

4351B

Tricon Communication Module (TCM)

CONTROLLED ENGINEERING COPY

Confirm the Tricon release, logical-slot model compatibility, port assignments and network addressing before replacement; verify PASS/FAULT/ACTIVE/FIRM plus LINK/TX/RX activity after commissioning.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	4351B
Manufacturer part	4351B
Hardware type	Tricon Communication Module (TCM)
System family	Tricon v10.3 and later communication
HS code	8537101190



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01 PRE-INSTALLATION PLAN

- 1

Verify the 4351B marking and Tricon v10.3-or-later compatibility before removal.
- 2

Record the logical slot, serial-port mode, IP settings and connected network identity.
- 3

Isolate or place the affected communication paths in the approved maintenance state.
- 4

Preserve DB-9 serial wiring, RJ-45 network segregation and the documented grounding arrangement.
- 5

Do not mix incompatible TCM models in one logical slot or exceed the system TCM allocation.

MATCHED HARDWARE

- Tricon v10.3 or later controller
- Two approved logical TCM slots
- TriStation engineering station
- Modbus masters/slaves and copper Ethernet network

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	4351B / 4351B recorded
Physical interface	Tricon v10.3 or later controller
Companion check	Two approved logical TCM slots
Functional proof	Connects a Tricon controller with TriStation, Modbus devices and external hosts
Application test	TriStation engineering communications

02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
Module type	Tricon Communication Module (TCM)
System compatibility	Tricon v10.3 and later
Serial ports	4 RS-232/RS-485, DB-9
Network ports	2 RJ-45 copper Ethernet, 10/100 Mbps
Port isolation	500 VDC
Serial speed	Up to 115.2 Kbps per port
Aggregate serial data rate	460.8 Kbps for four ports
Protocols	TriStation; Modbus; TCP/IP; ICMP; SNTP; TSAA; Trimble GPS; peer-to-peer; Jet Direct
Hot-spare operation	Not supported; online replacement supported
Status indicators	PASS; FAULT; ACTIVE; FIRM; LINK; TX; RX

FIELD NOTE

Confirm the Tricon release, logical-slot model compatibility, port assignments and network addressing before replacement; verify PASS/FAULT/ACTIVE/FIRM plus LINK/TX/RX activity after commissioning.

03 COMMISSIONING WORKFLOW



COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	4351B / 4351B recorded
Physical interface	Tricon v10.3 or later controller
Companion check	Two approved logical TCM slots
Functional proof	Connects a Tricon controller with TriStation, Modbus devices and external hosts
Application test	TriStation engineering communications

04 RETURN-TO-SERVICE RECORD

- ☐
- Use ESD controls and inspect the keyed module, backplane and network connectors.

☐☐☐

VERIFICATION RECORD

PRODUCT IDENTITY	4351B
INSTALLED POSITION	Documented Tricon v10.3 and later communication position
VERIFICATION METHOD	Controlled inspection and functional test
RELEASE RECORD	Final diagnostic state retained before service

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
Triconex 4119A	Enhanced Intelligent Communication Module	View Triconex 4119A page
Triconex 4329	Network Communication Module	View Triconex 4329 page
Triconex 3008	Main Processor Module	View Triconex 3008 page
Triconex 3700A	Analog Input Module	View Triconex 3700A page
Triconex 9662-810	Digital Output Termination Panel	View Triconex 9662-810 page
Triconex 4000103-510	Communication Module	View Triconex 4000103-510 page
Triconex 3000510-180	I/O Module	View Triconex 3000510-180 page
Triconex 9771-210	Termination Panel	View Triconex 9771-210 page

SOURCE IDENTIFIERS

Tricon Systems Technical Product Guide and Triconex Lifecycle Phase Report
9791007-013, Product Specifications pp. 26-27; lifecycle report entry for 4351B

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