

INDUSTRIAL AUTOMATION PRODUCT

9753-110

Pulse Input / Pulse Totalizer Termination Panel

Triconex 9753-110 is a basic termination panel for pulse-input and pulse-totalizer modules. It routes field pulse signals to the selected Tricon processing module.

IDENTITY	VERIFIED VALUE
Manufacturer	Triconex
System family	Tricon v9-v10 field termination
Part number	9753-110
Country	USA
HS code	8537101190

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Technical Specifications

Technical values below are limited to the named Triconex product record.

PARAMETER	TECHNICAL 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

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System Role and Architecture

Triconex 9753-110 is a basic termination panel for pulse-input and pulse-totalizer modules. It routes field pulse signals to the selected Tricon processing module.

FUNCTION 1

Terminates eight balanced pulse-input channels from magnetic speed sensors

FUNCTION 2

Reconfigures as a sixteen-point field interface for the 3515 pulse totalizer module

FUNCTION 3

Carries differential IN+ and IN- conductors to the selected Tricon input module

FUNCTION 4

Provides panel-level labeling for the assigned pulse or totalizer channel range

Matched system components

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

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Installed host / carrier	3510 or 3511 pulse-input module
Companion hardware	3515 pulse-totalizer input module
Field connection	4000103-510 backplane cable
Primary system function	Terminates eight balanced pulse-input channels from magnetic speed sensors
Controlled acceptance duty	Turbine and compressor magnetic speed pickup termination

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Applications and Engineering Context

Turbine and compressor magnetic speed pickup termination

Terminates eight balanced pulse-input channels from magnetic speed sensors

High-frequency rotating-equipment pulse measurement

Reconfigures as a sixteen-point field interface for the 3515 pulse totalizer module

Thirty-two-point pulse-totalizer field termination

Carries differential IN+ and IN- conductors to the selected Tricon input module

Tricon pulse-channel retrofit and loop verification

Provides panel-level labeling for the assigned pulse or totalizer channel range

TECHNICAL 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.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	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

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Engineering Precautions

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.

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

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

MANUFACTURER SOURCE RECORD

Field Terminations Guide for Tricon v9-v10 Systems

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