

CC-ZHR041

UHIO-2 C300 and Control Firewall Migration Kit

Redundant C300 control and FTE interface arrangement

PRODUCT SNAPSHOT

BRAND

Honeywell

FAMILY

Experion Series-C UHIO-2

PART

CC-ZHR041

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PRODUCT OVERVIEW

Redundant C300 control and FTE interface arrangement

1

Combines two C300/Control Firewall hardware sets

2

Supports a redundant controller architecture

3

Provides a horizontal migration mounting arrangement

4

Retains the documented UHIO-2 cabinet interface

SYSTEM COMPONENTS

two C300 controllers

two nine-port Control Firewall modules

horizontal IOTA/mounting hardware

FTE and cabinet cabling

TECHNICAL NOTE

Confirm the complete CC-ZHR041 kit contents, horizontal mounting position, paired controller/firewall identities, FTE cabling and redundant node assignment before power-up.

TECHNICAL DATA

PARAMETER	VALUE
Assembly type	UHIO-2 migration kit
Controller arrangement	Redundant C300

PARAMETER	VALUE
Firewall arrangement	Redundant 9-port Control Firewall
Installed sets	Two C300/CF9 sets

ENGINEERING NOTE

Confirm the complete CC-ZHR041 kit contents, horizontal mounting position, paired controller/firewall identities, FTE cabling and redundant node assignment before power-up.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
MC-TAOY25-51305865-275	Related industrial automation product	View MC-TAOY25-51305865-275 page
MC-TPIX12-51304084-175	Related industrial automation product	View MC-TPIX12-51304084-175 page
MC-TLPA02-51309204-175	Related industrial automation product	View MC-TLPA02-51309204-175 page
MC-TDIY22-51204160-175	Related industrial automation product	View MC-TDIY22-51204160-175 page
MC-TAOY22-51204172-175	Related industrial automation product	View MC-TAOY22-51204172-175 page
MC-TAMR03-51309218-175	Related industrial automation product	View MC-TAMR03-51309218-175 page
51304511-200	Related industrial automation product	View 51304511-200 page
51196653-100	Related industrial automation product	View 51196653-100 page

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

Legacy cabinet C300 migration

Combines two C300/Control Firewall hardware sets

Redundant controller modernization

Supports a redundant controller architecture

Horizontal I/O cabinet retrofit

Provides a horizontal migration mounting arrangement

C300/CF9 service assembly renewal

Retains the documented UHIO-2 cabinet interface

PRODUCT PRECAUTIONS

- 1 Verify the complete CC-ZHR041 marking and its assigned UHIO-2 migration-kit position before work.
- 2 Place the connected process and control strategy in the approved maintenance state.
- 3 Isolate the applicable cabinet supply and controller and network field energy before disconnecting conductors.
- 4 Record terminal numbers, channel assignments, polarity, shields and configured ranges before removal.
- 5 Use ESD controls and protect the backplane connector, terminal hardware and coated electronics.
- 6 Confirm the installed paired C300 and CF9 modules and carrier arrangement against the approved project.
- 7 Restore power in a controlled sequence and clear only diagnostics created by the maintenance activity.
- 8 Complete redundancy, switchover and FTE communication tests and retain the measured result before returning the channel to automatic service.

ENGINEER FAQ

Q1 Does CC-ZHR041 match two C300 controllers in a Legacy cabinet C300 migration installation?

Verify the complete CC-ZHR041 marking, the documented Experion Series-C UHIO-2 position and the installed two C300 controllers before fitting the assembly.

Q2 How should CC-ZHR041 be wired when it must combines two c300/control firewall hardware sets?

Isolate the circuit, identify every terminal and reproduce the approved polarity, shield and channel assignment for CC-ZHR041; then continuity-test the affected path.

Q3 Which Experion Series-C UHIO-2 records should be captured before removing CC-ZHR041?

Record the as-found wiring, installed position, active configuration and diagnostic state associated with CC-ZHR041 before disconnection.

Q4 What controlled test confirms that CC-ZHR041 can supports a redundant controller architecture?

Apply the approved field or simulated stimulus, observe the Experion Series-C UHIO-2 indication and confirm the intended response without bypassing the normal interlocks.

Q5 Which two nine-port Control Firewall modules condition should be checked when CC-ZHR041 reports an abnormal state?

Check the two nine-port Control Firewall modules supply, seating and connection first, then compare channel diagnostics with the recorded CC-ZHR041 baseline.

Q6 Can CC-ZHR041 be moved directly into Redundant controller modernization without validating FTE and cabinet cabling?

No. Confirm the FTE and cabinet cabling, revision, connection scheme and Experion Series-C UHIO-2 configuration before transferring CC-ZHR041 to that duty.

Q7 What maintenance evidence is required after CC-ZHR041 is used for Horizontal I/O cabinet retrofit?

Retain the nameplate record, corrective action, final diagnostics and a controlled horizontal i/o cabinet retrofit functional-test result for CC-ZHR041.

Q8 How should CC-ZHR041 be returned to service in C300/CF9 service assembly renewal?

Restore power under control, verify provides a horizontal migration mounting arrangement, exercise the intended signal path and release CC-ZHR041 only after the Experion Series-C UHIO-2 remains in its approved operating state.

SOURCE Honeywell Series-C I/O User's Guide | EPDOC-X126-en-A

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