# Honeywell 51401594-200

KJMP Load Board / Work scope and retained evidence

This guide controls identification, wiring records, safe restoration and witnessed commissioning for Honeywell 51401594-200 in its documented TDC 3000 Dual Node Module position.

### PREPARATION 1

Verify the complete 51401594-200 marking and KJMP board identity.

### PREPARATION 2

Record the Dual Node Module, node half, slot and LCNE/LCNE2 cable path.

### PREPARATION 3

Place the affected LCN segment in its approved maintenance state.

### PREPARATION 4

Isolate node power and use grounded ESD handling for the board.

| | |
|---|---|
| **Retain** | Exact label, position and approved configuration |
| **Protect** | Personnel, process, contacts and field circuits |
| **Record** | Wiring, addresses, project and observed baseline |
| **Release** | Only after witnessed diagnostics and functional checks |

## Pre-work boundary

No conductor, memory device, network setting or terminal position is changed until its installed identity has been captured in the maintenance record.

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|---|---|
| **Work package** | Exact Honeywell 51401594-200 scope |
| **System owner** | Responsible person for the affected TDC 3000 Dual Node Module installation |
| **Backup owner** | Named custodian of the validated software or configuration copy |
| **Field witness** | Person confirming conductor, connector and terminal identity |
| **Release witness** | Person approving diagnostics and the final functional test |

### READY TO REMOVE

Isolation, backups, labels and baseline observations are complete.

### NOT READY

Any unresolved identity, connection or project discrepancy stops the work.

# Honeywell 51401594-200

KJMP Load Board / Mechanical and electrical preparation

### FIELD CONTROL 1

Confirm that the board position is the documented KJMP load application.

### FIELD CONTROL 2

Do not install a CS/R board in I/O Slot 1 of the host arrangement.

### FIELD CONTROL 3

Restore the two fiber-link paths without creating a common power-supply dependency.

### FIELD CONTROL 4

Check power, LCN communication and redundancy status before release.

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|---|---|
| **Identity check** | 51401594-200 |
| **Configuration set** | Project, channel, address or interface data retained |
| **Physical record** | Slot, terminal, connector and cable positions captured |
| **Energy control** | Rack, field and connected process sources isolated |
| **Handling** | Grounded ESD and protected contacts |
| **Inspection** | No contamination, damage or loose termination |

## Installation decision

Proceed only when the replacement identity and every required restoration record are available at the work location.

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|---|---|
| **Mechanical fit** | Mounting, rack seating, cutout or terminal mating confirmed |
| **Electrical fit** | Supply, polarity, commons, ranges and protection checked |
| **Information fit** | Addresses, project, memory or runtime application retained |
| **Environmental fit** | Enclosure, grounding, contamination and cable condition reviewed |
| **Service fit** | Test equipment, approved procedure and rollback plan available |

### PRE-ENERGIZATION HOLD

Keep 51401594-200 de-energized until every fit check is signed.

### RESTORATION BASIS

Return connections and configuration to the captured approved baseline only.

# Honeywell 51401594-200

KJMP Load Board / Controlled restoration

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|---|---|
| **1 / isolate** | Apply the approved machine, rack and field energy controls. |
| **2 / capture** | Record exact identity, connections, software and observed baseline. |
| **3 / exchange** | Protect contacts and restore the documented physical arrangement. |
| **4 / configure** | Apply only the validated project, addresses, ranges or runtime files. |
| **5 / diagnose** | Review module, network and system indicators before operation. |
| **6 / prove** | Witness each required field response and retain the acceptance record. |

### STOP CONDITION

Pause when an identifier, conductor, project or interface does not match the approved record.

### ESCALATION

Resolve discrepancies through engineering review before power or process control is restored.

## Controlled restoration

For 51401594-200, restoration is controlled as a chain: captured physical arrangement, validated configuration, correct seating or termination, healthy diagnostics and proven system response.

