

51304542-100

KLCN_CA LCN A Cable Interface Converter

Honeywell 51304542-100 is the KLCN_CA cable interface converter for the LCN A path. It forms the A-side hardware connection between a node interface and Local Control Network cabling.

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SCAN FOR PRODUCT & QUOTE

51304542-100

PRODUCT SNAPSHOT

BRAND

Honeywell

FAMILY

TDC 3000 Local Control Network

MODEL

51304542-100

DOCUMENT SET

Technical reference / field workbook / complete information

OFFICIAL PRODUCT DESCRIPTION

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FUNCTION MAP



TECHNICAL DATA

MODEL ALIAS KLCN_CA	NETWORK PATH LCN A
FUNCTION Cable interface converter	SYSTEM FAMILY TDC 3000 LCN
COMPANION PATH KLCN_CB / LCN B	FIELD CONNECTION Installed LCN coax path

ENGINEERING NOTE

Keep the A-side cable identity distinct from B, reproduce the documented shield-grounding arrangement and confirm node traffic over the A path before redundant service is released.

COMMON APPLICATIONS

LCN A-path maintenance

1

Gateway node connection

2

Cable-interface replacement

3

Dual-path network troubleshooting

4

COMPATIBILITY REVIEW

IDENTITY Exact model and hardware execution: 51304542-100	HOST PLATFORM TDC 3000 Local Control Network
PRIMARY COMPANION LCN A coax cable	SECONDARY COMPANION KLCN interface board
FIELD BOUNDARY KLCN_CB companion	ACCEPTANCE DUTY LCN A-path maintenance

MANUFACTURER SOURCE RECORD

Honeywell Enhanced PLC Gateway documentation | KLCN_CA hardware identification

Selection boundary: never transfer ratings, wiring, configuration or compatibility from a visually similar model. Confirm the complete physical label and the manufacturer record for the installed system.

PRODUCT PRECAUTIONS

- 1

Verify the complete 51304542-100 marking, hardware execution and assigned TDC 3000 Local Control Network position.
- 2

Place the process in the approved maintenance state and isolate every applicable energy source.
- 3

Record as-found wiring, shields, jumpers, cable tags, slot identity and diagnostics before removing 51304542-100.
- 4

Use ESD controls and protect keyed connectors, terminals and assemblies while handling 51304542-100.
- 5

Confirm the installed LCN A coax cable and KLCN interface board against approved drawings and configuration records.
- 6

Inspect mating hardware, terminal condition, grounding and mechanical retention before installation.
- 7

Restore power or network service in controlled stages; confirm status indications before functional commands.
- 8

Complete a documented functional test for lcn a-path maintenance and retain the as-left record.

COMMISSIONING ACCEPTANCE

MECHANICAL Correct position, retention and terminal condition	ELECTRICAL / NETWORK Supply, grounding, shields, polarity and continuity confirmed
CONFIGURATION Slot, channel, range and companion hardware match approved records	FUNCTIONAL Controlled lcn a-path maintenance test completed without abnormal diagnostics

Related TDC 3000 Local Control Network products on Apter Power

MODEL	SERIES / SYSTEM ROLE	APTER POWER PAGE
51304544-100	Companion KLCN_CB LCN B cable interface	Open product page
51304511-100	NIM modem I/O board for the PNI I/O position	Open product page
51304511-200	CE-compliant NIM modem I/O board	Open product page
K2LCN-8	TPS node processor board with LCN interface	Open product page
51304540-200	EC-compatible LCNE2 LCN extender board	Open product page

ENGINEER FAQ — 8 MODEL-SPECIFIC CHECKS

Q1	What must be matched before installation?	Match the full 51304542-100 marking, revision or execution, assigned position and installed companion hardware.
Q2	What should be isolated first?	Use the site's approved maintenance state and isolate the energy sources serving LCN A coax cable and KLCN interface board.
Q3	What as-found record is required?	Record terminal identity, polarity, shields, jumpers, cable tags, configuration and diagnostic status.
Q4	Which compatibility check is mandatory?	Compare the TDC 3000 Local Control Network slot, interface, companion hardware and wiring scheme with approved project documentation.
Q5	How should commissioning begin?	Begin with visual and continuity checks, then restore service in stages and observe normal status indications.
Q6	How should the assigned function be proved?	Use a controlled test for lcn a-path maintenance while required interlocks and process safeguards remain effective.
Q7	What should be checked after an abnormal result?	Recheck seating, terminations, supply or network condition, channel assignment and manufacturer diagnostics before further replacement.
Q8	What evidence should be retained?	Retain the 51304542-100 identity, as-left wiring/configuration, final diagnostics and functional-test result.

MANUFACTURER SOURCE RECORD

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