

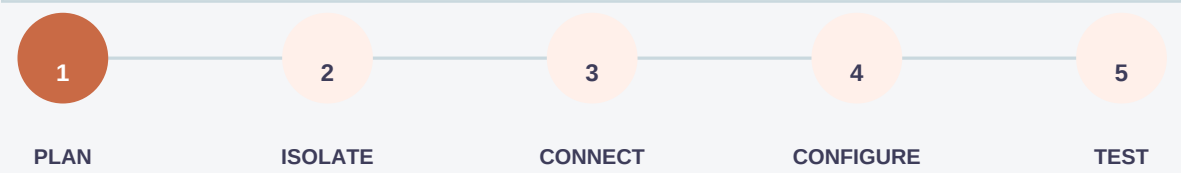
FC-SAO-022M

FC-SAO-022M Safe Analog Output Module

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Honeywell FC-SAO-022M is the FC-SAO-022M Safe Analog Output Module used for safe generation and monitoring of two analog current-output channels in a documented Honeywell Safety Manager installation. Confirm the complete identity and installed system configuration before replacement.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	FC-SAO-022M
Manufacturer	Honeywell
System family	Honeywell Safety Manager
Record scope	Installation, application and verification



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01 PRE-INSTALLATION PLAN

- 1

Confirm the complete FC-SAO-022M identity on the hardware and maintenance record.
- 2

Place the affected Honeywell Safety Manager process in the approved maintenance state.
- 3

Record the installed position, connectors, terminals, wiring and configuration before removal.
- 4

Isolate all documented power and field energy and apply ESD controls where required.
- 5

Inspect the replacement identity, revision, interfaces and mating hardware before installation.

MATCHED HARDWARE

- Honeywell FC-SAO-022M with exact visible identity
- Matched Honeywell Safety Manager host
- Documented power, field and communication interfaces
- Approved configuration and acceptance record

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	FC-SAO-022M recorded
Physical interface	Installed terminals, ports and signals matched to the as-found record
Configuration	Approved Honeywell hardware and system configuration restored
Functional proof	Controlled test confirms safe generation and monitoring of two analog current-output channels

02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
Product type	Safe analog output module
Model	FC-SAO-022M
Channels	2
Output range	0(4)-20 mA
Allowed load	Resistive or capacitive
D/A conversion	12-bit per output channel
Output verification	A/D readback per channel
Secondary de-energizing	Provided for each channel
Execution	Conformally coated FC version
Redundant analog output	Supported by the documented Safety Manager release