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|---|---|
| **Visual inspection** | No bent contacts, damaged threads, contamination or trapped conductor |
| **Connection inspection** | Every connector, screw or memory device is fully seated |
| **Configuration inspection** | Loaded revision and settings match the retained baseline |
| **Diagnostic inspection** | Status indications are interpreted before field operation |
| **Functional inspection** | Required response is proved without bypassing safeguards |

### ROLLBACK POINT

Stop and return to the safe state if any restoration check fails.

### TRACEABILITY

Attach readings, screenshots or observations to the 51401594-200 work order.

# Honeywell 51401594-200

KJMP Load Board / Commissioning sequence

| | |
|---|---|
| **Pre-work** | Identity, backups, wiring and energy controls complete |
| **Post-install** | Seating, terminals, grounding and configuration verified |
| **Diagnostics** | Relevant module, network and system status reviewed |
| **Functional proof** | Required inputs, outputs, communications or HMI actions witnessed |
| **Handover** | Exceptions, measurements and restored revision recorded |

## Commissioning questions

### 51401594-200: what board function does Honeywell assign?

Honeywell identifies 51401594-200 as the KJMP board for a power-supply load application.

### 51401594-200: where is it used?

It is used in a Dual Node Module node that hosts LCNE or LCNE2 fiber-optic link hardware.

### 51401594-200: what must be recorded before removal?

Record the node half, slot, LCNE/LCNE2 type, LCN cable path and power-supply arrangement.

### 51401594-200: what is inspected before restoring power?

Check board identity, slot, connector seating, load-board resistors, host-link hardware and cable-path labeling.

### 51401594-200: why is a load board required in an LCNE host node?

LCNE or LCNE2 boards alone may not load the power supply enough for it to operate within specification.

### 51401594-200: which slot warning applies?

Do not place a CS/R board in I/O Slot 1 of the LCNE/LCNE2 host arrangement.

### 51401594-200: how should redundant fiber-link paths be arranged?

Use separate power supplies for the two link paths so one supply failure does not remove both Cable A and Cable B.

### 51401594-200: what completes acceptance?

Confirm stable node power, healthy LCNE/LCNE2 communication and the intended LCN path redundancy.

## Decision closeout

Close the 51401594-200 work order with isolation removal, restored settings, inspection results and every required functional witness documented.

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|---|---|
| **Question coverage** | Identity, function, configuration and field handling addressed |
| **Open item** | Any unanswered exact-model point is listed without guessed data |
| **Decision owner** | Responsible engineering or maintenance role identified |
| **Supporting record** | Drawing, project revision, readings and witnessed result attached |

### APPROVAL

The 51401594-200 decision is accepted only within the documented scope.

### REVIEW TRIGGER

A different suffix, wiring arrangement, project or application requires a new review.

# Honeywell 51401594-200

KJMP Load Board / Handover and support

| | |
|---|---|
| **Work identity** | Honeywell 51401594-200 |
| **Precondition** | Safe state plus complete restoration record |
| **Installation evidence** | Position, terminals, cables, settings and software baseline |
| **Commissioning evidence** | Diagnostics plus witnessed functional result |
| **Handover** | Recorded revision, exceptions and responsible approval |

| | |
|---|---|
| **Retained evidence** | Nameplate, source title, configuration baseline and field record |
| **Installation evidence** | Isolation, conductor/connector record and post-work inspection |
| **Commissioning evidence** | Diagnostics, measurements and intended response |
| **Final record** | Responsible witness, date, exceptions and approved disposition |

## VERIFIED APTER POWER CATALOG REFERENCES

Navigation only; compatibility, substitution and manufacturer endorsement are not implied.

| | |
|---|---|
| **Honeywell 10014/H/I RS-422/RS-485 Communication Module** | View Honeywell 10014/H/I RS-422/RS-485 Communication Module page |
| **10014/F/F Honeywell Dual RS-232 Communication Module** | View 10014/F/F Honeywell Dual RS-232 Communication Module page |

## MANUFACTURER EVIDENCE RECORD

**Honeywell Dual Node Module Service Manual**

LC13-510, September 1995

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Send the exact model, quantity, destination and requested condition for a quotation.