

4119A

Enhanced Intelligent Communication Module

CONTROLLED ENGINEERING COPY

Record port mode, baud rate, station addressing, alias assignments, and termination before replacing 4119A; restore each interface separately and review TX/RX diagnostics.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	4119A
Manufacturer part	4119A
Hardware type	4119A isolated
System family	Tricon communication



APTER POWER SALES TEAM

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



01 PRE-INSTALLATION PLAN

- 1

Verify 4119A and the exact logical communication slot before module removal.
- 2

Record the selected electrical interface and protocol for each of the four serial ports.
- 3

Isolate or silence connected serial devices before moving RS-232, RS-422, or RS-485 cables.
- 4

Preserve RS-485 polarity, termination, trunk length, and station addressing.
- 5

Export the TriStation alias list used by every Modbus read or write.

MATCHED HARDWARE

- Tricon main chassis logical communication slot
- RS-232/RS-422/RS-485 field network
- TriStation engineering station
- Modbus devices with assigned aliases

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	4119A / 4119A recorded
Physical interface	Tricon main chassis logical communication slot
Companion check	RS-232/RS-422/RS-485 field network
Functional proof	Connects the Tricon controller to Modbus masters, slaves, TriStation, and printers
Application test	Modbus master connection to a Tricon controller

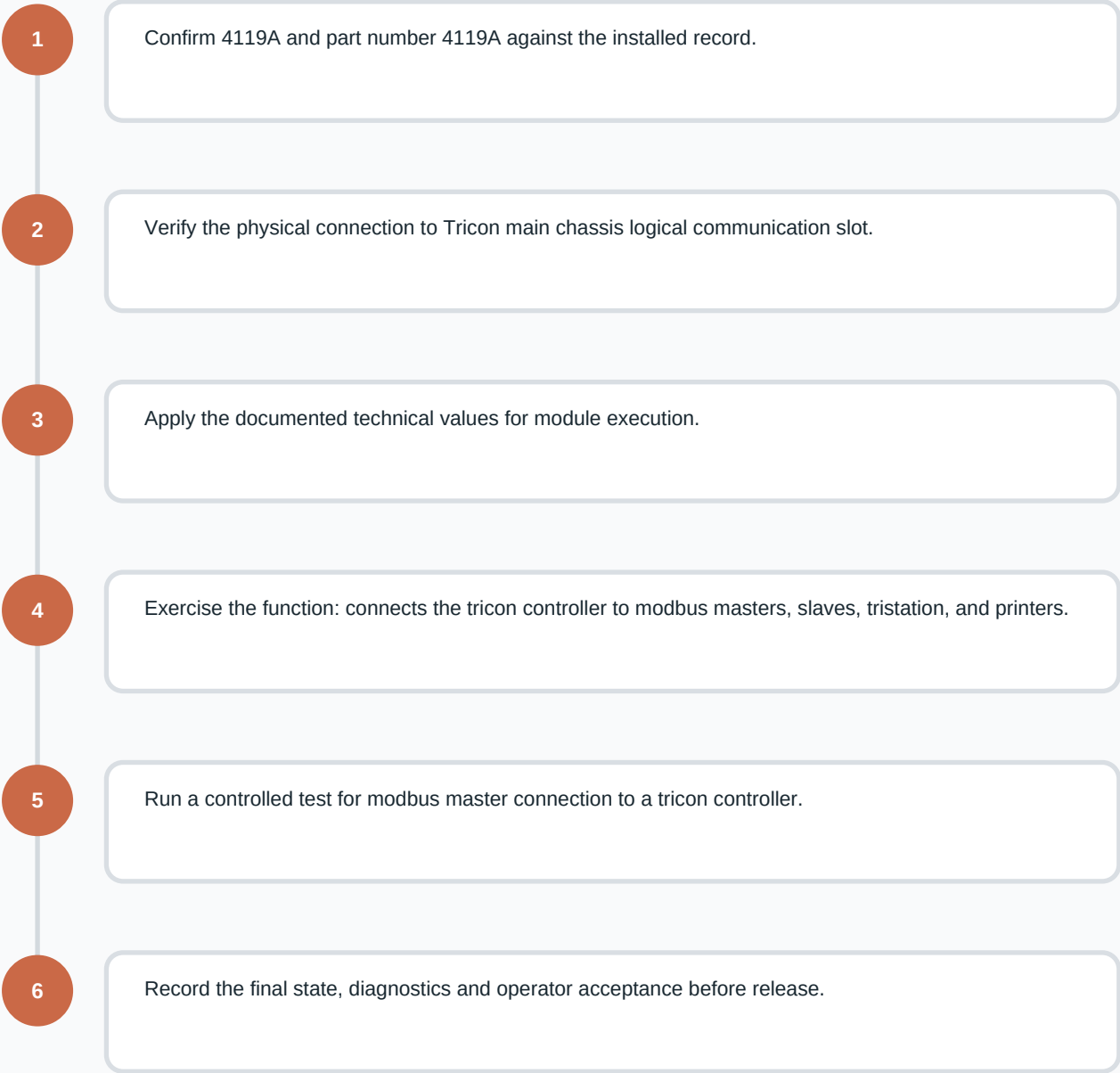
02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
Module execution	4119A isolated
Serial ports	4
Serial interfaces	RS-232; RS-422; RS-485
Parallel ports	1 isolated Centronics
Port isolation	500 VDC
Protocols	TriStation; Modbus
Modbus modes	RTU; ASCII
Serial speeds	1200; 2400; 9600; 19200 baud
Aggregate data rate	57.6 kbit/s
RS-485 slaves	Up to 32
RS-485 trunk length	4000 ft (1200 m) maximum
EICMs per Tricon system	2 maximum in one logical slot
Hot-spare operation	Not supported
Online replacement	Supported

FIELD NOTE

Record port mode, baud rate, station addressing, alias assignments, and termination before replacing 4119A; restore each interface separately and review TX/RX diagnostics.

03 COMMISSIONING WORKFLOW



COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	4119A / 4119A recorded
Physical interface	Tricon main chassis logical communication slot
Companion check	RS-232/RS-422/RS-485 field network
Functional proof	Connects the Tricon controller to Modbus masters, slaves, TriStation, and printers
Application test	Modbus master connection to a Tricon controller

04 RETURN-TO-SERVICE RECORD

- ☐ Do not configure two EICMs as a hot-spare pair; they operate without that feature.
- ☐ Restore one port at a time and verify the corresponding TX and RX indicators.
- ☐ Confirm permitted Modbus functions and printer output before returning communications to service.
- ☐ Confirm the intended process response before normal operation.

VERIFICATION RECORD

TECHNICIAN

DATE

CABINET / POSITION

FINAL DIAGNOSTIC STATE

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
Triconex 4329	Network Communication Module	Open product page
Triconex 4210	Remote Extender Module Set	Open product page
Triconex 3008	Main Processor Module	Open product page

SOURCE IDENTIFIERS

Tricon Systems Technical Product Guide
9791007-013

APTER POWER SALES TEAM

WHATSAPP / PHONE+86 180 3023 5313

EMAILsales13@apterpower.com

WEBSITEwww.apterpower.com

