

TC-PRR021

C200 Redundancy Module

Honeywell TC-PRR021 is a redundancy module for an Experion C200 controller pair. It supports coordinated primary and secondary controller operation.

PRODUCT SNAPSHOT

BRAND

Honeywell

FAMILY

Experion C200 ControlNet

PART

51309288-225

ORIGIN / HS

USA / 8537101190

APTER POWER SALES TEAM

WHATSAPP / PHONE

+86 180 3023 5313

EMAIL

sales13@apterpower.com

WEBSITE

www.apterpower.com



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PRODUCT OVERVIEW

Honeywell TC-PRR021 is a redundancy module for an Experion C200 controller pair. It supports coordinated primary and secondary controller operation.

1

Coordinates redundant C200 controllers

2

Supports primary/secondary role management

3

Transfers redundancy state

4

Fits the documented C200 chassis arrangement

SYSTEM COMPONENTS

Two C200 controller processors

C200 chassis

Redundancy cabling

ControlNet communication modules

TECHNICAL DATA

PARAMETER	VALUE
Module function	Redundancy

PARAMETER	VALUE
Controller family	C200

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TECHNICAL NOTE

Record the active controller and synchronization state, maintain both redundancy connections and perform a controlled failover test after service.

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

C200 controller redundancy

Coordinates redundant C200 controllers

Primary/secondary failover testing

Supports primary/secondary role management

Redundancy module replacement

Transfers redundancy state

C200 availability maintenance

Fits the documented C200 chassis arrangement

PRODUCT PRECAUTIONS

- 1 Verify the complete TC-PRR021 marking and the assigned Experion C200 ControlNet position before field work.
- 2 Isolate the applicable power, network and field energy before disconnecting TC-PRR021.
- 3 Use ESD controls and protect the keyed connectors of TC-PRR021 during handling.
- 4 Record the installed wiring, jumpers, node or channel assignment before replacement.
- 5 Confirm Two C200 controller processors and C200 chassis against the approved system configuration.
- 6 Restore TC-PRR021 under controlled conditions and review the product-specific diagnostics.
- 7 Complete a functional test for c200 controller redundancy before production release.

ENGINEER FAQ

Q1 Which Two C200 controller processors identity must be verified before fitting the TC-PRR021 C200 Redundancy Module?

Match the complete TC-PRR021 marking, assigned Experion C200 ControlNet position and installed Two C200 controller processors before work.

Q2 How should C200 chassis be isolated before disconnecting the TC-PRR021 C200 Redundancy Module?

Place the affected process in its approved maintenance state, isolate applicable energy and prove C200 chassis safe before disconnection.

Q3 What as-found wiring record is required for the TC-PRR021 C200 Redundancy Module in C200 controller redundancy?

Record terminal identity, polarity, shields, jumpers, cable tags and the as-found diagnostic state for TC-PRR021.

Q4 Which Experion C200 ControlNet configuration must be checked when commissioning the TC-PRR021 C200 Redundancy Module?

Verify the assigned channel, slot, node or interface and compare it with the approved Experion C200 ControlNet configuration before enabling TC-PRR021.

Q5 How can the TC-PRR021 C200 Redundancy Module be function-tested for Primary/secondary failover testing without disturbing the process?

Use a controlled stimulus or limited command, observe the expected system indication and confirm the intended response while normal interlocks remain effective.

Q6 Which diagnostics should be reviewed if the TC-PRR021 C200 Redundancy Module stops performing its assigned system function?

Check seating, the matched Two C200 controller processors, the condition of C200 chassis and the model-specific diagnostics before replacing more hardware.

Q7 Can the TC-PRR021 C200 Redundancy Module used for Redundancy module replacement be transferred to another Experion C200 ControlNet position without engineering review?

No. Confirm the hardware execution, connector scheme and approved Experion C200 ControlNet configuration before transferring TC-PRR021 to a different duty.

Q8 What evidence should be retained after the TC-PRR021 C200 Redundancy Module returns to C200 availability maintenance service?

Retain the physical identification, as-left wiring or configuration, final diagnostics and controlled functional-test result for TC-PRR021.

SOURCE Honeywell System HINTS November 2020 | C200 hardware list

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