

Installation Identity and Scope

GE IC697BEM731 is a single-channel Genius bus controller for the Series 90-70. It exchanges I/O and directed communications with documented IC660 and IC661 devices on an IC66 LAN.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	IC697BEM731
Manufacturer	GE
Hardware type	Series 90-70 Genius Bus Controller
System family	Series 90-70
Official source	GFK-0165G, IC697BEM731 functions and configuration

CONTROLLED ENGINEERING COPY

Use only the complete GE IC697BEM731 identity and the current manufacturer publication. Verify the installed revision, companion hardware, wiring and saved configuration before replacement or release.

APTER POWER SALES TEAM

WHATSAPP / PHONE +86 180 3023 5313

EMAIL sales13@apterpower.com

WEBSITE www.apterpower.com



IC697BEM731

Pre-Installation Plan

NO.	REQUIRED ACTION
1	Verify the complete GE IC697BEM731 marking and installed revision.
2	Confirm the documented Series 90-70 rack position and compatible companion hardware.
3	Back up the approved controller, network or channel configuration before removal.
4	De-energize the system and follow the current manufacturer service procedure before handling hardware.
5	Label every field, communication, common, shield and protective-ground connection.

Matched Hardware

CONTROL ITEM	REQUIRED RECORD
Identity	IC697BEM731
Physical interface	Exact GE IC697BEM731 nameplate and installed revision
Companion check	Documented Series 90-70 Genius Bus Controller system position and companion hardware
Configuration	Labeled field, power, communication and grounding connections
Functional proof	Saved configuration plus a controlled functional-test record

Related Products on Apter Power

MODEL	APTER POWER PAGE
Allen-Bradley 1336-PB-SP5A	View Allen-Bradley 1336-PB-SP5A
Allen-Bradley 1336-QOUT-SP19A	View Allen-Bradley 1336-QOUT-SP19A
Allen-Bradley 1336T-LM1EN	View Allen-Bradley 1336T-LM1EN
Allen-Bradley 1336T-LM1EN-74103-015-52A-297346	View Allen-Bradley 1336T-LM1EN-74103-015-52A-297346
Allen-Bradley 1361-NO61-2-5	View Allen-Bradley 1361-NO61-2-5

Wiring and Interface Checks

CHECK	MODEL-SPECIFIC REQUIREMENT
Identity	Record GE IC697BEM731 and the installed revision exactly.
Product family	Verify the documented value: Series 90-70.
Network role	Verify the documented value: Single-channel Genius bus controller.
Connections	Label every installed interface, common, shield and protective-ground connection.
Configuration	Back up and restore the model-specific settings, mappings and approved limits.
Functional proof	Test the complete Series 90-70 Genius Bus Controller function under a controlled maintenance state.

CONFIGURATION BOUNDARY

Use only the complete GE IC697BEM731 identity and the current manufacturer publication. Verify the installed revision, companion hardware, wiring and saved configuration before replacement or release.

Expected Technical Values

PARAMETER	VALUE
Product family	Series 90-70
Network role	Single-channel Genius bus controller
Bus capacity	Up to 30 drops on one channel
Supported devices	IC660 and IC661 Genius I/O and documented controllers

Related Products on Apter Power

MODEL	APTER POWER PAGE
Allen-Bradley 1426-M5E-DNT	View Allen-Bradley 1426-M5E-DNT
Allen-Bradley 1492-ACABLE010TB	View Allen-Bradley 1492-ACABLE010TB

Commissioning and Acceptance

TEST	ACCEPTANCE CONDITION
Identity	The complete IC697BEM731 marking and revision agree with the engineering record.
Compatibility	System position, companion hardware and interfaces match the manufacturer documentation.
Configuration	Saved values, channel mappings and protection limits are restored without unexplained change.
Functional proof	Diagnostics and the model-specific controlled test pass without unexplained fault.

Model-Specific Questions

QUESTION	ENGINEERING ANSWER
How many drops does GE IC697BEM731 support?	It supports up to 30 drops on its single Genius bus channel.
Which devices communicate with GE IC697BEM731?	The official data sheet identifies IC660 and IC661 Genius devices and documented controllers.
How does GE IC697BEM731 transfer I/O?	It scans Genius devices asynchronously and transfers I/O data to the CPU once per scan.
Which communications does GE IC697BEM731 support?	It supports cyclic I/O, directed communications and COMMREQ operations.

Related Products on Apter Power

MODEL	APTER POWER PAGE
Allen-Bradley 150-C30NBR	View Allen-Bradley 150-C30NBR
Allen-Bradley 150-F135NBDB	View Allen-Bradley 150-F135NBDB
Allen-Bradley 1503VC-BMC4	View Allen-Bradley 1503VC-BMC4
Allen-Bradley 1503VC-BMC5	View Allen-Bradley 1503VC-BMC5
Allen-Bradley 1503VC-BMC5-MC1	View Allen-Bradley 1503VC-BMC5-MC1

FAQ, Source and Controlled Release

QUESTION	ENGINEERING ANSWER
What defaults apply to an unconfigured GE IC697BEM731?	The documented defaults are 153.6 kbaud standard and serial bus address 31.
What must be recorded before replacing GE IC697BEM731?	Record the complete GE IC697BEM731 marking, installed revision, system position, connections and approved configuration before removal.
What confirms successful commissioning of GE IC697BEM731?	The exact GE IC697BEM731 identity, restored configuration, normal diagnostics and a controlled model-specific functional test must all agree with the approved record.

MANUFACTURER SOURCE RECORDS

GE Fanuc Genius Bus Controller Data Sheet - GFK-0165G, IC697BEM731 functions and configuration
GE Fanuc Genius Bus Controller Data Sheet - GFK-0165G, IC697BEM731 functions and configuration

Controlled Release Summary

RELEASE ITEM	REQUIRED EVIDENCE
Identity	IC697BEM731 recorded
Interface	Connections and companion hardware verified
Configuration	Installed values agree with approved record
Functional proof	Controlled test completed without unexplained fault

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