

4000103-510

Analog/Pulse I/O Cable Assembly

CONTROLLED ENGINEERING COPY

Match both cable ends to the approved panel and module, maintain at least the documented bend radius, and perform continuity plus channel-identity checks before reconnecting live field circuits.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	4000103-510
Manufacturer part	4000103-510
Hardware type	4000103-510
System family	Tricon external termination cabling



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01 PRE-INSTALLATION PLAN

- 1

Verify the complete 4000103-510 cable label at both cabinet ends.
- 2

Place all connected analog or pulse channels in the approved maintenance state.
- 3

Isolate field and chassis energy before releasing either connector.
- 4

Record panel model, module slot, connector orientation, and channel range.
- 5

Maintain a bend radius of at least 6.25 inches throughout the final route.

MATCHED HARDWARE

- 9753-110 pulse panel
- 9761/9762 current-input panels
- 9763/9764/9765/9766 analog-input panels
- 9771-210 user-configurable current-input panel

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	4000103-510 / 4000103-510 recorded
Physical interface	9753-110 pulse panel
Companion check	9761/9762 current-input panels
Functional proof	Connects listed analog or pulse termination panels to the Tricon I/O backplane
Application test	Pulse-panel backplane connection

02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
Cable assembly number	4000103-510
Minimum bend radius	6.25 in (15.875 cm)
Pulse panel	9753-110
Current-input panels	9761-210; 9761-410; 9762-210; 9762-410
Analog-input panels	9763-810; 9764-310; 9765-610; 9766-210; 9766-510
User-configurable panel	9771-210
Additional panel	9792-610

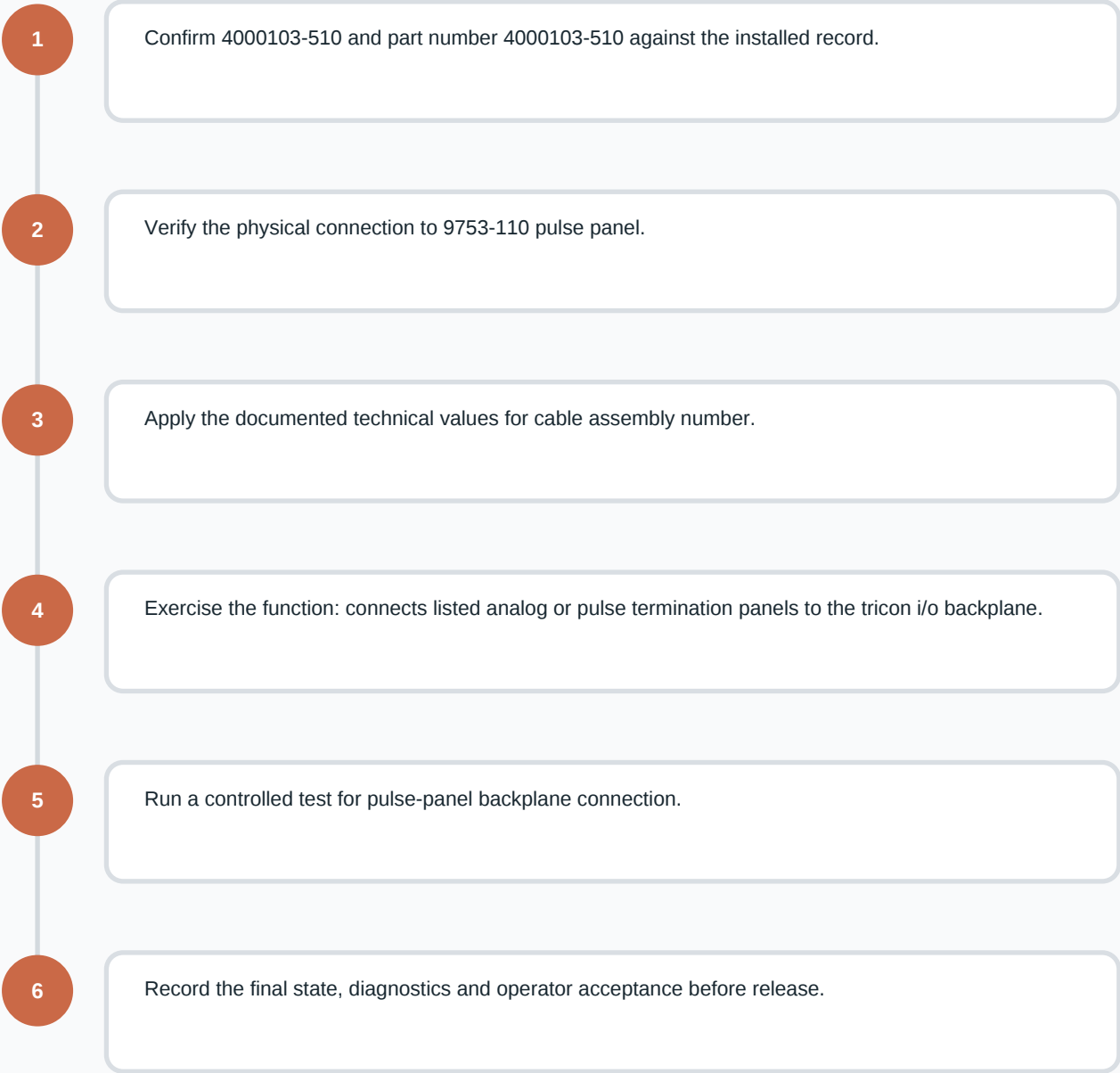
SYSTEM CONNECTION RECORD

CONNECTION ITEM	DOCUMENTED ASSIGNMENT
Installed host / carrier	9753-110 pulse panel
Companion hardware	9761/9762 current-input panels
Field connection	9763/9764/9765/9766 analog-input panels
Primary system function	Connects listed analog or pulse termination panels to the Tricon I/O backplane
Controlled acceptance duty	Pulse-panel backplane connection

FIELD NOTE

Match both cable ends to the approved panel and module, maintain at least the documented bend radius, and perform continuity plus channel-identity checks before reconnecting live field circuits.

03 COMMISSIONING WORKFLOW



COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	4000103-510 / 4000103-510 recorded
Physical interface	9753-110 pulse panel
Companion check	9761/9762 current-input panels
Functional proof	Connects listed analog or pulse termination panels to the Tricon I/O backplane
Application test	Pulse-panel backplane connection

04 RETURN-TO-SERVICE RECORD

- ☐ Do not pair the cable with a panel absent from the official cross-reference.
- ☐ Check pin continuity, connector retention, shielding, and channel identity after routing.
- ☐ Prove representative signal values at the controller before returning the cable 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 3504E	High-Density Digital Input Module	Open product page
Triconex 3008	Main Processor Module	Open product page
Triconex 4210	Remote Extender Module Set	Open product page
Triconex 4119A	Enhanced Intelligent Communication Module	Open product page

SOURCE IDENTIFIERS

Field Terminations Guide for Tricon v9-v10 Systems
9700052-018, February 2009

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