PRODUCT DASHBOARD / 01

Honeywell 51402755-100 K4LCN-4

K4LCN Circuit Board

Core function	Exact identity
K4LCN circuit board used in the WDA-type History Module with LCN node-address selection at TS1.	Honeywell 51402755-100 K4LCN-4
Engineering source	**Acceptance scope**
Honeywell History Module Service HM13-501, December 2002, circuit-board replacement and parts-list sections	Identity, interface, configuration and functional response must agree before service.

SYSTEM POSITION

LCN ADDRESS	K4LCN	4 MW BOARD	HISTORY MODULE
TS1 binary weighting	Processor, memory and LCN path	51201795-400	WDA service role

TECHNICAL HIGHLIGHTS

LCN address control	Odd-parity rule	History Module service role	Dedicated memory relationship
Node identity is set through the TS1 pinning block at coordinate 7A.	The removed-jumper count, including the parity jumper, must be odd.	The board is listed in the WDA-type History Module service parts set.	The parts list pairs this K4LCN board with 4-Megaword memory board 51201795-400.

INSTALLED USES

History Module board renewal	LCN node-address restoration	Memory-board pairing review	LCN interface maintenance
Supports controlled replacement of the exact K4LCN circuit board in a WDA-type History Module.	Reproduces the installed node identity using TS1 and the odd-parity rule.	Checks the exact 4-Megaword memory-board identity for the 51402755-100 K4LCN assembly.	Keeps address selection on one chosen board while clearing the unused addressing path.

TECHNICAL MATRIX / 02

Verified product data

Grouped facts retain the exact model, part number and engineering role.

Parameter	Verified value
Board designation	K4LCN
Circuit-board part number	51402755-100
LCN address block	TS1
TS1 board coordinate	7A
Jumper-removed value	Binary 1

Parameter	Verified value
Address parity	Odd
Binary weights	64, 32, 16, 8, 4, 2, 1
Manual example address	03
Module position	Slot 1
Associated 4-Megaword memory board	51201795-400

IDENTITY BOUNDARY

Identity field	Recorded value
Brand	Honeywell
Full model	51402755-100 K4LCN-4
Product type	K4LCN Circuit Board
Primary technical record	Honeywell History Module Service HM13-501, December 2002, circuit-board replacement and parts-list sections

ACCEPTANCE SNAPSHOT

Part identity	Memory identity	Address block	Binary interpretation
K4LCN board is 51402755-100	4-Megaword board is 51201795-400	TS1 is at coordinate 7A	Removed jumper is treated as binary 1

SELECTION RULE

Use the complete marking and the installed interface, configuration and controlled project record; a nearby model or suffix is not a substitute for this identity.

APPLICATION MAP / 03

Installed-system uses

Each use case is framed around the product's confirmed hardware role.

History Module board renewal

Supports controlled replacement of the exact K4LCN circuit board in a WDA-type History Module.

LCN node-address restoration

Reproduces the installed node identity using TS1 and the odd-parity rule.

Memory-board pairing review

Checks the exact 4-Megaword memory-board identity for the 51402755-100 K4LCN assembly.

LCN interface maintenance

Keeps address selection on one chosen board while clearing the unused addressing path.

INTEGRATION REVIEW

Physical identity

Match board, assembly, terminal or slot details.

Configuration identity

Match address, channel, operating mode or power-plan value.

Interface identity

Match companion hardware and field-side connections.

Functional identity

Prove the intended display, network, output or pulse response.

ENGINEERING QUESTIONS

Which circuit-board part number identifies Honeywell 51402755-100 K4LCN-4?

The K4LCN circuit-board part number is 51402755-100.

Where is the LCN address block on Honeywell 51402755-100 K4LCN-4?

The TS1 pinning block is located at coordinate 7A on the board.

What does a removed jumper mean on Honeywell 51402755-100 K4LCN-4?

A removed TS1 jumper represents binary 1.

Which parity rule applies to Honeywell 51402755-100 K4LCN-4?

The total number of removed jumpers, including the parity jumper, must be odd.

CONTROLLED CHANGE PATH

CAPTURE	ISOLATE	INSTALL	TEST	RELEASE
As-found identity	Safe work boundary	Exact product and interface	Product-specific acceptance	As-left evidence

ENGINEERING DECISIONS / 04

FAQ and product precautions

Questions address exact technical decisions; precautions control the corresponding field work.

Which circuit-board part number identifies Honeywell 51402755-100 K4LCN-4?

The K4LCN circuit-board part number is 51402755-100.

Where is the LCN address block on Honeywell 51402755-100 K4LCN-4?

The TS1 pinning block is located at coordinate 7A on the board.

What does a removed jumper mean on Honeywell 51402755-100 K4LCN-4?

A removed TS1 jumper represents binary 1.

Which parity rule applies to Honeywell 51402755-100 K4LCN-4?

The total number of removed jumpers, including the parity jumper, must be odd.

Which binary weights are used by Honeywell 51402755-100 K4LCN-4?

The node-address positions use weights 64, 32, 16, 8, 4, 2 and 1.

Where is Honeywell 51402755-100 K4LCN-4 installed in the module chassis?

The K4LCN circuit board is installed in slot 1 after its node address is selected.

Which memory board is listed with Honeywell 51402755-100 K4LCN-4?

The associated 4-Megaword memory board is part number 51201795-400.

How should the unused LCN address-selection path be handled for Honeywell 51402755-100 K4LCN-4?

Remove all jumpers from the unused address board or set its configuration switches to zero before commissioning.

EIGHT PRODUCT PRECAUTIONS

1

Use a grounded wrist strap, grounded work surface and ESD-safe container.

2

Confirm both 51402755-100 and the K4LCN-4 identifier before work.

3

Record the existing TS1 jumper pattern before disturbing the board.

4

Keep the total removed-jumper count, including parity, odd.

5

Remove all jumpers or set zero on the alternate address-selection board.

6

Match the associated memory board to part number 51201795-400.

7

Seat the K4LCN board fully in slot 1 without forcing backpanel connectors.

8

Verify the restored LCN node address and network communication before service.

FINAL TEST POINTS

Parity

Total removed jumpers including parity is odd

Alternate address path

Unused LCN-address board is cleared or set to zero

Mechanical seating

Board is fully mated in slot 1

Network result

History Module returns on the assigned LCN node

TRACEABILITY & SUPPORT / 05

Source, related portfolio and contact

Related pages are navigation references only and do not imply compatibility or substitution.

Traceability field	Recorded value
Manufacturer	Honeywell
Exact model	51402755-100 K4LCN-4
Technical source	Honeywell History Module Service HM13-501, December 2002, circuit-board replacement and parts-list sections
Handover requirement	Retain identity, configuration and test evidence for the installed product

HANDOVER CONTROLS

LCN address control	Odd-parity rule	History Module service role	Dedicated memory relationship
Node identity is set through the TS1 pinning block at coordinate 7A.	The removed-jumper count, including the parity jumper, must be odd.	The board is listed in the WDA-type History Module service parts set.	The parts list pairs this K4LCN board with 4-Megaword memory board 51201795-400.

RELATED HONEYWELL PRODUCTS

Honeywell 900CP1-0300	ControlEdge control-processor listing	View Honeywell 900CP1-0300
Honeywell 900G02-0202	ControlEdge digital-input listing	View Honeywell 900G02-0202
Honeywell FS-TPSU-2430 V1.1	Safety-system power-converter listing	View Honeywell FS-TPSU-2430 V1.1
Honeywell 10302/2/1	FSC watchdog-repeater listing	View Honeywell 10302/2/1

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