

MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

TRICONEX

9753-110

PULSE INPUT TERMINATION PANEL

Used with the applicable Triconex safety system configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: Tricon Technical Product Guide

Product Specifications

Model Number	Description	See This Standard Model
3805HC	AO, 4–20 mA, current loop, DC-coupled, TMR, 8 pts.	3805H
3505EC	DI, 24 VDC, low threshold, 32 pts.	3505E
3503EC	DI, 24 VAC/VDC, commoned in groups of 8, self-test, TMR, 32 pts.	3503E
3564C	DI, 0–5 VDC, single-ended, high-density, TMR, 64 pts.	3564
3664C	DO, 24 VDC, commoned, opto-isolated, self-protected, dual, 32 pts.	3664
3625C	DO, 24 VDC, supervised/non-supervised, commoned, TMR, 32 pts.	3625
3625AC	DO, 24 VDC, supervised/non-supervised, commoned, TMR, 32 pts.	3625A
3511C	Pulse Input, differential, AC-coupled, TMR, 8 pts.	3511
3636TC	Relay Output, normally open, non-triplicated, 32 pts.	3636T
External Termination Panels and FT4 Interface Cables^b		
9563-810FC	Term panel with cable 4000187-310; for use with 3503EC and 3505EC	9563-810F
9566-710FC	Term panel with cable 4000187-310; for use with 3564C	9566-710F
9662-610FC	Term panel with cable 4000188-310; for use with 3625C, 3625AC, and 3664C	9662-610F
9668-110FC	Term panel with cable 4000188-110 ^c ; for use with 3636TC	9668-110F
9753-110FC	Term panel with cable 4000189-510; for use with 3511C	9753-110F
9765-210FC	Term panel with cable 4000206-510; for use with 3720C	9765-210F
9771-210FC	Term panel with cable 4000189-510; for use with 3700AC, 3703EC, and 3721C	9771-210F
9853-610FC	Term panel with cable 4000190-510; for use with 3805HC	9853-610F

a. For information about modules and chassis, see the *Planning and Installation Guide for Tricon v9–v10 Systems*.

b. For information about external termination panels and interface cables, see the *Field Terminations Guide for Tricon v9–v10 Systems*.

c. A low smoke zero halogen (LSZH) cable is also certified for use with the external termination assembly (ETA) that is included with model 9668-110FC. If you need the LSZH cable, order ETA 3000590-110C and LSZH cable 4000141-110, separately.

f-protected,	9662-610F	n/a	9653-610F	9671-610F	n/a	9101-010F	n/a	9671-810F ^b
	Commoned Term Panels	Non-Common Term Panels	Basic Term Panels	Nonincendive Term Panels	RG 1:180 Term Panels	Fanned-out Cables	Bypass Panels	ERT Loop-Back Cables/Panels
	n/a	n/a	9853-610F	9861-610F	9860-610F	n/a	n/a	n/a
	n/a	n/a	9853-610F	9861-610F	9860-610F	n/a	n/a	n/a
ts,	n/a	n/a	9863-710F (special panel)	n/a	n/a	n/a	n/a	n/a
) mA outputs	9881-810F	n/a	n/a	9871-810F	n/a	n/a	n/a	n/a
	Upscale	Downscale	Basic Term Panels	Nonincendive Term Panels	RG 1:180 Term Panels	Fanned-out Cables	Bypass Panels	ERT Loop-Back Cables/Panels
ype J, K, T,	9766-210F	9766-510F	n/a	9784-610F, upscale 9785-610F, downscale	n/a	n/a	n/a	n/a
ype E, J, K,	9765-610F	n/a	n/a	9786-110F	9782-110F	n/a	n/a	n/a
	3-Wire 4-20 mA	Voltage	2-Wire 4-20 mA	Nonincendive Term Panels	RG 1:180 Term Panels	Basic		RTD/TC/AI
tial,	n/a	9763-810F	9761-210F, 0-5 V 9771-210F, 0-5 V	9791-610F, current input 9792-610F, 4-20 mA, 0-5 V, 9787-110F, 16 VDC-56 VDC field voltage input	9790-610F, current input 9792-610F, 4-20 mA, 0-5 V, 16 VDC-56 VDC field 9795-610F, 4-20 mA, 0-10 V 9783-110F, voltage input 9764-310F, RTD/TC/AI input ^e	9753-110F, 0-5 V		9764-310F ^c
	n/a	n/a	9761-210F, 0-5 V 9771-210F, 0-5 V	9791-610F, current input	9790-610F, current input	n/a		n/a
ntial, 32 pts,	n/a	9763-810F	9761-410F	n/a	n/a	9753-110F, 0-10 V		n/a
olated, 16	n/a	9763-810F	9762-210F, 0-5 V 9762-410F, 0-10 V 9771-210F, 0-5 V	9791-610F, current input 9787-110F, voltage input	9790-610F, 4-20 mA, 0-5 V 9792-610F, 4-20 mA, 0-5 V, 16 VDC-56 VDC field	9753-110F, 0-5/0-10 V		n/a
nded, 64 pts,	9765-210F, 0-5 V	n/a	9760-210F, 0-5 V 9760-410F, 0-10 V	9789-610F, 4-20 mA	n/a	9750-210F, 4-20 mA 9750-810F, 0-5/0-10 V		n/a
o +5 VDC,	n/a	9763-810F	9761-210F, 0-5 V 9761-410F, 0-10 V 9771-210F, 0-5 V	9791-610F, current input 9787-110F, voltage input	9790-610F, 4-20 mA, 0-5 V 9792-610F, 4-20 mA, 0-5 V, 16 VDC-56 VDC field 9795-610F, 4-20 mA, 0-10 V 9783-110F, voltage input 9764-310F, RTD/TC/AI input ^e	9753-110F, 0-5 V		9764-310F ^c

