

10014/H/I

RS-422/RS-485 Communication Module

Honeywell 10014/H/I is an FSC communication module for RS-422 and RS-485 networks. It provides the balanced serial interface between the Fail Safe Controller Central Part and external equipment.

PRODUCT SNAPSHOT

BRAND

Honeywell

FAMILY

Fail Safe Controller

PART

10014/H/I

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10014/H/I

PRODUCT OVERVIEW

Honeywell 10014/H/I is an FSC communication module for RS-422 and RS-485 networks. It provides the balanced serial interface between the Fail Safe Controller Central Part and external equipment.

1

Interfaces the FSC Central Part to balanced serial networks

2

Supports RS-422 and RS-485 physical layers

3

Carries configured process communication telegrams

4

Uses flash-based communication firmware

SYSTEM COMPONENTS

FSC Central Part

Shielded RS-422 or RS-485 cable

Configured serial peer

Termination and bias network

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
10014/F/F	FSC dual RS-232 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

TECHNICAL DATA

PARAMETER	VALUE
Electrical interface	RS-422; RS-485
System interface	FSC Central Part

PARAMETER	VALUE
Program storage	FLASH

SYSTEM CONNECTION AND ACCEPTANCE RECORD

RECORD ITEM	DOCUMENTED ASSIGNMENT
Installed host / carrier	FSC Central Part
Companion hardware	Shielded RS-422 or RS-485 cable
Field connection	Configured serial peer
Primary system function	Interfaces the FSC Central Part to balanced serial networks
Controlled acceptance duty	Multidrop safety-system integration

TECHNICAL NOTE

Preserve polarity, shield treatment and termination locations, match every serial setting and verify read-only traffic before enabling control writes.

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

Multidrop safety-system integration

Interfaces the FSC Central Part to balanced serial networks

Long-distance package communication

Supports RS-422 and RS-485 physical layers

Balanced serial gateway links

Carries configured process communication telegrams

FSC network migration

Uses flash-based communication firmware

PRODUCT PRECAUTIONS

- 1 Verify the complete 10014/H/I marking and its assigned Fail Safe Controller position before work.
- 2 Isolate the energy associated with FSC Central Part before disconnecting 10014/H/I.
- 3 Protect the 10014/H/I connectors and electronic assembly using approved ESD controls.
- 4 Record the as-found Shielded RS-422 or RS-485 cable connections and configured assignment before replacement.
- 5 Confirm Configured serial peer matches the approved installation record for 10014/H/I.
- 6 Restore 10014/H/I under controlled conditions and review its model-specific diagnostics.
- 7 Complete a documented functional test for multidrop safety-system integration before release.

ENGINEER FAQ

Q1 How is 10014/H/I identified before installation in a Fail Safe Controller cabinet?

Match the full 10014/H/I marking and part number 10014/H/I to the assigned position and installed FSC Central Part.

Q3 What wiring information should be recorded before removing 10014/H/I?

Record terminal identifiers, polarity or phase, shields, cable tags and the as-found channel or port assignment for 10014/H/I.

Q5 Can 10014/H/I be moved to a different slot or duty without review?

No. Confirm keying, companion hardware and the approved configuration before assigning 10014/H/I to another position or function.

Q7 What should be checked if 10014/H/I does not support long-distance package communication after installation?

Check seating, Shielded RS-422 or RS-485 cable, Configured serial peer, field energy and the model-specific diagnostics before replacing additional hardware.

Q2 Which companion hardware must be checked when replacing 10014/H/I?

Verify FSC Central Part, Shielded RS-422 or RS-485 cable and Configured serial peer against the approved cabinet and project record before fitting the RS-422/RS-485 Communication Module.

Q4 How should engineers validate 10014/H/I after configuration?

Restore the documented Fail Safe Controller assignment, review diagnostics and run a controlled test of its role: interfaces the fsc central part to balanced serial networks.

Q6 Which technical value is especially important during 10014/H/I commissioning?

Verify Program storage is FLASH and use the named manufacturer procedure for the controlled functional test.

Q8 What evidence should be retained after 10014/H/I returns to service?

Retain the full model identity, as-left connections, configuration, diagnostic result and the final controlled test record for multidrop safety-system integration.