

MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

TRICONEX

9662-610

DIGITAL OUTPUT 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.

Module number in the first column with termination options on the right. An I/O module can be wired to a maximum of two termination
be of two different types—for example, commoned and non-commoned.

description	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
1 VDC, 32 pts.	9561-810F	9561-110F	9551-110F	n/a	n/a	9101-010F	n/a	9141-010F
VDC, 32 pts.	9562-810F	n/a	9552-610F	n/a	n/a	9101-010F	n/a	9142-010F
VDC, 32 pts.	9563-810F	n/a	9553-610F	9572-610F	n/a	9101-010F	BP9228-010F	9143-010F
XC, 64 pts.	9566-810F, 24V 9565-810F, 48V	n/a	9750-310F, 24V 9750-410F, 48V	9570-610F, 24V n/a	n/a	n/a	BP9229-010F n/a	n/a
low threshold,	9563-810F	n/a	9553-610F	9572-610F	n/a	9101-010F	BP9228-010F	9143-010F
9563-910F	9563-910F							
1 Hz, 8 pts.	n/a	n/a	9753-110F	n/a	n/a	n/a	n/a	n/a
1 Hz, 8 pts.	n/a	n/a	9753-110F	9793-110F	9794-110F	n/a	n/a	n/a
π, 24 VDC,	n/a	n/a	9753-110F	9572-610F	n/a	n/a	n/a	n/a
single, 64 pts.	9566-710F	n/a	9553-610F	9571-610F	n/a	9101-010F	n/a	n/a
7, 16 pts.	9661-610F	9661-110F	9651-110F	n/a	n/a	9101-010F	n/a	9670-110F
9663-610F	9663-610F	9664-110F						9670-610F
7, 16 pts.	9663-610F	9664-110F	n/a	n/a	n/a	n/a	n/a	n/a
C, 16 pts.	n/a	9251-210	n/a	n/a	n/a	n/a	n/a	n/a
C, 16 pts.	9661-910F ^a	n/a	9651-110F	n/a	n/a	9101-010F	n/a	9673-810F ^a
9664-810F ^a	9664-810F ^a							
C, 16 pts.	9664-810F ^a	n/a	n/a	n/a	n/a	n/a	n/a	9673-810F ^a
7, 16 pts.	9662-810F	9662-110F	9653-610F	9671-610F	n/a	9101-010F	n/a	9671-810F
7, 16 pts.	9667-810F	9667-110F	9652-610F	n/a	n/a	9101-010F	n/a	9672-810F
7, 8 pts.	9661-510F	n/a	n/a	n/a	n/a	n/a	n/a	n/a
C, 8 pts.	9661-810F	n/a	n/a	n/a	n/a	n/a	n/a	n/a
7, 8 pts.	9662-810F	n/a	n/a	n/a	n/a	n/a	n/a	n/a
7, low power,	9662-710F	n/a	n/a	n/a	n/a	n/a	n/a	n/a
7, 8 pts.	9667-910F	n/a	n/a	n/a	n/a	n/a	n/a	n/a
C, 16 pts.	9661-910F	n/a	9651-110F	n/a	n/a	9101-010F	n/a	n/a
C, 16 pts.	9664-810F	n/a	n/a	n/a	n/a	n/a	n/a	n/a
7, self-protected,	9662-610F	n/a	9653-610F	9671-610F	n/a	9101-010F	n/a	n/a
7, self-protected,	9662-610F	n/a	9653-610F	9671-610F	n/a	9101-010F	n/a	9671-810F ^b
ed), 32 pts.	n/a	9668-110F	9651-110F	n/a	n/a	9101-010F	n/a	n/a
VDC, self-protected,	9662-610F	n/a	9653-610F	9671-610F	n/a	9101-010F	n/a	9671-810F ^b

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