptance plan and final results.

Verified related ApterPower product pages

TRICONEX 3504E

TRICONEX 3511

TRICONEX 3624

TRICONEX 3664

TRICONEX 3703E

TRICONEX 3704E

Installation sequence

Use the approved manufacturer procedure and site work controls

1 IDENTIFY

Record the complete TRICONEX 4200N marking and installed position before work.

2 ISOLATE

Place the controller and affected process function in the approved safe maintenance state.

3 RECORD

Verify the documented system version, companion hardware and interface assigned to 4200N.

4 VERIFY

Isolate the applicable controller and field energy in accordance with the approved procedure.

5 INSTALL

Inspect connectors, keys, cable assemblies and mechanical retention before installation.

6 RESTORE

Install 4200N only in the recorded location without changing the approved architecture.

CONFIGURATION CONTROL

Manufacturer installation instructions place the primary 4200 set in the RXM chassis near the Main Chassis and use fiber-optic links to remote RXM locations. A primary set can support up to three remote or expansion chassis, while each RXM chassis includes two Power Modules and up to six I/O slot sets. Fiber channels and ST connector engagement must be preserved exactly.

Verified related ApterPower product pages

TRICONEX 4210

TRICONEX 4329

Commissioning and acceptance

Return each affected function to its approved state

Identity	Record the complete TRICONEX 4200N marking and installed position before work.
Configuration	Install 4200N only in the recorded location without changing the approved architecture.
Physical installation	Restore power under control and confirm the specified indicators, communications and diagnostics.
Functional acceptance	Document the final identity, configuration and functional acceptance results before release.
Diagnostics	Confirm that no unexplained product, communication or system diagnostic remains.
Release record	Document the final configuration, observed states, test results and responsible technician.

Verified related ApterPower product pages

- TRICONEX 4119A
- TRICONEX 8312
- TRICONEX 4000188-320
- TRICONEX 4000188-310

Handover record

Traceable evidence for the installed product

Final acceptance

- Inspect connectors, keys, cable assemblies and mechanical retention before installation.
- Install 4200N only in the recorded location without changing the approved architecture.
- Restore power under control and confirm the specified indicators, communications and diagnostics.
- Document the final identity, configuration and functional acceptance results before release.

Manufacturer evidence used

- TRICONEX Planning and Installation Guide for Tricon v9-v11 Systems, document 9720100-012.
- TRICONEX Technical Product Guide, document 9791007-013.
- TRICONEX Field Terminations Guide for Tricon v9-v10 Systems, document 9700052-018.

Verified related ApterPower product pages

TRICONEX 8311

TRICONEX 4329G

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