

FC-SDO-0824

Safe Digital Output Module

CONTROLLED ENGINEERING COPY

Record every energized load and safe state, isolate internal and external 24 V supplies, confirm keying A9/C9 and complete a controlled output proof test.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	FC-SDO-0824
Manufacturer part	FC-SDO-0824
Hardware type	Safe digital output
System family	Honeywell Safety Manager



APTER POWER SALES TEAM

WHATSAPP / PHONE +86 180 3023 5313
EMAIL sales13@apterpower.com
WEBSITE www.apterpower.com



01 PRE-INSTALLATION PLAN

- 1

Verify the complete FC-SDO-0824 marking and its assigned eight-channel safe-output position before work.
- 2

Place the connected process and control strategy in the approved maintenance state.
- 3

Isolate the applicable cabinet supply and 24 V output field energy before disconnecting conductors.
- 4

Record terminal numbers, channel assignments, polarity, shields and configured ranges before removal.
- 5

Use ESD controls and protect the backplane connector, terminal hardware and coated electronics.

MATCHED HARDWARE

- Safety Manager I/O chassis
- 24 V DC field supply
- approved final elements and wiring
- validated safety application

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	FC-SDO-0824 / FC-SDO-0824 recorded
Physical interface	Safety Manager I/O chassis
Companion check	24 V DC field supply
Functional proof	Controls eight independent safe output channels
Application test	Emergency-shutdown solenoid control

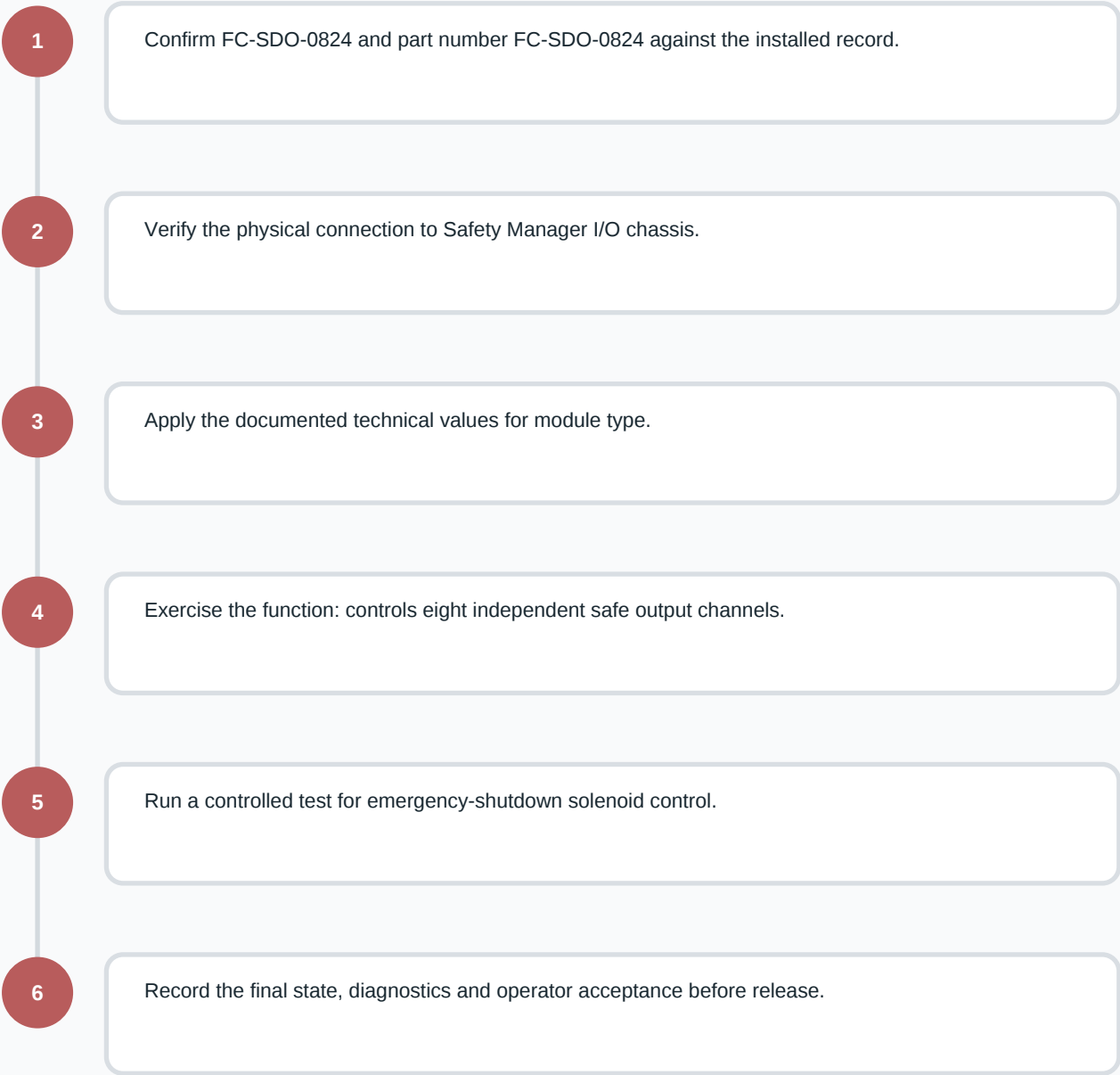
02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
Module type	Safe digital output
Output channels	8
Output type	24 V DC solid-state source
Output protection	Short-circuit proof
Maximum channel current	550 mA
Lamp load	120 mA; 2.9 W
Maximum load capacitance	1 uF
Voltage drop	<2 V at 500 mA
Off-state current	<0.1 mA
5 V DC current	25 mA
24 V DC internal current	25 mA
24 V DC external current	70 mA unloaded
Watchdog current	8 mA
Module size	4TE, 3HE (4HP, 3U)

