GE IC609SJR100

Junior PLC Unit

GE IC609SJR100 is a Series One Junior basic programmable controller with fifteen inputs and nine relay-controlled AC outputs.

Job objective

Replace, install or verify the exact module without changing unrelated wiring, configuration, dimensions, weight or other stored product data.

Safe-work boundary

Identify Match the complete model and every suffix or secondary code.	**Isolate** Apply the plant-approved electrical and process isolation procedure.
Preserve Back up configuration and photograph all connections.	**Control** Use ESD protection and revision-controlled documentation.

Required evidence before work

Nameplate photo; slot/rack record; connector map; project backup where applicable; fault history; approved acceptance procedure.

Model-specific release focus

- 15 total inputs and 9 AC outputs
- 13 AC plus 2 DC input circuits
- 115 VAC input / 115 or 230 VAC output
- Inputs 15 and 16 support high-speed count and reset

Readiness checklist

Exact identity	GE IC609SJR100 matches the work order and physical unit
System position	Rack, slot and functional assignment are recorded
Configuration	Parameters, firmware or project data are backed up when applicable
Connections	Every cable, terminal, jumper and shield is labeled
Condition	Connector, board and packaging condition are inspected
Test plan	Expected states and acceptance evidence are agreed

Interface preparation

Onboard inputs	Receives fifteen discrete field states
Programmer connection	Supports Series One Junior programming and monitoring peripherals
Output terminals	Nine switched AC circuits for user loads
I/O LEDs	Shows the ON/OFF state of each input and output circuit

Interface evidence for acceptance

- Onboard inputs: Receives fifteen discrete field states
- Programmer connection: Supports Series One Junior programming and monitoring peripherals
- Output terminals: Nine switched AC circuits for user loads
- I/O LEDs: Shows the ON/OFF state of each input and output circuit

03 / INSTALLATION SEQUENCE

Controlled replacement workflow

1	Confirm isolation and absence of hazardous energy
2	Compare old and replacement identities and revisions
3	Photograph and label all connections
4	Remove the existing module using ESD-safe handling
5	Inspect slot, connector, grounding and cooling path
6	Install the exact replacement without forcing connectors
7	Restore cables, jumpers and settings from the controlled record
8	Perform a final visual and continuity check before energization

STOP POINT

Do not energize if the model, slot, connector orientation, grounding, jumper state or documented system assignment is unresolved.

Configuration-control record

- Output circuits: 9 AC
- AC input rating: 115 VAC
- AC load rating: 115 or 230 VAC
- Special inputs: Inputs 15 and 16 for high-speed count and reset

Staged return to service

Stage	Action	Acceptance
Stage 1	Visual inspection and isolation release	Expected controlled result
Stage 2	Apply control power under observation	Expected controlled result
Stage 3	Confirm module recognition or status	Expected controlled result
Stage 4	Verify communication and affected signal paths	Expected controlled result
Stage 5	Exercise the documented function	Expected controlled result
Stage 6	Archive measured results and as-left configuration	Expected controlled result

Product-specific acceptance focus

1

Provide external branch protection and suppression appropriate for every AC output load.

2

Do not rely on an I/O LED as proof that a field terminal is de-energized.

3

Verify the programmer, memory state and run mode before enabling machine outputs.

4

After service, test every input, all nine outputs, the high-speed function if used and the complete machine interlock chain.

Fault isolation and final record

1	Unexpected state: stop and capture evidence
2	Recheck identity, power, slot and connectors
3	Compare configuration and revision records
4	Test surrounding system before condemning the module
5	Restore a safe state and document the 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	Scope note
GE HE693SNP232A	Portfolio reference only; verify compatibility independently.
GE IC693CPU372	Portfolio reference only; verify compatibility independently.
GE IC693CHS391	Portfolio reference only; verify compatibility independently.

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