RELATED PRODUCT PAGES

1 Honeywell FC-FANWR-24R

2 Honeywell 51401496-100

3 Honeywell 51401642-150

4 Honeywell 621-2200RC

5 Honeywell 8C-PAOH51 51454355-175

6 Honeywell 8C-TAIMA1 51307171-175

7 Honeywell 8C-TAOXA1 51307135-175

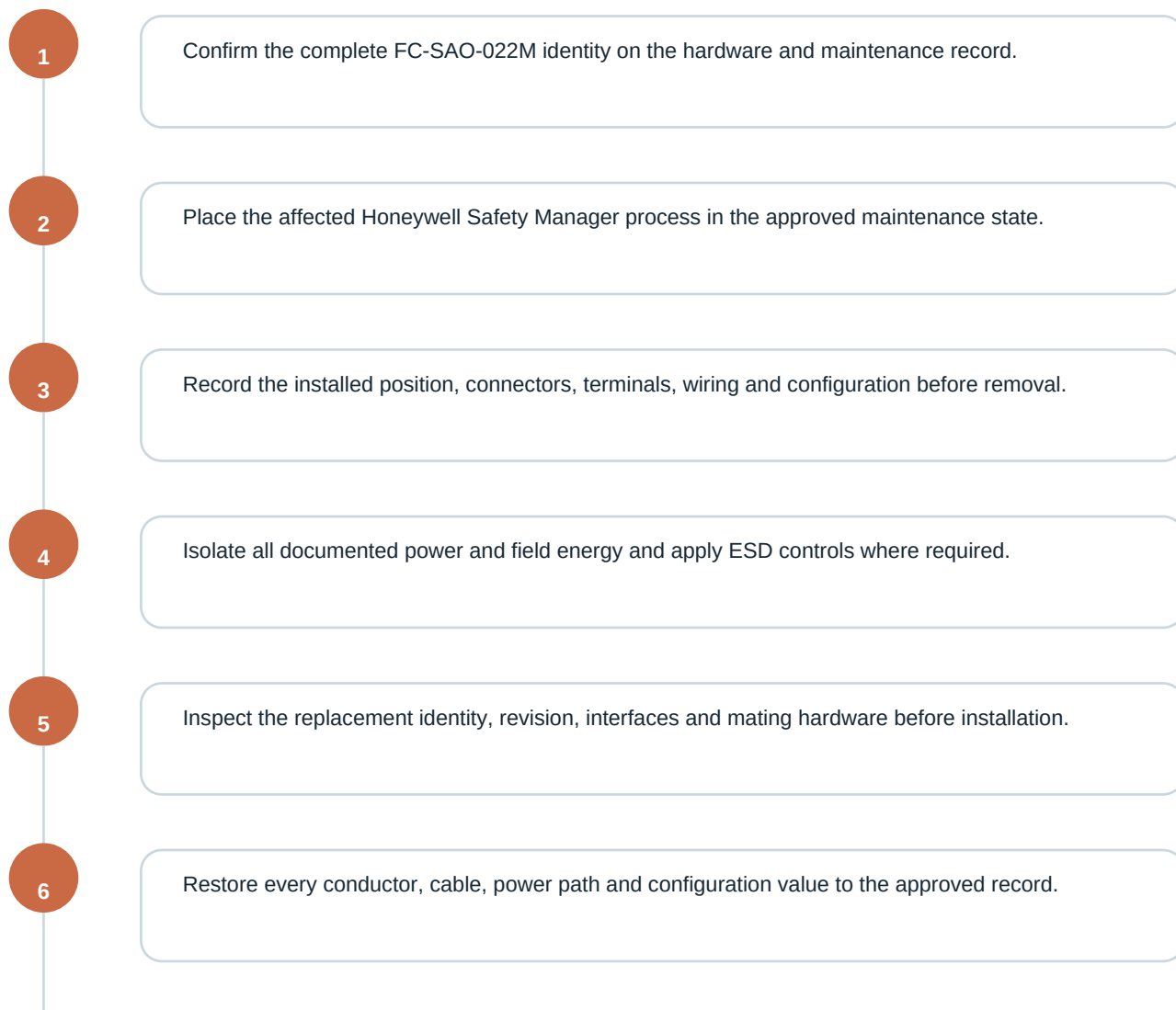
8 Honeywell 8C-TDILA1 51307141-175

9 Honeywell C7061F2001

FIELD NOTE

Confirm FC-SAO-022M and the installed system before release.

03 COMMISSIONING WORKFLOW



COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	FC-SAO-022M
Physical interface	Installed terminals, ports and signals matched to the as-found record
Configuration	Approved Honeywell hardware and system configuration restored
Functional proof	Controlled test confirms safe generation and monitoring of two analog current-output channels

04 RETURN-TO-SERVICE RECORD

- ☐ Inspect the replacement identity, revision, interfaces and mating hardware before installation.
- ☐ Restore every conductor, cable, power path and configuration value to the approved record.
- ☐ Review host, module, channel or network diagnostics after controlled energization.
- ☐ Perform a controlled test that proves safe generation and monitoring of two analog current-output channels before release.

VERIFICATION RECORD

PRODUCT IDENTITY	FC-SAO-022M
INSTALLED POSITION	Documented Honeywell Safety Manager position
VERIFICATION METHOD	Controlled inspection and functional test
RELEASE RECORD	Final diagnostic state retained before service

FUNCTIONAL ACCEPTANCE CHECKLIST

- ☐ Inspect the replacement identity, revision, interfaces and mating hardware before installation.
- ☐ Restore every conductor, cable, power path and configuration value to the approved record.
- ☐ Review host, module, channel or network diagnostics after controlled energization.
- ☐ Perform a controlled test that proves safe generation and monitoring of two analog current-output channels before release.

SOURCE IDENTIFIERS

Honeywell Safety Manager Hardware Reference EP-SM.MAN.6284 | Honeywell manufacturer publication