Triconex 3601E

Installation & Commissioning Guide

01 Job scope and safe-work boundary

Triconex 3601E is a 16-point, non-commoned triple-modular-redundant digital-output module for 115 V AC field loads in a Tricon system. It uses a separate external termination panel.

Offered marking	Triconex 3601E
Installed host or system	Tricon TMR controller / AC digital output
Included-item check	Confirm the 3601E module and its connector condition; the external termination panel, cable and point fuses are separately identified in the offer.
Pre-work identity	Check the complete 3601E marking and the configured chassis position; 3601T carries a different isolation footnote.

Work boundary

Treat each 115 V AC output point as a separately powered circuit before handling the panel.

02 Readiness checks

Check	Required evidence
Isolate field power	Treat each 115 V AC output point as a separately powered circuit before handling the panel.
Match the E variant	Confirm 3601E and its configured chassis key; do not use 3601T isolation limits.
Check termination	Verify the external termination panel and backplane cable before commissioning.
Fit point fuses	Confirm one 3 A fast-acting fuse for each output on the field termination.
Assess the load	Keep steady and surge demand within 2 A per point and 12 A per cycle.
Prove diagnostics	Test commanded ON/OFF state, point indication and LOAD/FUSE alarms at the field device.

Configuration hold point

Match the exact 3601E execution, field fuse, terminal panel and load characteristics; the 3601T isolation note is separate.

03 Fit and reconnect

Stage	Action	Record / hold point
01 Confirm	Check the complete 3601E marking and the configured chassis position; 3601T carries a different isolation footnote.	Full label and installed-system reference recorded
02 Isolate	Treat each 115 V AC output point as a separately powered circuit before handling the panel.	Site isolation confirmed before handling
03 Match	Confirm 3601E and its configured chassis key; do not use 3601T isolation limits.	Interface and configuration match confirmed
04 Connect	Verify the external termination panel and backplane cable before commissioning.	Conductor or connector map checked
05 Restore	Confirm one 3 A fast-acting fuse for each output on the field termination.	System limits and protection reviewed

Variant boundary

The original model table identifies 3601E/3601T together; the E-only output rating and isolation scope are kept distinct from 3601T.

04 Commissioning acceptance

Verification	Expected observation	If different
Identity	3601E remains the complete installed reference	Stop and reconcile the marking
Physical fit	Keep steady and surge demand within 2 A per point and 12 A per cycle.	Recheck connector, terminal or panel
Functional proof	Test commanded ON/OFF state, point indication and LOAD/FUSE alarms at the field device.	Trace the affected circuit or status
System record	Tricon TMR controller / AC digital output configuration matches the installation	Restore the recorded configuration

Recorded evidence

Retain the full marking, applicable system configuration, field check and observed result with the maintenance record.

05 Fault response and handover

Question	Review path
What does the LOAD/FUSE indication mean on Triconex 3601E?	It signals a mismatch between detected field voltage and the commanded output state.
What point-isolation value belongs to Triconex 3601E?	The shared model table gives 1500 V DC for 3601E; the 2500 V DC footnote applies to 3601T.
How should a Triconex 3601E channel fault be interpreted?	A FAULT indication calls for channel diagnosis; the guide distinguishes a channel fault from proof of a complete module failure.

Handover

Confirm the 3601E module and its connector condition; the external termination panel, cable and point fuses are separately identified in the offer.

Technical source

Triconex Technical Product Guide for Tricon Systems, 9791007-013

Discuss the complete reference

Triconex 3601E

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