

INDUSTRIAL AUTOMATION PRODUCT

FC-SAO-022M

FC-SAO-022M Safe Analog Output Module

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.

CONTROLLED ENGINEERING COPY

IDENTITY	VERIFIED VALUE
Manufacturer	Honeywell
System family	Honeywell Safety Manager
Part number	FC-SAO-022M
Document status	Controlled product and system reference

DOCUMENT SCOPE

Exact article identity, official technical data, host matching, installation checks, applications, precautions and controlled acceptance evidence.

MODEL-SPECIFIC ENGINEERING NOTE

Install FC-SAO-022M only in its documented Honeywell Safety Manager position. Preserve the exact interfaces, wiring and configuration, then verify diagnostics and safe generation and monitoring of two analog current-output channels under controlled conditions.

System Role and Architecture

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.

FUNCTION 1
Output range: 0(4)-20 mA

FUNCTION 2
Allowed load: Resistive or capacitive

FUNCTION 3
D/A conversion: 12-bit per output channel

FUNCTION 4
Output verification: A/D readback per channel

RELATED APTER POWER 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

MATCHED SYSTEM COMPONENTS

NO.	DOCUMENTED COMPONENT / ROLE
01	Honeywell Safety Manager
02	Matched Honeywell Safety Manager host and field interface
03	Documented power, signal, communication and grounding connections
04	Approved configuration, diagnostics and acceptance record

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Host identity	Honeywell Safety Manager
Interface role	safe generation and monitoring of two analog current-output channels
Field / power context	documented Honeywell Safety Manager installed position
Commissioning evidence	Identity, wiring, configuration, diagnostics and controlled response recorded

INSTALLATION AND CONNECTION CHECKS

- 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

4

Technical Specifications

Technical values below are limited to the named product record and directly applicable manufacturer documentation.

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

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ENGINEERING BOUNDARY

Confirm FC-SAO-022M, its exact host, installed position, interfaces, configuration, diagnostics and controlled acceptance evidence before release.

PRE-INSTALLATION CHECKS

- 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.

Applications and Engineering Context

FC-SAO-022M Safe Analog Output Module

Provides safe generation and monitoring of two analog current-output channels in the approved Honeywell Safety Manager architecture.

Installed-system maintenance

Preserves the documented slot, termination, wiring and configuration during replacement.

Controlled commissioning

Restores power and signals in the approved sequence and reviews diagnostics.

Acceptance verification

Confirms the intended channel, network or safety function before release.

TECHNICAL NOTE

Install FC-SAO-022M only in its documented Honeywell Safety Manager position. Preserve the exact interfaces, wiring and configuration, then verify diagnostics and safe generation and monitoring of two analog current-output channels under controlled conditions.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	FC-SAO-022M recorded
Host / carrier	Honeywell Safety Manager
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

IMPORTANT NOTICE

Confirm FC-SAO-022M, its exact host, installed position, interfaces, configuration, diagnostics and controlled acceptance evidence before release.

Related Products and Source Record

Brand-qualified Apter Power navigation links are provided for system planning only; manufacturer evidence remains the named source record.

RELATED PRODUCTS ON APTER POWER

1

Honeywell FC-FANWR-24R

View Honeywell FC-FANWR-24R page

2

Honeywell 51401496-100

View Honeywell 51401496-100 page

3

Honeywell 51401642-150

View Honeywell 51401642-150 page

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Honeywell 621-2200RC

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Honeywell 8C-TDILA1 51307141-175

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Honeywell C7061F2001

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MANUFACTURER SOURCE RECORD

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

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RECOMMENDATION SCOPE

These links support product navigation and comparison. Technical values in this document are sourced only from the manufacturer record above.