

51402615-400

K2LCN-4 LCN Interface Board

Honeywell 51402615-400 is the K2LCN-4 Local Control Network interface board. It connects an approved PC node to the TDC 3000 LCN communication paths.

PRODUCT SNAPSHOT

BRAND

Honeywell

FAMILY

TDC 3000 PC node

PART

51402615-400

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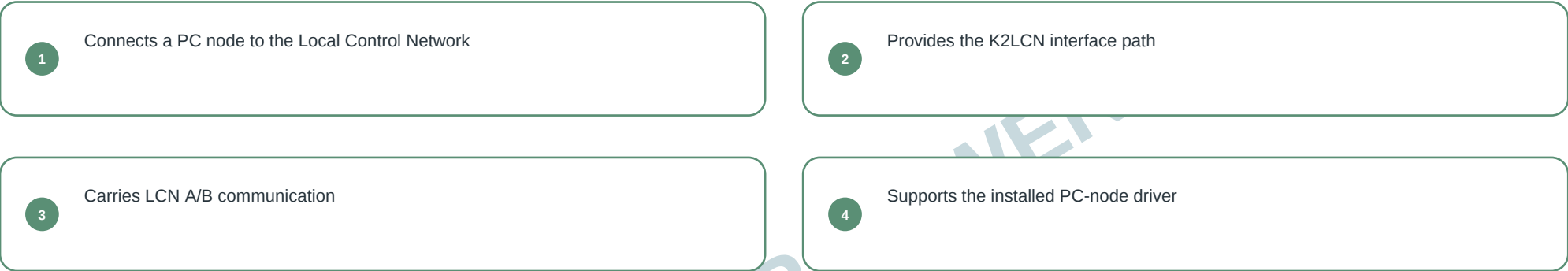
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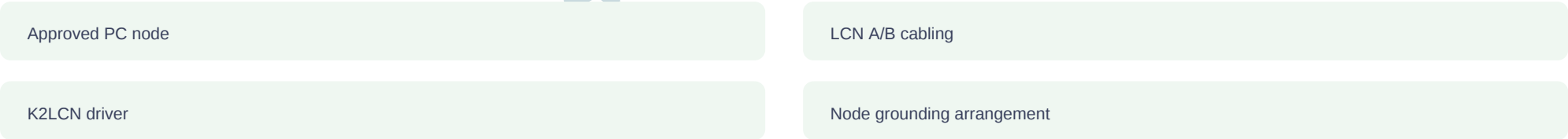
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PRODUCT OVERVIEW

Honeywell 51402615-400 is the K2LCN-4 Local Control Network interface board. It connects an approved PC node to the TDC 3000 LCN communication paths.



SYSTEM COMPONENTS



TECHNICAL DATA

PARAMETER	VALUE
Model alias	K2LCN-4
Board function	LCN interface

PARAMETER	VALUE
Assembly type	PC board

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TECHNICAL NOTE

Preserve LCN A/B cable identity and PC driver settings, then verify node address, network visibility and operator data exchange.

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

GUS PC-node communication

Connects a PC node to the Local Control Network

LCN workstation restoration

Provides the K2LCN interface path

K2LCN board replacement

Carries LCN A/B communication

Legacy operator-node maintenance

Supports the installed PC-node driver

PRODUCT PRECAUTIONS

- 1 Verify the complete 51402615-400 marking and the assigned TDC 3000 PC node position before field work.
- 2 Isolate the applicable power, network and field energy before disconnecting 51402615-400.
- 3 Use ESD controls and protect the keyed connectors of 51402615-400 during handling.
- 4 Record the installed wiring, jumpers, node or channel assignment before replacement.
- 5 Confirm Approved PC node and LCN A/B cabling against the approved system configuration.
- 6 Restore 51402615-400 under controlled conditions and review the product-specific diagnostics.
- 7 Complete a functional test for gus pc-node communication before production release.

ENGINEER FAQ

Q1 Which Approved PC node identity must be verified before fitting the 51402615-400 K2LCN-4 LCN Interface Board?

Match the complete 51402615-400 marking, assigned TDC 3000 PC node position and installed Approved PC node before work.

Q2 How should LCN A/B cabling be isolated before disconnecting the 51402615-400 K2LCN-4 LCN Interface Board?

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

Q3 What as-found wiring record is required for the 51402615-400 K2LCN-4 LCN Interface Board in GUS PC-node communication?

Record terminal identity, polarity, shields, jumpers, cable tags and the as-found diagnostic state for 51402615-400.

Q4 Which TDC 3000 PC node configuration must be checked when commissioning the 51402615-400 K2LCN-4 LCN Interface Board?

Verify the assigned channel, slot, node or interface and compare it with the approved TDC 3000 PC node configuration before enabling 51402615-400.

Q5 How can the 51402615-400 K2LCN-4 LCN Interface Board be function-tested for LCN workstation 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 51402615-400 K2LCN-4 LCN Interface Board stops performing its assigned system function?

Check seating, the matched Approved PC node, the condition of LCN A/B cabling and the model-specific diagnostics before replacing more hardware.

Q7 Can the 51402615-400 K2LCN-4 LCN Interface Board used for K2LCN board replacement be transferred to another TDC 3000 PC node position without engineering review?

No. Confirm the hardware execution, connector scheme and approved TDC 3000 PC node configuration before transferring 51402615-400 to a different duty.

Q8 What evidence should be retained after the 51402615-400 K2LCN-4 LCN Interface Board returns to Legacy operator-node maintenance service?

Retain the physical identification, as-left wiring or configuration, final diagnostics and controlled functional-test result for 51402615-400.

SOURCE Honeywell PC node hardware record | K2LCN-4

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