

INDUSTRIAL AUTOMATION PRODUCT

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.

| IDENTITY      | VERIFIED VALUE           |
|---------------|--------------------------|
| Manufacturer  | Honeywell                |
| System family | Experion C200 ControlNet |
| Part number   | 51309288-225             |
| Country       | USA                      |
| HS code       | 8537101190               |

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TC-PRR021

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Technical Specifications

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

| PARAMETER         | TECHNICAL VALUE |
|-------------------|-----------------|
| Module function   | Redundancy      |
| Controller family | C200            |

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## System Role and Architecture

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

**FUNCTION 1**

Coordinates redundant C200 controllers

**FUNCTION 2**

Supports primary/secondary role management

**FUNCTION 3**

Transfers redundancy state

**FUNCTION 4**

Fits the documented C200 chassis arrangement

### Matched system components

- Two C200 controller processors
- C200 chassis
- Redundancy cabling
- ControlNet communication modules

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## Applications and Engineering Context

### 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

### TECHNICAL NOTE

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

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## Engineering 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.

### MANUFACTURER SOURCE RECORD

Honeywell System HINTS November 2020

C200 hardware list

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