GE IC609SJR100

Junior PLC Unit

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

IDENTITY SNAPSHOT

H1 15 total inputs and 9 AC outputs	**H2** 13 AC plus 2 DC input circuits
H3 115 VAC input / 115 or 230 VAC output	**H4** Inputs 15 and 16 support high-speed count and reset

System position

1	Discrete switches and sensors
2	IC609SJR100 onboard inputs
3	Series One Junior ladder program
4	Nine AC field-output circuits

Document boundary

This dossier uses exact-model evidence and clearly identified family context. Unsupported values are intentionally left for nameplate, project-record or revision-manual verification.

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

Architecture and interface control

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

SYSTEM FLOW	
1	Discrete switches and sensors
2	IC609SJR100 onboard inputs
3	Series One Junior ladder program
4	Nine AC field-output circuits

Interface map

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

Engineering rule

Use the full GE IC609SJR100 identity in drawings, spares records and acceptance evidence. A similar family code is not proof of interchangeability.

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 / TECHNICAL DATA

Verified engineering data

Values below are limited to the reviewed exact-model or directly applicable manufacturer-family evidence.

Product family	Series One Junior
Unit type	Basic programmable controller
Total I/O	24 points
Input circuits	13 AC and 2 DC
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

CHANGE CONTROL

Record

Capture the complete nameplate, revision and installed position.

Compare

Check replacement hardware against project and service records.

Protect

Apply the documented power-isolation and ESD procedure.

Prove

Complete a model-specific functional test before release.

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

Service logic

Use evidence in sequence; do not skip directly from a fault symptom to part substitution.

1	Capture symptoms and existing status
2	Verify power, wiring, slot and surrounding system
3	Test IC609SJR100 against the exact service procedure
4	Replace only after the module is isolated as the cause
5	Commission and archive results

Model-specific precautions

1 Lock out the 115/230 VAC sources before opening terminals or replacing IC609SJR100.	**2** Record the ladder program and I/O references before removing the legacy controller.
3 Keep AC input circuits and the two DC high-speed circuits on their documented terminals.	**4** Confirm whether inputs 15 and 16 are configured as normal inputs or the high-speed count/reset pair.
5 Provide external branch protection and suppression appropriate for every AC output load.	**6** Do not rely on an I/O LED as proof that a field terminal is de-energized.

Decisions and Apter Power support

How many onboard I/O points does GE IC609SJR100 provide?

The basic unit contains twenty-four points: fifteen inputs and nine outputs.

What input arrangement is used by GE IC609SJR100?

It provides thirteen AC input circuits and two DC input circuits.

Which load voltages can GE IC609SJR100 outputs control?

The nine AC output circuits are designed for 115 or 230 VAC loads.

What are inputs 15 and 16 used for on GE IC609SJR100?

They can operate as a high-speed count input and reset pair or as normal DC sink inputs.

Apter Power verification 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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