Honeywell FC-USI-0002

01 Establish the migration boundary

1 Identify the installed interface

Read the FC-USI-0002 marking on the installed unit and identify its controller position. Capture the complete Safety Manager release, including the maintenance level. Record both interface identities when the controller is redundant; a single module label does not describe the whole installed arrangement.

2 Separate replacement capability from procedure

FX-USI-0002 is a pin-to-pin and function-compatible successor, but the software boundary remains essential. R140.1 or later is required for the specific replacement path. A controller described only as R140 needs a more precise release check before the proposed hardware change can be accepted.

3 Set a controlled work scope

Plan the change with the responsible system engineer and the applicable Honeywell procedure. Identify which communication services use the affected interface and what the plant expects during a temporary path interruption. Retain an approved recovery route before disturbing either side of a redundant arrangement.

Identity	FC-USI-0002; capture the actual unit label
Release gate	R140.1 or later for the FX successor
Work boundary	Affected interface, peer and external communication paths

FC-USI-0002 / Record communication and redundancy

02 Record communication and redundancy

1 Build a path inventory

List each configured endpoint and its expected communication state. Record which path belongs to the interface being changed and which remains on its peer. The useful baseline is successful data exchange at the application endpoint, not merely a connected cable or a link indicator.

2 Inspect the redundant arrangement

Confirm the controller is in the intended operating state before work. An FX successor can function alongside an FC-USI-0002, so mixed hardware is not by itself a fault. Preserve the original module roles and investigate pre-existing redundancy alarms before introducing another variable.

3 Retain configuration and recovery records

Save the approved configuration and record the installed release, module types, assignments and diagnostic state. Keep those records accessible during the change. Define the point at which work stops and recovery begins if the replacement is not recognized or the expected communication paths fail to return.

Baseline	Release, module roles and diagnostics captured
External paths	Expected endpoint data and communication state recorded
Recovery	Approved configuration and fallback sequence available

FC-USI-0002 / Execute the approved replacement plan

03 Execute the approved replacement plan

1 Confirm the successor before insertion

Check the full identity of the proposed FX-USI-0002 and its compatibility with the actual controller release. The successor is a separate product, not a different label for the FC module. Do not populate legacy engineering records with the successor’s processor or electrical ratings.

2 Follow the supported online sequence

Honeywell supports online replacement within the release and procedure conditions. Follow the installation-specific sequence rather than assuming that every action is interruption-free. Maintain awareness of the remaining peer and the services that depend on it throughout the change.

3 Observe recognition before expanding work

After the planned change, check that the controller recognizes the replacement in the intended interface role. Review diagnostic indications and peer state before making further changes. If identification or redundancy is abnormal, hold the work and use the approved recovery process rather than replacing another module.

Hardware	Successor identity and release compatibility confirmed
Sequence	Applicable Honeywell procedure followed
Hold point	Recognition and peer condition checked before proceeding

FC-USI-0002 / Validate the restored communication paths

04 Validate the restored communication paths

1 Test beyond physical connection

Confirm exchange of the expected application data with every configured endpoint. A powered interface or healthy physical connection is insufficient evidence that addressing, configuration and the intended application path have been restored. Compare the observed behavior with the pre-change baseline.

2 Check redundant operation deliberately

Verify that the remaining FC interface and the new successor coexist in the expected controller arrangement. Review state and diagnostics for both sides. Any planned redundancy exercise must follow the plant test procedure; do not introduce an unplanned interruption simply to demonstrate that a spare path exists.

3 Resolve release and configuration discrepancies

If the successor is not accepted, first compare the full release and intended module role with the migration plan. The specific notice excludes releases before R140.1. Avoid treating a communication failure as proof of defective hardware until configuration and compatibility have been checked.

Acceptance	Intended role recognized without unresolved diagnostics
Communication	Every configured endpoint checked
Redundancy	Both interface roles and expected peer state verified

FC-USI-0002 / Handover and future support

05 Handover and future support

1 Preserve the final system record

Record the actual hardware identities after the change, the software release and the validated communication paths. Retain the baseline alongside the final results so later maintenance can distinguish an intentional mixed arrangement from an unexplained configuration change.

2 Keep lifecycle and technical support distinct

FC-USI-0002 was already withdrawn from sales in the August 2019 Honeywell notice. That statement does not establish the current repair entitlement of a particular unit. Confirm support and future migration options separately from the technical acceptance of the installed system.

3 Use each reference for its proper purpose

The official Downloads excerpt describes the successor USI architecture and its explicit FC replacement relationship. Its FX electrical ratings are not FC specifications. This field guide organizes the migration checks; the separate product summary explains selection boundaries and the publicly confirmed replacement options.

Technical basis: Honeywell Safety Manager Hardware Reference, EP-SM.MAN.6284 Issue 1.10; System HINTS, August 2019.

Related product navigation

- Honeywell FC-SDI-1624
- Honeywell FC-SDOL-0424
- Honeywell FC-PSU-240516 V1.1

These are related references, not confirmed substitutes or an automatically approved assembly.