GE DS200KLDCG1AAA

Key/LED/Display Board

GE DS200KLDCG1AAA is a Mark V key, LED and display board with thirty-two indicators, twenty-one four-character displays and a rear 40-pin connection strip.

Job objective

Replace, install or verify the exact unit while preserving unrelated wiring, configuration, dimensions, weight and stored product data.

Safe-work boundary

Identify Match the complete model and every suffix to the physical unit.	**Isolate** Apply the plant-approved electrical, process and stored-energy isolation.
Preserve Back up configuration and photograph all connections and settings.	**Control** Use ESD protection and revision-controlled documentation.

Product-specific hazards and controls

1 De-energize the Mark V cabinet and verify stored-energy conditions before handling DS200KLDCG1AAA.	**2** Record the complete AAA suffix, installed position and all mounting hardware before removal.
3 Photograph the 40-pin connection strip, L1 wiring and cable routing before disconnection.	**4** Capture the single jumper position and do not change it without the controlled board documentation.

Required evidence before work

Nameplate photo, installed-position record, connection map, configuration or jumper record, fault history and approved acceptance plan.

Readiness and interface checklist

Exact identity	GE DS200KLDCG1AAA matches the work order and physical unit
Installed position	Rack, slot, panel and functional assignment recorded
Configuration	Project data, jumpers, settings or calibration state captured
Connections	Every cable, terminal, shield and polarity labeled
Condition	Board, housing, connectors and packaging inspected
Test plan	Expected states, safe response and acceptance evidence agreed

Interface preparation

Rear connection strip	40-pin interface to the installed Mark V wiring assembly
L1 connection	Two-wire connection retained by position and polarity record
Indicator field	Thirty-two DS-numbered LEDs for visible state review
Key and display field	Local input keys and twenty-one four-character displays

Pre-job evidence review

H1 Mark V KLDC interface board	**H2** 32 LEDs identified DS1 through DS32
H3 Twenty-one 4-character displays	**H4** One jumper and one rear 40-pin connection strip

03 / INSTALLATION SEQUENCE

Controlled replacement workflow

1	Confirm isolation and absence of hazardous energy
2	Compare removed and replacement identities and revisions
3	Photograph, label and verify all connections and settings
4	Remove the existing assembly using ESD-safe handling
5	Inspect mounting, connectors, grounding, ventilation and surrounding hardware
6	Install the exact replacement without forcing connections
7	Restore cables, jumpers and settings from the controlled record
8	Complete final visual, continuity and polarity checks before energization

STOP CONDITIONS

Identity

Stop if the complete model or revision does not match.

Connection

Stop if connector orientation, polarity or terminal mapping is unresolved.

Configuration

Stop if the as-found jumper, project or adjustment record is missing.

System

Stop if grounding, cooling or the safe-state assignment is uncertain.

Staged return to service

Stage 1	Visual inspection, isolation release and controlled power-ready state
Stage 2	Apply power under observation and stop on abnormal indicators, heat or sound
Stage 3	Confirm module recognition, status indications and surrounding-system health
Stage 4	Verify every affected connection, signal or relay path
Stage 5	Exercise the documented function and configured safe response
Stage 6	Archive measurements, settings, results and as-left configuration

Product-specific acceptance focus

5

Use ESD controls and avoid touching display, key and connector contacts.

6

Maintain the original cable route so signal wiring remains separated from high-voltage conductors and airflow paths remain clear.

7

After installation, inspect every DS1-DS32 LED position and all twenty-one four-character displays for complete operation.

8

Verify every permitted key input and the resulting Mark V response before returning the operator interface to service.

Acceptance evidence

Identity

Photo and record show the exact installed model.

Connections

Terminal, cable and connector checks are complete.

Function

The affected command, indication or supply path has been exercised.

Safe state

Loss-of-power or loss-of-command behavior matches the approved design.

Fault isolation and final record

1	Unexpected state: stop and capture evidence
2	Recheck identity, power boundary, position and connections
3	Compare configuration and revision-controlled records
4	Test the surrounding system before condemning the unit
5	Restore a safe state and document the verified outcome

Apter Power handover record

Model identity	Keep the complete GE model code and every suffix in purchasing, installation and acceptance records.
Verification boundary	Confirm the physical nameplate, installed position and revision-controlled project documents before field work.
Apter Power support	Use the contact details and Apter Power website links in this document for product and sourcing support.

Related Apter Power references

Related Apter Power references	Scope note
GE IS200TDBTH2ACD	Portfolio reference only; verify compatibility independently.
GE IS200TBCIH1BBC	Portfolio reference only; verify compatibility independently.
GE IS200STCIH2A	Portfolio reference only; verify compatibility independently.

	Apter Power technical support sales13@apterpower.com +86 180 3023 5313 www.apterpower.com	Model record GE DS200KLDCG1AAA Key/LED/Display Board Verify the complete nameplate before installation.