

FC-IO-0001

Safety Manager I/O Extender Module

Honeywell FC-IO-0001 is a Safety Manager I/O extender module. It extends the I/O communication path within the keyed Safety Manager chassis architecture.

PRODUCT SNAPSHOT

BRAND
Honeywell

FAMILY
Honeywell Safety Manager

PART
FC-IO-0001

HS CODE
8537101190

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PRODUCT OVERVIEW

Honeywell FC-IO-0001 is a Safety Manager I/O extender module. It extends the I/O communication path within the keyed Safety Manager chassis architecture.

1

Extends the Safety Manager I/O communication path

2

Fits the keyed Safety Manager chassis position

3

Uses the documented 5 Vdc module supply

4

Supports certified safety-system I/O architecture

SYSTEM COMPONENTS

Safety Manager chassis

matched I/O bus or extender connection

5 Vdc chassis supply

approved Safety Manager I/O modules

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
FC-USI-0001	Safety Manager universal safe I/O module	Open product page
900G02-0202	HC900 digital-input module	Open product page
900H02-0202	HC900 digital-output module	Open product page
8C-TDIL01	Series 8 digital-input SOE IOTA	Open product page

TECHNICAL DATA

PARAMETER	VALUE
Module type	FC-IO-0001
Module version	1.1
Function	I/O extender
Approvals	CE; TUV; UL; CSA; FM
Module width	4 TE / 4 HP
Module height	3 HE / 3 U

PARAMETER	VALUE
Supply voltage	5 Vdc
Current consumption	35 mA
Supply ripple	Less than 50 mV peak-to-peak
Module key holes	A5; A7
Chassis key pins	A5; A7

TECHNICAL NOTE

Confirm the keyed A5/A7 chassis position and extender-cable identity, isolate the controller as required, then verify I/O communication and safety diagnostics after installation.

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

Safety Manager I/O expansion

Extends the Safety Manager I/O communication path

Extender-path maintenance

Fits the keyed Safety Manager chassis position

Safety chassis module replacement

Uses the documented 5 Vdc module supply

I/O communication diagnostic restoration

Supports certified safety-system I/O architecture

PRODUCT PRECAUTIONS

- 1 Verify FC-IO-0001 version 1.1 and the assigned chassis position before removal.
- 2 Place the Safety Manager application and controlled process in the approved maintenance state.
- 3 Isolate the applicable chassis supply and field energy before handling the module.
- 4 Record extender and I/O-bus cable identity before disconnection.
- 5 Use ESD controls and protect the edge connectors and keyed guides.
- 6 Confirm key pins A5 and A7 match the replacement module before insertion.
- 7 Restore power and review communication, module and I/O diagnostics.
- 8 Complete a controlled functional test of the affected safety I/O path.

ENGINEER FAQ

Q1 How should engineers validate FC-IO-0001 after configuration?

Restore the documented Honeywell Safety Manager assignment, review diagnostics and run a controlled test of its role: extends the safety manager i/o communication path.

Q2 Can FC-IO-0001 be moved to a different slot or duty without review?

No. Confirm keying, companion hardware and the approved configuration before assigning FC-IO-0001 to another position or function.

Q3 Which technical value is especially important during FC-IO-0001 commissioning?

Verify Module type is FC-IO-0001 and use the named manufacturer procedure for the controlled functional test.

Q4 What should be checked if FC-IO-0001 does not support extender-path maintenance after installation?

Check seating, matched I/O bus or extender connection, 5 Vdc chassis supply, field energy and the model-specific diagnostics before replacing additional hardware.

Q5 What evidence should be retained after FC-IO-0001 returns to service?

Retain the full model identity, as-left connections, configuration, diagnostic result and the final controlled test record for safety manager i/o expansion.

Q6 How is FC-IO-0001 identified before installation in a Honeywell Safety Manager cabinet?

Match the full FC-IO-0001 marking and part number FC-IO-0001 to the assigned position and installed Safety Manager chassis.

Q7 Which companion hardware must be checked when replacing FC-IO-0001?

Verify Safety Manager chassis, matched I/O bus or extender connection and 5 Vdc chassis supply against the approved cabinet and project record before fitting the Safety Manager I/O Extender Module.

Q8 What wiring information should be recorded before removing FC-IO-0001?

Record terminal identifiers, polarity or phase, shields, cable tags and the as-found channel or port assignment for FC-IO-0001.

SOURCE Safety Manager Hardware Reference | EP-SM.MAN.6284 R162

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