Honeywell FC-USI-0002

01 Function and selected configuration

Product function

Honeywell FC-USI-0002 forms part of the controller communication arrangement in an installed Safety Manager system. Replacement planning must preserve external communication paths and the relationship between redundant controller modules.

Selected configuration

legacy Universal Safety Interface service in a Safety Manager controller. The replacement can operate in the role of FC-USI-0002 and can coexist with an FC interface in a redundant Safety Manager controller. Online replacement is supported within the applicable Honeywell procedure and supported software release.

Functional path

Installed FC interface

Release assessment

Supported FX migration

Communication validation

Replacement interface	FX-USI-0002 is pin-to-pin and function compatible
Software boundary	FX replacement requires Safety Manager R140.1 or later
Redundant operation	FX can operate with an existing FC-USI-0002

Compatibility is not an instruction to change both redundant modules simultaneously. Establish the installed release, active communication paths and recovery plan first; then verify the changed interface and peer operation before closing the work.

FC-USI-0002 / Technical operating envelope

02 Technical operating envelope

Interface role	Universal Safety Interface
Controller system	Safety Manager
Successor hardware	FX-USI-0002
Replacement pin compatibility	Pin-to-pin

Replacement functional compatibility	FC-USI-0002 function supported
Minimum release for FX replacement	Safety Manager R140.1
Redundant peer compatibility	FX-USI-0002 with installed FC-USI-0002
Replacement operating mode	Online, subject to supported release and procedure

Use the conservative R140.1 minimum from the specific withdrawal and replacement notice. A generic R140 family statement does not establish compatibility with every earlier maintenance release.

Release decision

FX-USI-0002 is not supported on Safety Manager releases earlier than R140.1. Check the full installed release rather than relying on the broad R140 family label.

Specification boundary

No. The successor hardware has its own ratings. Pin and function compatibility does not make all component, processor or electrical specifications identical.

FC-USI-0002 / System integration and applications

03 System integration and applications

Legacy Safety Manager maintenance

Retain the installed interface role and exact release context while assessing service options.

Supported successor migration

Plan an FX replacement only after confirming R140.1 or later and the applicable change procedure.

Mixed redundant interfaces

Evaluate an FX successor alongside an installed FC-USI-0002 peer with redundancy-state checks.

Communication recovery planning

Prepare path-specific tests and a recovery route for changes to a controller communication interface.

System and supply context

This listing concerns FC-USI-0002. The FX successor is a separate item; a quotation for one does not include the other. Controller software and redundant-peer configuration determine the migration path.

Application boundary

The applications concern installed-system interface service and replacement engineering. They do not establish an independent safety integrity rating or authorization to bypass the plant change procedure.

Why is R140.1 important when migrating an FC-USI-0002 installation?

FX-USI-0002 is not supported on Safety Manager releases earlier than R140.1. Check the full installed release rather than relying on the broad R140 family label.

FC-USI-0002 / Engineering selection decisions

04 Engineering selection decisions

Can FC-USI-0002 be replaced by FX-USI-0002 without changing the pin interface?

The FX module is pin-to-pin and function compatible with FC-USI-0002. Confirm the installed software release and follow the applicable replacement procedure before changing hardware.

Must both FC-USI-0002 modules in a redundant controller be replaced together?

The FX replacement can function with an existing FC-USI-0002 peer in a redundant controller. Mixed operation is supported; use the approved change sequence and confirm redundancy health.

What is the alternative when an FC-USI-0002 system is older than R140.1?

Plan a supported software upgrade before using the FX successor. If the upgrade cannot be scheduled, evaluate an appropriate legacy spare and support plan for the existing release.

Which result confirms an FC-USI-0002 replacement is ready for service?

Verify that the replacement is recognized in the intended role, its redundant peer remains healthy, and every configured communication path exchanges the expected data without unresolved diagnostics.

Use the approved sequence	Online capability does not replace the Honeywell maintenance procedure.
Keep hardware ratings separate	Do not copy FX electrical or environmental values into FC equipment records.

FC-USI-0002 / Configuration boundary and references

05 Configuration boundary and references

Lifecycle and support

FC-USI-0002 had already been withdrawn from sales in Honeywell’s August 2019 notice. The notice does not establish the current repair or support entitlement for a particular installed unit.

Replacement assessment

Use FX-USI-0002 only with a compatible Safety Manager release, R140.1 or later, and the approved replacement procedure. Verify peer-module operation and all configured communication paths.

Document roles

Use the original manufacturer excerpt for its preserved technical tables and drawings. This product brief explains configuration and selection boundaries. The independent installation guide organizes preparation, connection, testing and handover. It does not replace the applicable manufacturer installation instructions.

Technical basis

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

Related product navigation

- Honeywell FC-QPP-0002
- Honeywell FC-SAI-1620M
- Honeywell FC-SDO-0824

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

Product enquiries