General Electric IC200ALG240

01 Save input behavior settings

Export the module configuration and identify the selected electrical mode for each isolated input. Label the corresponding field terminals and power connections before replacing the module or attaching a signal simulator.

Retain the selected electrical range, filter and fault-response behavior for every input. Check that the saved configuration belongs to the installed module position and is not a nearby module configuration with similar signal names.

Record to retain	Save input behavior settings
Circuit or system boundary	VersaMax I/O

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02 Restore analog field power

Check the external source at A17/A18 and confirm backplane power independently. Trace the supply return before reconnecting field circuits.

Measure the field supply at the required power terminals under load and compare both returns with the wiring schedule. Resolve an incomplete supply connection before diagnosing missing analog data.

Record to retain	Restore analog field power
Circuit or system boundary	VersaMax I/O

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03 Verify mode-specific terminals

Check voltage or current connections channel by channel. In current mode restore the specified negative-terminal link and shield arrangement.

Trace the selected voltage or current connection through the actual terminal assignments. Keep each isolated channel circuit identifiable and restore its shield arrangement without introducing unintended interchannel connections.

Record to retain	Verify mode-specific terminals
Circuit or system boundary	VersaMax I/O

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04 Test signal and fault responses

Apply calibrated endpoints, then simulate approved under-range and field-power-loss conditions. Verify numerical values and diagnostics together.

Inject an in-range value and an authorized fault condition, recording data and status together. Compare the observed retained or substituted value with the configured response rather than assuming a constant reading is live process data.

Record to retain	Test signal and fault responses
Circuit or system boundary	VersaMax I/O

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05 Confirm live-data recovery

Restore the real transmitters and confirm held or default values are replaced by live readings. Retain the accepted configuration and fault-response record.

Remove the simulated fault and verify that new measurements resume at the application destination. Retain a short trend or sequence of changing values to demonstrate recovery, then restore normal process alarms.

Technical basis: Emerson VersaMax I/O Modules, Power Supplies and Carriers, GFK-1504Q.

Related product navigation

- General Electric IC693MDL940H
- General Electric IC694PWR321

These are related references, not confirmed substitutes or an automatically approved assembly.