

FC-TSDO-0824

Safe Digital Output Field Termination Assembly

Honeywell FC-TSDO-0824 is an eight-channel safe digital-output field termination assembly. It connects an SDO-0824 output module and system interconnection cable to external 24 Vdc field wiring.

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SCAN FOR PRODUCT & QUOTE

FC-TSDO-0824

PRODUCT SNAPSHOT

BRAND

Honeywell

FAMILY

Safety Manager

MODEL

FC-TSDO-0824

DOCUMENT SET

Technical reference / field workbook / complete information

OFFICIAL PRODUCT DESCRIPTION

Honeywell FC-TSDO-0824 is an eight-channel safe digital-output field termination assembly. It connects an SDO-0824 output module and system interconnection cable to external 24 Vdc field wiring.

FUNCTION MAP



TECHNICAL DATA

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	

ENGINEERING NOTE

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

COMMON APPLICATIONS

1

Emergency shutdown solenoids

2

Burner trip circuits

3

Fire-and-gas isolation outputs

4

Machine safety contactor commands

COMPATIBILITY REVIEW

IDENTITY Exact model and hardware execution: FC-TSDO-0824	HOST PLATFORM Safety Manager
PRIMARY COMPANION SDO-0824 safe output module	SECONDARY COMPANION SICC-0001/Lx interconnection cable
FIELD BOUNDARY 24 Vdc field supply	ACCEPTANCE DUTY Emergency shutdown solenoids

MANUFACTURER SOURCE RECORD

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

[Open official manufacturer source](#)

Selection boundary: never transfer ratings, wiring, configuration or compatibility from a visually similar model. Confirm the complete physical label and the manufacturer record for the installed system.

PRODUCT PRECAUTIONS

- 1

Verify the complete FC-TSDO-0824 marking, hardware execution and assigned Safety Manager position.
- 2

Place the process in the approved maintenance state and isolate every applicable energy source.
- 3

Record as-found wiring, shields, jumpers, cable tags, slot identity and diagnostics before removing FC-TSDO-0824.
- 4

Use ESD controls and protect keyed connectors, terminals and assemblies while handling FC-TSDO-0824.
- 5

Confirm the installed SDO-0824 safe output module and SICC-0001/Lx interconnection cable against approved drawings and configuration records.
- 6

Inspect mating hardware, terminal condition, grounding and mechanical retention before installation.
- 7

Restore power or network service in controlled stages; confirm status indications before functional commands.
- 8

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

COMMISSIONING ACCEPTANCE

MECHANICAL Correct position, retention and terminal condition	ELECTRICAL / NETWORK Supply, grounding, shields, polarity and continuity confirmed
CONFIGURATION Slot, channel, range and companion hardware match approved records	FUNCTIONAL Controlled emergency shutdown solenoids test completed without abnormal diagnostics

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

ENGINEER FAQ — 8 MODEL-SPECIFIC CHECKS

Q1	What must be matched before installation?	Match the full FC-TSDO-0824 marking, revision or execution, assigned position and installed companion hardware.
Q2	What should be isolated first?	Use the site's approved maintenance state and isolate the energy sources serving SDO-0824 safe output module and SICC-0001/Lx interconnection cable.
Q3	What as-found record is required?	Record terminal identity, polarity, shields, jumpers, cable tags, configuration and diagnostic status.
Q4	Which compatibility check is mandatory?	Compare the Safety Manager slot, interface, companion hardware and wiring scheme with approved project documentation.
Q5	How should commissioning begin?	Begin with visual and continuity checks, then restore service in stages and observe normal status indications.
Q6	How should the assigned function be proved?	Use a controlled test for emergency shutdown solenoids while required interlocks and process safeguards remain effective.
Q7	What should be checked after an abnormal result?	Recheck seating, terminations, supply or network condition, channel assignment and manufacturer diagnostics before further replacement.
Q8	What evidence should be retained?	Retain the FC-TSDO-0824 identity, as-left wiring/configuration, final diagnostics and functional-test result.

MANUFACTURER SOURCE RECORD

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