

51304540-200

EC-Compatible LCNE2 LCN Extender Board

Honeywell 51304540-200 is an EC-compatible LCNE2 Local Control Network extender board. It provides the node-side interface for an engineered LCN extension.

PRODUCT SNAPSHOT

BRAND

Honeywell

FAMILY

TDC 3000 Local Control Network

PART

51304540-200

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PRODUCT OVERVIEW

Honeywell 51304540-200 is an EC-compatible LCNE2 Local Control Network extender board. It provides the node-side interface for an engineered LCN extension.

1

Extends Local Control Network cabling

2

Provides the EC-compatible LCNE2 interface

3

Links an LCN extension path

4

Supports legacy coax-network service

SYSTEM COMPONENTS

LCNE2 card position

LCN A/B coax paths

Extender cabling

EC grounding arrangement

TECHNICAL DATA

PARAMETER	VALUE
Board type	LCNE2
Function	LCN extender

PARAMETER	VALUE
EC compatibility	Yes

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TECHNICAL NOTE

Preserve A/B network identity and EC grounding, then verify both LCN paths and node communication before returning the extension to service.

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

LCN cabinet extension

Extends Local Control Network cabling

Remote TDC 3000 node links

Provides the EC-compatible LCNE2 interface

Legacy coax path repair

Links an LCN extension path

LCNE2 board replacement

Supports legacy coax-network service

PRODUCT PRECAUTIONS

- 1 Verify the complete 51304540-200 marking and the assigned TDC 3000 Local Control Network position before field work.
- 2 Isolate the applicable power, network and field energy before disconnecting 51304540-200.
- 3 Use ESD controls and protect the keyed connectors of 51304540-200 during handling.
- 4 Record the installed wiring, jumpers, node or channel assignment before replacement.
- 5 Confirm LCNE2 card position and LCN A/B coax paths against the approved system configuration.
- 6 Restore 51304540-200 under controlled conditions and review the product-specific diagnostics.
- 7 Complete a functional test for lcn cabinet extension before production release.

ENGINEER FAQ

Q1 Which LCNE2 card position identity must be verified before fitting the 51304540-200 EC-Compatible LCNE2 LCN Extender Board?

Match the complete 51304540-200 marking, assigned TDC 3000 Local Control Network position and installed LCNE2 card position before work.

Q2 How should LCN A/B coax paths be isolated before disconnecting the 51304540-200 EC-Compatible LCNE2 LCN Extender Board?

Place the affected process in its approved maintenance state, isolate applicable energy and prove LCN A/B coax paths safe before disconnection.

Q3 What as-found wiring record is required for the 51304540-200 EC-Compatible LCNE2 LCN Extender Board in LCN cabinet extension?

Record terminal identity, polarity, shields, jumpers, cable tags and the as-found diagnostic state for 51304540-200.

Q4 Which TDC 3000 Local Control Network configuration must be checked when commissioning the 51304540-200 EC-Compatible LCNE2 LCN Extender Board?

Verify the assigned channel, slot, node or interface and compare it with the approved TDC 3000 Local Control Network configuration before enabling 51304540-200.

Q5 How can the 51304540-200 EC-Compatible LCNE2 LCN Extender Board be function-tested for Remote TDC 3000 node links 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 51304540-200 EC-Compatible LCNE2 LCN Extender Board stops performing its assigned system function?

Check seating, the matched LCNE2 card position, the condition of LCN A/B coax paths and the model-specific diagnostics before replacing more hardware.

Q7 Can the 51304540-200 EC-Compatible LCNE2 LCN Extender Board used for Legacy coax path repair be transferred to another TDC 3000 Local Control Network position without engineering review?

No. Confirm the hardware execution, connector scheme and approved TDC 3000 Local Control Network configuration before transferring 51304540-200 to a different duty.

Q8 What evidence should be retained after the 51304540-200 EC-Compatible LCNE2 LCN Extender Board returns to LCNE2 board replacement service?

Retain the physical identification, as-left wiring or configuration, final diagnostics and controlled functional-test result for 51304540-200.

SOURCE Honeywell Five/Ten-Slot Module Service | Table 2-5

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