

IC697ALG230

Series 90-70 High-Level Analog Input Base

GE IC697ALG230 is an eight-channel high-level analog input base for the Series 90-70. It accepts individually configured voltage or current inputs and can support documented analog expander modules.

BRAND	GE	MODEL	IC697ALG230
PRODUCT	Series 90-70 High-Level Analog Input Base	FAMILY	Series 90-70
OFFICIAL SOURCE	GE Intelligent Platforms Analog Input System, High Level, 16 Channels	RECORD	GFK-0385H, IC697ALG230 base converter sections

DOCUMENT SCOPE

Official technical evidence, controlled engineering checks, model-specific FAQ and related product navigation.

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Product Overview and Applications

SYSTEM FUNCTION

GE IC697ALG230 is an eight-channel high-level analog input base for the Series 90-70. It accepts individually configured voltage or current inputs and can support documented analog expander modules.

FUNCTION 1

Provides eight individually configured differential analog inputs

FUNCTION 2

Supports plus or minus 10 V and 4 to 20 mA signal ranges

FUNCTION 3

Expands through documented high-level analog expander modules

FUNCTION 4

Transfers isolated field data to the Series 90-70 VME backplane

APPLICATION	ENGINEERING CONTEXT
Process measurement	Acquires approved voltage and current signals from field transmitters.
Multi-channel expansion	Builds a documented high-level analog subsystem with compatible expanders.
Signal migration	Preserves scaling, range and current-input jumper records during replacement.
Commissioning tests	Confirms channel values, update behavior and open-circuit diagnostics against the project record.

Technical Data and Acceptance

PARAMETER	VERIFIED VALUE
Product family	Series 90-70
Base channels	Eight differential analog inputs
Input ranges	Plus or minus 10 V or 4 to 20 mA, configured by channel
Expansion capacity	Up to seven expander modules; up to 120 inputs in the documented subsystem
Base update time	2.4 to 2.8 ms maximum for all eight base channels
Resolution	16-bit voltage; 14-bit current, no missing codes
Voltage increment	312.5 microvolts per LSB
Current increment	0.5 microampere per LSB
Current input element	Internal 250 ohm load selected by jumper
Isolation	Inputs isolated from the VME backplane; channels are not isolated from one another

Acceptance Path

1 IDENTITY

The complete IC697ALG230 marking and revision agree with the engineering record.

2 COMPATIBILITY

System position, companion hardware and interfaces match the manufacturer documentation.

3 CONFIGURATION

Saved values, channel mappings and protection limits are restored without unexplained change.

4 FUNCTIONAL PROOF

Diagnostics and the model-specific controlled test pass without unexplained fault.

Precautions and Model-Specific FAQ

NO.	PRECAUTION	QUESTION	ANSWER
1	Verify the complete GE IC697ALG230 marking and installed revision.	How many base channels does GE IC697ALG230 provide?	It provides eight differential analog input channels on the base converter.
2	Confirm the documented Series 90-70 rack position and compatible companion hardware.	Which signal ranges does GE IC697ALG230 support?	Each channel can be configured for plus or minus 10 V or 4 to 20 mA.
3	Back up the approved controller, network or channel configuration before removal.	How is a current input selected on GE IC697ALG230?	The documented jumper connects the internal 250 ohm load for current operation.
4	De-energize the system and follow the current manufacturer service procedure before handling hardware.	Can GE IC697ALG230 be expanded?	Yes. The official system description supports up to seven compatible expanders and up to 120 inputs.
5	Label every field, communication, common, shield and protective-ground connection.		
6	Do not substitute a neighbouring catalog number without documented engineering approval.		
7	Restore the exact configuration and verify normal module and system diagnostics.		
8	Complete a controlled model-specific functional test before production release.		

Related Products on Apter Power

MODEL	APTER POWER PAGE
Woodward 5501-467	View Woodward 5501-467
Woodward 5501-470	View Woodward 5501-470
Woodward 8200-203	View Woodward 8200-203
Woodward 8200-226	View Woodward 8200-226
Woodward 8280-192	View Woodward 8280-192
Woodward 8280-4004	View Woodward 8280-4004

FAQ, Related Products and Sources

QUESTION	ANSWER
Are GE IC697ALG230 channels isolated from one another?	No. The inputs are isolated from the VME backplane but not channel-to-channel.
What must be recorded before replacing GE IC697ALG230?	Record the complete GE IC697ALG230 marking, installed revision, system position, connections and approved configuration before removal.
What confirms successful commissioning of GE IC697ALG230?	The exact GE IC697ALG230 identity, restored configuration, normal diagnostics and a controlled model-specific functional test must all agree with the approved record.

MANUFACTURER SOURCE RECORDS

GE Intelligent Platforms Analog Input System, High Level, 16 Channels - GFK-0385H, IC697ALG230 base converter sections
GE Intelligent Platforms Analog Input System, High Level, 16 Channels - GFK-0385H, IC697ALG230 base converter sections

Related Products on Apter Power

MODEL	APTER POWER PAGE
Woodward 8406-113	View Woodward 8406-113
Woodward 8440-1934	View Woodward 8440-1934
Woodward 8440-1947	View Woodward 8440-1947
Woodward 8440-2028	View Woodward 8440-2028
Woodward 8440-2050	View Woodward 8440-2050
Woodward 8440-2082	View Woodward 8440-2082
Woodward 9905-003	View Woodward 9905-003
Woodward 9905-021	View Woodward 9905-021

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