: illuminate when point fuse is removed. Each point is commoned.
 : illuminate when point fuse is removed. Each point is self-protected and commoned.
 d separately. A total of 16 is required for each termination panel.
 ation 11.31 software.

Part Number Cross-Reference

Part Number Cross-Reference—ETPs (continued)

Base Model #	ETA	FT4 Cable	Z Cable	LSZH Cable	FT1 Cable (Old)
9661-610	3000520-160	4000188-110	4000193-110	4000141-110	4000094-110
9661-810	3000550-180	4000188-110	4000193-110	4000141-110	4000094-110
9661-910	3000520-180	4000188-110	4000193-110	4000141-110	4000094-110
9662-110	3000570-310	4000188-310	4000193-310	4000141-310	4000094-310
9662-610	3000520-390	4000188-310	4000193-310	4000141-310	4000094-310
9662-710	3000550-390	4000188-310	4000193-310	4000141-310	4000094-310
9662-810	3000520-380	4000188-310	4000193-310	4000141-310	4000094-310
9662-910	3000550-380	4000188-310	4000193-310	4000141-310	4000094-310
9663-610	3000725-160	4000188-110	4000193-110	4000141-110	4000094-110
9664-110	3000726-110	4000188-110	4000193-110	4000141-110	4000094-110
9664-810	3000520-170	4000188-110	4000193-110	4000141-110	4000094-110
9667-110	3000570-710	4000188-210	4000193-210	4000141-210	4000094-210
9667-810	3000520-280	4000188-210	4000193-210	4000141-210	4000094-210
9667-910	3000550-280	4000188-210	4000193-210	4000141-210	4000094-210
9668-110	3000590-110	4000188-110	4000193-110	4000141-110	4000094-110
9670-110	3000290-110	4000203-110	4000204-110	n/a	4000111-110
9670-610	3000290-160	4000203-110	4000204-110	n/a	4000111-110
9671-610	3000769-390	4000196-310	4000200-310	n/a	4000166-310
9671-810	3000290-380	4000203-310	4000204-310	n/a	4000111-310
9672-810	3000290-280	4000203-210	4000204-210	n/a	4000111-210
9673-810	3000290-181	4000203-110	4000204-110	n/a	4000111-110
9750-210	3000420-120	4000206-510	4000207-510	n/a	4000093-510
9750-310	3000420-310	4000187-310	4000192-310	4000140-310	4000093-310
9750-410	3000420-410	4000187-210	4000192-210	4000140-210	4000093-210
9750-810	3000420-180	4000206-510	4000207-510	n/a	4000093-510
9753-110	3000400-510	4000189-510	4000191-510	4000142-510	4000103-510
9760-210	3000470-510	4000206-510	4000207-510	n/a	4000093-510
9760-410	3000470-530	4000206-510	4000207-510	n/a	4000093-510
9761-210	3000510-510	4000189-510	4000191-510	4000142-510	4000103-510
9761-410	3000510-530	4000189-510	4000191-510	4000142-510	4000103-510
9762-210	3000510-560	4000189-510	4000191-510	4000142-510	4000103-510