

9753-110

Pulse Input / Pulse Totalizer Termination Panel

CONTROLLED ENGINEERING COPY

Select the eight-point PI or sixteen-point PTI wiring arrangement before landing conductors; short unused PI points and preserve the documented shield and terminating-resistor practice.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	9753-110
Manufacturer part	9753-110
Hardware type	Basic
System family	Tricon v9-v10 field termination



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01 PRE-INSTALLATION PLAN

- 1

Verify 9753-110 and the selected PI or PTI duty before moving field conductors.
- 2

Place the rotating equipment and associated trip logic in the approved maintenance state.
- 3

Use IN+ and IN- as a balanced pair and retain the documented shield termination.
- 4

Short every unused pulse-input point as required by the field termination guide.
- 5

For 3515 service, use the approved sensor-output type and individually shielded pairs where required.

MATCHED HARDWARE

- 3510 or 3511 pulse-input module
- 3515 pulse-totalizer input module
- 4000103-510 backplane cable
- shielded twisted-pair field wiring

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	9753-110 / 9753-110 recorded
Physical interface	3510 or 3511 pulse-input module
Companion check	3515 pulse-totalizer input module
Functional proof	Terminates eight balanced pulse-input channels from magnetic speed sensors
Application test	Turbine and compressor magnetic speed pickup termination

02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
Panel type	Basic
Pulse-input points	8
Pulse-totalizer points	16
Pulse-input terminals	Differential IN+ / IN-
Compatible PI modules	3510; 3511
Compatible PTI module	3515
3510 frequency / update	20 Hz to 20 kHz / 50 ms typical
3511 frequency / update	20 Hz to 20 kHz / 25 ms typical
3515 frequency	0 to 1 kHz
3515 module points	32
Panel width	3 in (7.62 cm)
Panel length	5 in (12.7 cm)
Panel height	4.25 in (10.795 cm)
Associated cable	4000103-510

FIELD NOTE

Select the eight-point PI or sixteen-point PTI wiring arrangement before landing conductors; short unused PI points and preserve the documented shield and terminating-resistor practice.

03 COMMISSIONING WORKFLOW



COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	9753-110 / 9753-110 recorded
Physical interface	3510 or 3511 pulse-input module
Companion check	3515 pulse-totalizer input module
Functional proof	Terminates eight balanced pulse-input channels from magnetic speed sensors
Application test	Turbine and compressor magnetic speed pickup termination

04 RETURN-TO-SERVICE RECORD

- ☐ Confirm one panel serves eight PI points or sixteen PTI points; do not interchange the channel labels.
- ☐ Inspect cable 4000103-510 seating and maintain its minimum bend radius.
- ☐ Prove count direction, frequency or RPM scaling, and the intended trip response before release.
- ☐ 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
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