

APTER POWER

COMPLETE PRODUCT INFORMATION

51305072-700

EC-Compatible CLCN-A/B LCN I/O Board

Honeywell 51305072-700 is an EC-compatible CLCN-A/B Local Control Network I/O board. It connects a TDC 3000 node to both engineered LCN coax paths.

PRODUCT SNAPSHOT

BRAND

Honeywell

FAMILY

TDC 3000 Local Control Network

PART

51305072-700

ORIGIN / HS

USA / 8537101190

APTER POWER SALES TEAM

WHATSAPP / PHONE

+86 180 3023 5313

EMAIL

sales13@apterpower.com

WEBSITE

www.apterpower.com



51305072-700

PRODUCT OVERVIEW

Honeywell 51305072-700 is an EC-compatible CLCN-A/B Local Control Network I/O board. It connects a TDC 3000 node to both engineered LCN coax paths.

1

Interfaces both LCN cable paths

2

Supports EC-compatible network grounding

3

Connects a node to the Local Control Network

4

Provides A/B coax I/O handling

SYSTEM COMPONENTS

LCN A coax

LCN B coax

Node cardfile

EC shield bonding

TECHNICAL DATA

PARAMETER	VALUE
Board type	CLCN-A/B
Network function	LCN I/O

PARAMETER	VALUE
EC compatibility	Yes

APTER POWER

TECHNICAL NOTE

Keep LCN A and B connectors identified and separate, confirm EC grounding, and check node visibility on both network paths after service.

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

Dual-path LCN node connection

Interfaces both LCN cable paths

Coax network restoration

Supports EC-compatible network grounding

LCN fault isolation

Connects a node to the Local Control Network

Node-interface replacement

Provides A/B coax I/O handling

PRODUCT PRECAUTIONS

- 1 Verify the complete 51305072-700 marking and the assigned TDC 3000 Local Control Network position before field work.
- 2 Isolate the applicable power, network and field energy before disconnecting 51305072-700.
- 3 Use ESD controls and protect the keyed connectors of 51305072-700 during handling.
- 4 Record the installed wiring, jumpers, node or channel assignment before replacement.
- 5 Confirm LCN A coax and LCN B coax against the approved system configuration.
- 6 Restore 51305072-700 under controlled conditions and review the product-specific diagnostics.
- 7 Complete a functional test for dual-path lcn node connection before production release.

ENGINEER FAQ

Q1 Which LCN A coax identity must be verified before fitting the 51305072-700 EC-Compatible CLCN-A/B LCN I/O Board?

Match the complete 51305072-700 marking, assigned TDC 3000 Local Control Network position and installed LCN A coax before work.

Q2 How should LCN B coax be isolated before disconnecting the 51305072-700 EC-Compatible CLCN-A/B LCN I/O Board?

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

Q3 What as-found wiring record is required for the 51305072-700 EC-Compatible CLCN-A/B LCN I/O Board in Dual-path LCN node connection?

Record terminal identity, polarity, shields, jumpers, cable tags and the as-found diagnostic state for 51305072-700.

Q4 Which TDC 3000 Local Control Network configuration must be checked when commissioning the 51305072-700 EC-Compatible CLCN-A/B LCN I/O Board?

Verify the assigned channel, slot, node or interface and compare it with the approved TDC 3000 Local Control Network configuration before enabling 51305072-700.

Q5 How can the 51305072-700 EC-Compatible CLCN-A/B LCN I/O Board be function-tested for Coax network restoration 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 51305072-700 EC-Compatible CLCN-A/B LCN I/O Board stops performing its assigned system function?

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

Q7 Can the 51305072-700 EC-Compatible CLCN-A/B LCN I/O Board used for LCN fault isolation 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 51305072-700 to a different duty.

Q8 What evidence should be retained after the 51305072-700 EC-Compatible CLCN-A/B LCN I/O Board returns to Node-interface replacement service?

Retain the physical identification, as-left wiring or configuration, final diagnostics and controlled functional-test result for 51305072-700.

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

+86 180 3023 5313 | sales13@apterpower.com | www.apterpower.com