FIELD NOTE

Record every energized load and safe state, isolate internal and external 24 V supplies, confirm keying A9/C9 and complete a controlled output proof test.

03 COMMISSIONING WORKFLOW



COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	FC-SDO-0824 / FC-SDO-0824 recorded
Physical interface	Safety Manager I/O chassis
Companion check	24 V DC field supply
Functional proof	Controls eight independent safe output channels
Application test	Emergency-shutdown solenoid control

04 RETURN-TO-SERVICE RECORD

- ☐
- Confirm the installed Safety Manager I/O chassis and carrier arrangement against the approved project.
- ☐
- Restore power in a controlled sequence and clear only diagnostics created by the maintenance activity.
- ☐
- Complete a commanded safe-state and final-element proof test and retain the measured result before returning the channel to automatic service.
- ☐
- Confirm the intended process response before normal operation.

VERIFICATION RECORD

PRODUCT IDENTITY	FC-SDO-0824
INSTALLED POSITION	Documented Honeywell Safety Manager position
VERIFICATION METHOD	Controlled inspection and functional test
RELEASE RECORD	Final diagnostic state retained before service

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
8C-PDIL51-51454359-175	Related industrial automation product	View 8C-PDIL51-51454359-175 page
10216-2-1	Related industrial automation product	View 10216-2-1 page
10105-2-1	Related industrial automation product	View 10105-2-1 page
10024-I-I	Related industrial automation product	View 10024-I-I page
10001-A-1	Related industrial automation product	View 10001-A-1 page
8C-TAIXA1-51307127-175	Related industrial automation product	View 8C-TAIXA1-51307127-175 page
MU-TAIH02-51304453-100	Related industrial automation product	View MU-TAIH02-51304453-100 page
CC-PCNT01-51405046-175	Related industrial automation product	View CC-PCNT01-51405046-175 page

SOURCE IDENTIFIERS

Honeywell Safety Manager Hardware Reference
EP-SM.MAN.6284, Issue 1.10

APTER POWER SALES TEAM

WHATSAPP / PHONE	+86 180 3023 5313
EMAIL	sales13@apterpower.com
WEBSITE	www.apterpower.com

