

INDUSTRIAL AUTOMATION PRODUCT

10014/F/F

Dual RS-232 Communication Module

Honeywell 10014/F/F is a Fail Safe Controller communication module with two tri-state RS-232 interfaces. It exchanges serial data between the FSC Central Part and connected equipment.

IDENTITY	VERIFIED VALUE
Manufacturer	Honeywell
System family	Fail Safe Controller
Part number	10014/F/F
Country	USA
HS code	8537101190

APTER POWER SALES TEAM

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Technical Specifications

Technical values below are limited to the named Honeywell product record.

PARAMETER	TECHNICAL VALUE
Interface channels	2
Electrical interface	RS-232
Output state	Tri-state
Program storage	FLASH

DUAL SERIAL INTERFACE RECORD

INTERFACE ITEM	DOCUMENTED VALUE
Serial channel 1	RS-232 interface with tri-state output
Serial channel 2	RS-232 interface with tri-state output
Controller side	FSC Central Part communication path
Equipment side	Two installed RS-232 serial cables
Application storage	FLASH program storage

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System Role and Architecture

Honeywell 10014/F/F is a Fail Safe Controller communication module with two tri-state RS-232 interfaces. It exchanges serial data between the FSC Central Part and connected equipment.

FUNCTION 1

Provides two serial communication channels

FUNCTION 2

Uses tri-state RS-232 interfaces

FUNCTION 3

Links the FSC Central Part to external serial equipment

FUNCTION 4

Stores communication-module firmware in flash memory

Matched system components

- FSC Central Part
- Two RS-232 serial cables
- Configured peer devices
- FSC communication application

FSC SERIAL COMMUNICATION PATH

PATH ELEMENT	SYSTEM ROLE
Serial channel 1	RS-232 interface with tri-state output
Serial channel 2	RS-232 interface with tri-state output
Controller side	FSC Central Part communication path
Equipment side	Two installed RS-232 serial cables
Application storage	FLASH program storage

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Applications and Engineering Context

Safety-system serial gateways

Provides two serial communication channels

Package-unit data exchange

Uses tri-state RS-232 interfaces

FSC maintenance communication

Links the FSC Central Part to external serial equipment

Legacy serial-device integration

Stores communication-module firmware in flash memory

TECHNICAL NOTE

Record both port assignments and serial settings, isolate connected equipment and verify controlled receive/transmit operation on each channel after installation.

DUAL-CHANNEL ACCEPTANCE EVIDENCE

CHECK	PASS CONDITION
Model identity	10014/F/F marking retained in the cabinet record
Channel allocation	Both installed serial-port assignments recorded
Cable identity	Both RS-232 cable tags and peer devices matched
Output behavior	Tri-state output duty checked during controlled test
Firmware record	Installed FLASH program revision recorded
Return to service	Receive and transmit operation proven per channel

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Engineering Precautions

1

Verify the complete 10014/F/F marking and its assigned Fail Safe Controller position before work.

2

Isolate the energy associated with FSC Central Part before disconnecting 10014/F/F.

3

Protect the 10014/F/F connectors and electronic assembly using approved ESD controls.

4

Record the as-found Two RS-232 serial cables connections and configured assignment before replacement.

5

Confirm Configured peer devices matches the approved installation record for 10014/F/F.

6

Restore 10014/F/F under controlled conditions and review its model-specific diagnostics.

7

Complete a documented functional test for safety-system serial gateways before release.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
10014/H/F	FSC communication module	Open product page
10002/1/2	FSC control and I/O system module	Open product page
10005/1/1	FSC system module	Open product page
10012/1/2	FSC system interface module	Open product page

MANUFACTURER SOURCE RECORD

Honeywell Fail Safe Controller Hardware Manual
FS02500

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