

FC-USI-0002

Universal Safety Interface module

Honeywell FC-USI-0002 is a withdrawn Universal Safety Interface used in legacy Safety Manager controllers. Honeywell identifies FX-USI-0002 as the pin-to-pin and function-compatible replacement for systems running Safety Manager R140.1 or later.

IDENTITY	VERIFIED VALUE
Manufacturer	Honeywell
Complete model	FC-USI-0002
Product role	Universal Safety Interface module
System family	Safety Manager
Country of origin	USA

DOCUMENT SCOPE

Exact identity, manufacturer-supported technical data, installation checks, applications, precautions and controlled verification records.

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FC-USI-0002

Technical Specifications

PARAMETER	VERIFIED VALUE
Module role	Universal Safety Interface
Lifecycle	Withdrawn from sales
Documented replacement	FX-USI-0002
Replacement compatibility	Pin-to-pin and function compatible
Minimum software for replacement	Safety Manager R140.1
Redundant operation	Replacement can function with FC-USI-0002
Replacement mode	Online replacement supported

Model-Specific Engineering Note

ENGINEERING BOUNDARY

Before replacing FC-USI-0002, record both redundant module identities, controller software release and communication configuration. Use FX-USI-0002 only after confirming R140.1-or-later compatibility and complete the documented online replacement and communication checks.

Pre-Installation Checks

NO.	REQUIRED CHECK
1	Verify the complete FC-USI-0002 marking and installed revision.
2	Record the Safety Manager software release before selecting a replacement.
3	Do not use the FX replacement path on releases earlier than R140.1.
4	Record the partner module and redundancy state before an online replacement.
5	Back up controller and communication settings before disturbing the interface.

System Role and Architecture

Honeywell FC-USI-0002 is a withdrawn Universal Safety Interface used in legacy Safety Manager controllers. Honeywell identifies FX-USI-0002 as the pin-to-pin and function-compatible replacement for systems running Safety Manager R140.1 or later.

FUNCTION 1
Legacy Safety Manager communication interface

FUNCTION 2
Documented withdrawn product

FUNCTION 3
FX-USI-0002 pin-compatible migration path

FUNCTION 4
Supports controlled online replacement in eligible systems

Common Applications

APPLICATION	ENGINEERING CONTEXT
Legacy Safety Manager spares	Maintains an installed controller interface when the original configuration must be preserved.
Redundant controller maintenance	Supports a controlled replacement plan for one interface in a redundant pair.
R140.1-or-later migration	Uses the documented FX-USI-0002 replacement path after release compatibility is verified.
Communication restoration	Returns the recorded Safety Manager interface configuration to service after testing.

CONTROLLED ACCEPTANCE DUTY
Confirm identity, physical interface, companion hardware, configured values and functional response against the installed-system record before release.

Engineering Precautions

NO.	PRECAUTION
1	Verify the complete FC-USI-0002 marking and installed revision.
2	Record the Safety Manager software release before selecting a replacement.
3	Do not use the FX replacement path on releases earlier than R140.1.
4	Record the partner module and redundancy state before an online replacement.
5	Back up controller and communication settings before disturbing the interface.
6	Use ESD controls and the documented module replacement procedure.
7	Confirm the new interface is recognized without unexplained diagnostics.
8	Prove all configured communication paths before restoring the safety system.

Model-Specific FAQ — Part 1

QUESTION	ANSWER
What product lifecycle status does Honeywell publish for FC-USI-0002?	Honeywell identifies it as withdrawn from sales.
Which current module replaces FC-USI-0002?	Honeywell identifies FX-USI-0002 as the documented replacement.
Is the FX replacement pin-compatible with FC-USI-0002?	Yes. Honeywell states it is pin-to-pin and function compatible.
What software release is required before replacing FC-USI-0002?	Safety Manager R140.1 or later is required for the documented FX-USI-0002 replacement path.

Model-Specific FAQ — Part 2

QUESTION	ANSWER
Can the replacement operate with another installed FC-USI-0002?	Yes. Honeywell states FX-USI-0002 can operate with FC-USI-0002 in the redundant controller.
May the replacement for be performed online FC-USI-0002?	Honeywell documents online replacement when the release and procedure requirements are satisfied.
What must be recorded before disturbing FC-USI-0002?	Record controller release, both module identities, redundancy state and communication configuration.
What proves a successful migration from FC-USI-0002?	The replacement is recognized, redundancy is healthy, diagnostics are clear and every configured communication path passes its test.

Related Products on Apter Power

MODEL	APTER POWER PAGE
Honeywell 51304441-125	Open product page
Honeywell 51304511-100	Open product page
Honeywell 51304511-200	Open product page
Honeywell 51304518-150	Open product page
Honeywell 51304538-100	Open product page
Honeywell 51304540-200	Open product page
Honeywell 51304542-100	Open product page
Honeywell 51304544-100	Open product page

MANUFACTURER SOURCE RECORD

Honeywell System HINTS, August 2019
Knowledge Article 000070613; Safety Manager Hardware Reference EP-SM.MAN.6284 Issue 1.10

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