

# 51304544-100

## KLCN\_CB LCN B Cable Interface Converter

Honeywell 51304544-100 is the KLCN\_CB cable interface converter for the LCN B path. It forms the B-side hardware connection between a node interface and Local Control Network cabling.

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SCAN FOR PRODUCT & QUOTE

51304544-100

### PRODUCT SNAPSHOT

#### BRAND

Honeywell

#### FAMILY

TDC 3000 Local Control Network

#### MODEL

51304544-100

#### DOCUMENT SET

Technical reference / field workbook / complete information

OFFICIAL PRODUCT DESCRIPTION

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FUNCTION MAP



TECHNICAL DATA

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

ENGINEERING NOTE

Keep the B-side connection separate from A, reproduce the documented shield-grounding arrangement and test B-path communication before releasing the redundant pair.

COMMON APPLICATIONS

LCN B-path maintenance

1

Gateway redundancy restoration

2

Cable-interface replacement

3

Coax network fault isolation

4

COMPATIBILITY REVIEW

|                                                                     |                                                        |
|---------------------------------------------------------------------|--------------------------------------------------------|
| <b>IDENTITY</b><br>Exact model and hardware execution: 51304544-100 | <b>HOST PLATFORM</b><br>TDC 3000 Local Control Network |
| <b>PRIMARY COMPANION</b><br>LCN B coax cable                        | <b>SECONDARY COMPANION</b><br>KLCN interface board     |
| <b>FIELD BOUNDARY</b><br>KLCN_CA companion                          | <b>ACCEPTANCE DUTY</b><br>LCN B-path maintenance       |

MANUFACTURER SOURCE RECORD

Honeywell Enhanced PLC Gateway documentation | KLCN\_CB 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 51304544-100 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 51304544-100.
- 4

Use ESD controls and protect keyed connectors, terminals and assemblies while handling 51304544-100.
- 5

Confirm the installed LCN B 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 b-path maintenance and retain the as-left record.

COMMISSIONING ACCEPTANCE

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

Related TDC 3000 Local Control Network products on Apter Power

| MODEL                | SERIES / SYSTEM ROLE                         | APTER POWER PAGE                  |
|----------------------|----------------------------------------------|-----------------------------------|
| 51304542-100         | Companion KLCN_CA LCN A cable interface      | <a href="#">Open product page</a> |
| 51304511-100         | NIM modem I/O board for the PNI I/O position | <a href="#">Open product page</a> |
| 51304511-200         | CE-compliant NIM modem I/O board             | <a href="#">Open product page</a> |
| K4LCN-8 51401551-801 | Honeywell LCN node processor hardware        | <a href="#">Open product page</a> |
| 51304540-200         | EC-compatible LCNE2 LCN extender board       | <a href="#">Open product page</a> |

ENGINEER FAQ — 8 MODEL-SPECIFIC CHECKS

|    |                                                  |                                                                                                                                         |
|----|--------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Q1 | What must be matched before installation?        | Match the full 51304544-100 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 B 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 b-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 51304544-100 identity, as-left wiring/configuration, final diagnostics and functional-test result.                           |

MANUFACTURER SOURCE RECORD

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