

DC-TCF901

Series C Mark II Control Firewall IOTA

Honeywell DC-TCF901 is the CF9 Input/Output Termination Assembly for a Series C Mark II cabinet. It provides the Control Firewall module interface, nine FTE connections and 24 Vdc module power distribution.

PRODUCT SNAPSHOT

BRAND

Honeywell

FAMILY

Experion Series C Mark II

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PRODUCT OVERVIEW

Honeywell DC-TCF901 is the CF9 Input/Output Termination Assembly for a Series C Mark II cabinet. It provides the Control Firewall module interface, nine FTE connections and 24 Vdc module power distribution.

1

Seats the CC-PCF901 Control Firewall module

2

Terminates eight in-cabinet FTE downlinks

3

Provides one supervisory-network FTE uplink

4

Distributes 24 Vdc power to the CF9 module

SYSTEM COMPONENTS

Series C Mark II cabinet backplane

CC-PCF901 Control Firewall module

Eight in-cabinet FTE cables

Supervisory FTE uplink cable

DOCUMENTED FTE TOPOLOGY

INTERFACE	SYSTEM CONNECTION
Downlink ports 1-8	In-cabinet C300 controllers and Series 8 FIMs
Uplink port 9	FTE supervisory network
Control Firewall module	CC-PCF901 seated on DC-TCF901
Cabinet interface	Series C Mark II backplane

TECHNICAL DATA

PARAMETER	VALUE
Hardware type	CF9 Input/Output Termination Assembly
Cabinet generation	Series C Mark II
Mounting interface	Series C Mark II backplane
Companion module	CC-PCF901
Network technology	Fault Tolerant Ethernet
FTE downlink ports	8

PARAMETER	VALUE
FTE supervisory uplink ports	1
Total FTE ports	9
Power distribution	24 Vdc to CF9 module
Printed-wiring-board protection	Coated
Single-mode fiber option	CC-FSMX01
Multi-mode fiber option	CC-FMMX01

COMMISSIONING ACCEPTANCE

CHECK	PASS CONDITION
Cable identity	Each FTE downlink and supervisory uplink tag retained
Module seating	CC-PCF901 connector fully seated on the IOTA
Power state	Expected power and status indications after controlled energizat

TECHNICAL NOTE

Record every downlink and uplink cable identity before removing DC-TCF901. After seating the CC-PCF901 module, restore the documented FTE topology, verify power and status indications, and test communication to each connected cabinet node.

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

C300 cabinet FTE distribution

Seats the CC-PCF901 Control Firewall module

Series 8 FIM network connection

Terminates eight in-cabinet FTE downlinks

Supervisory FTE uplink termination

Provides one supervisory-network FTE uplink

Control Firewall hardware replacement

Distributes 24 Vdc power to the CF9 module

PRODUCT PRECAUTIONS

- 1 Verify the complete DC-TCF901 marking and its assigned Experion Series C Mark II position before work.
- 2 Isolate the energy associated with Series C Mark II cabinet backplane before disconnecting DC-TCF901.
- 3 Protect the DC-TCF901 connectors and electronic assembly using approved ESD controls.
- 4 Record the as-found CC-PCF901 Control Firewall module connections and configured assignment before replacement.
- 5 Confirm Eight in-cabinet FTE cables matches the approved installation record for DC-TCF901.
- 6 Restore DC-TCF901 under controlled conditions and review its model-specific diagnostics.
- 7 Complete a documented functional test for c300 cabinet fte distribution before release.

ENGINEER FAQ

Q1 Does DC-TCF901 match Series C Mark II cabinet backplane in a C300 cabinet FTE distribution installation?

Verify the complete DC-TCF901 marking, the documented Experion Series C Mark II position and the installed Series C Mark II cabinet backplane before fitting the assembly.

Q2 How should DC-TCF901 be wired when it must seats the cc-pcf901 control firewall module?

Isolate the circuit, identify every terminal and reproduce the approved polarity, shield and channel assignment for DC-TCF901; then continuity-test the affected path.

Q3 Which Experion Series C Mark II records should be captured before removing DC-TCF901?

Record the as-found wiring, installed position, active configuration and diagnostic state associated with DC-TCF901 before disconnection.

Q4 What controlled test confirms that DC-TCF901 can terminates eight in-cabinet fte downlinks?

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

Q5 Which CC-PCF901 Control Firewall module condition should be checked when DC-TCF901 reports an abnormal state?

Check the CC-PCF901 Control Firewall module supply, seating and connection first, then compare channel diagnostics with the recorded DC-TCF901 baseline.

Q6 Can DC-TCF901 be moved directly into Series 8 FIM network connection without validating Supervisory FTE uplink cable?

No. Confirm the Supervisory FTE uplink cable, revision, connection scheme and Experion Series C Mark II configuration before transferring DC-TCF901 to that duty.

Q7 What maintenance evidence is required after DC-TCF901 is used for Supervisory FTE uplink termination?

Retain the nameplate record, corrective action, final diagnostics and a controlled supervisory fte uplink termination functional-test result for DC-TCF901.

Q8 How should DC-TCF901 be returned to service in Control Firewall hardware replacement?

Restore power under control, verify provides one supervisory-network fte uplink, exercise the intended signal path and release DC-TCF901 only after the Experion Series C Mark II remains in its approved operating state.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
CC-GDIL01	Series C galvanic digital-input IOTA	Open product page
CC-MCAR01	Experion Series C carrier assembly	Open product page
8C-TDIL01	Series 8 digital-input SOE IOTA	Open product page
8C-TDIL11	Redundant Series 8 SOE IOTA	Open product page