

Safe Digital Output Field Termination Assembly

Field workbook for exact-model verification, as-found recording, controlled installation and final functional acceptance.

WORK ORDER IDENTITY

Site / unit

Equipment tag

Drawing / loop reference

Technician / date

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MANDATORY MODEL GATE

- ☐ Physical label reads FC-TSDO-0824 in full.
- ☐ Assigned host platform is documented as Safety Manager.
- ☐ Installed companion hardware includes SDO-0824 safe output module.
- ☐ Field interface and cabling match SICC-0001/Lx interconnection cable.
- ☐ The approved drawings and manufacturer record are available at the work location.
- ☐ No rating or configuration has been copied from a visually similar model.

Pre-work review and as-found record

PRE-WORK CHECKLIST

- ☐ Verify the complete FC-TSDO-0824 marking, hardware execution and assigned Safety Manager position.
- ☐ Place the process in the approved maintenance state and isolate every applicable energy source.
- ☐ Record as-found wiring, shields, jumpers, cable tags, slot identity and diagnostics before removing FC-TSDO-0824.
- ☐ Use ESD controls and protect keyed connectors, terminals and assemblies while handling FC-TSDO-0824.
- ☐ Confirm the installed SDO-0824 safe output module and SICC-0001/Lx interconnection cable against approved drawings and configuration records.

AS-FOUND RECORD

Installed position / slot	
Companion module or assembly	
Supply / network state	
Cable and terminal identifiers	
Jumpers / range / configuration	
Active diagnostics / status indications	
Photograph or drawing reference	

CONTROLLED INSTALLATION SEQUENCE

- 1

Use ESD controls and protect keyed connectors, terminals and assemblies while handling FC-TSDO-0824.
- 2

Confirm the installed SDO-0824 safe output module and SICC-0001/Lx interconnection cable against approved drawings and configuration records.
- 3

Inspect mating hardware, terminal condition, grounding and mechanical retention before installation.
- 4

Restore power or network service in controlled stages; confirm status indications before functional commands.
- 5

Complete a documented functional test for emergency shutdown solenoids and retain the as-left record.

FIELD TECHNICAL REFERENCE

OUTPUT CHANNELS 8	MAXIMUM VOLTAGE 36 Vdc
MAXIMUM CONTINUOUS CURRENT 1.5 A/channel	DIN RAIL TS32; TS35 × 7.5
TERMINAL WIRE SIZE 2.5 mm² maximum	TERMINAL TORQUE 0.5 Nm
APPROVALS CE; TÜV; UL; CSA; FM	

MODEL-SPECIFIC CAUTION

Use the connected output module's permitted current as the controlling limit, apply the documented terminal torque and prove the de-energized safe state.

Commissioning, diagnostics and acceptance record

COMMISSIONING STEPS

☐ Confirm mechanical seating, retention, terminal condition and required protective covers.

☐ Verify supply, grounding, shields, polarity, continuity and network state before energization.

☐ Compare slot, channel, range and companion-hardware configuration with approved records.

☐ Restore service in controlled stages and record initial status indications and diagnostics.

☐ Perform a controlled emergency shutdown solenoids functional test with process safeguards effective.

☐ Record final diagnostics, configuration, deviations, test evidence and release authorization.

MEASURED / OBSERVED RESULTS

Initial diagnostics

Supply / network value

Channel or command result

Process indication

Interlock / safeguard result

Final status

Related product pages and handover record

Related Safety Manager products on Apter Power

MODEL	SERIES / SYSTEM ROLE	APTER POWER PAGE
FC-TSRO-0824 V1.1	8-channel safe relay-output FTA	Open product page
FC-TSAO-0220M	2-channel safe analog-output FTA	Open product page
FC-TSDI-1624	Safe digital-input FTA	Open product page
FC-TSAI-1620m	16-channel safe analog-input FTA	Open product page
FC-TSFIRE-1624	Safety Manager fire-input FTA	Open product page

FINAL HANDOVER CHECKLIST

- ☐ Exact model and installed position confirmed
- ☐ As-left wiring and configuration recorded
- ☐ Manufacturer diagnostics reviewed and cleared or dispositioned
- ☐ Functional test completed with acceptance result attached
- ☐ Protective covers restored and work area inspected
- ☐ Operations / maintenance handover authorization recorded

Released by

Date

Remarks

MANUFACTURER SOURCE RECORD

Honeywell Safety Manager Hardware Reference | EP-SM.MAN.6284 Issue 2.1

[Open official manufacturer source](#)