

KLCN_CA LCN A Cable Interface Converter

Field workbook for exact-model verification, as-found recording, controlled installation and final functional acceptance.

WORK ORDER IDENTITY

Site / unit _____

Equipment tag _____

Drawing / loop reference _____

Technician / date _____

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SCAN FOR PRODUCT & QUOTE

MANDATORY MODEL GATE

- ☐ Physical label reads 51304542-100 in full.
- ☐ Assigned host platform is documented as TDC 3000 Local Control Network.
- ☐ Installed companion hardware includes LCN A coax cable.
- ☐ Field interface and cabling match KLCN interface board.
- ☐ The approved drawings and manufacturer record are available at the work location.
- ☐ No rating or configuration has been copied from a visually similar model.

Pre-work review and as-found record

PRE-WORK CHECKLIST

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

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

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

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

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

AS-FOUND RECORD

Installed position / slot

Companion module or assembly

Supply / network state

Cable and terminal identifiers

Jumpers / range / configuration

Active diagnostics / status indications

Photograph or drawing reference

CONTROLLED INSTALLATION SEQUENCE

- 1

Use ESD controls and protect keyed connectors, terminals and assemblies while handling 51304542-100.
- 2

Confirm the installed LCN A coax cable and KLCN interface board against approved drawings and configuration records.
- 3

Inspect mating hardware, terminal condition, grounding and mechanical retention before installation.
- 4

Restore power or network service in controlled stages; confirm status indications before functional commands.
- 5

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

FIELD TECHNICAL REFERENCE

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

MODEL-SPECIFIC CAUTION

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.

COMMISSIONING STEPS

☐ Confirm mechanical seating, retention, terminal condition and required protective covers.

☐ Verify supply, grounding, shields, polarity, continuity and network state before energization.

☐ Compare slot, channel, range and companion-hardware configuration with approved records.

☐ Restore service in controlled stages and record initial status indications and diagnostics.

☐ Perform a controlled lcn a-path maintenance functional test with process safeguards effective.

☐ Record final diagnostics, configuration, deviations, test evidence and release authorization.

MEASURED / OBSERVED RESULTS

Initial diagnostics

Supply / network value

Channel or command result

Process indication

Interlock / safeguard result

Final status

Related product pages and handover record

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

FINAL HANDOVER CHECKLIST

- ☐ Exact model and installed position confirmed
- ☐ As-left wiring and configuration recorded
- ☐ Manufacturer diagnostics reviewed and cleared or dispositioned
- ☐ Functional test completed with acceptance result attached
- ☐ Protective covers restored and work area inspected
- ☐ Operations / maintenance handover authorization recorded

Released by

Date

Remarks

MANUFACTURER SOURCE RECORD

Honeywell Enhanced PLC Gateway documentation | KLCN_CA hardware identification