GE Fanuc Automation

Programmable Control Products

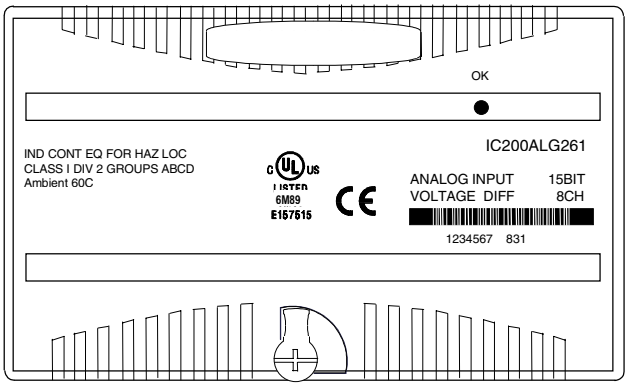
VersaMax® Modules, Power Supplies, and Carriers

User's Manual

GFK-1504K *March 2003*

IC200ALG261
Analog Input Module, 15 Bit Differential Voltage 8 Channels

Analog input module IC200ALG261 provides an interface to 8 differential voltage inputs.



The module receives power from the backplane power supply. No external power source is required for module operation. Power for the user's transceivers must be supplied from an external source.

Intelligent processing for this module is performed by the CPU or NIU. The module provides 8 words of analog input data.

LED Indicators

The green OK LED is on when backplane power is present, internally generated field power is functioning properly, the module has been configured, and the module has been recognized on the backplane.

Diagnostics

The module reports a Loss of Internal Power fault for field-side circuits.

Configuration Parameters

None

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Module Specifications

Module Characteristics	
Channels	8 differential, one group
Module ID	FFFFB008
Isolation: User input to logic (optical) and to frame ground Group to group Channel to channel	 250VAC continuous; 1500VAC for 1 minute Not applicable None
LED indicators	OK LED indicates backplane power is present
Backplane current consumption	5V output: 200mA maximum
External power supply	None
Thermal derating	None
Configuration parameters	None
Diagnostics	Loss of Internal Power
Input Characteristics	
Input Voltage (Differential)	-10V to +10V
Input Voltage (Common Mode)	-10V to +10V
Input Impedance	100K ohms minimum
Accuracy (0V common mode): 25 degrees C* 0 to 60 degrees C	 +/-0.3% typical of full scale, +/-0.5% maximum of full scale +/-1% maximum of full scale
Resolution	0.3125mV = 1 count
Common mode rejection	70db
Update rate per module	7.5ms
Compatibility	
VersaPro Software	Version 2.0 or higher
VersaMax PLC CPU Firmware	Version 2.10 or higher
VersaMax Ethernet NIU Firmware	Version 1.10 or higher
VersaMax DeviceNet, Profibus, or Genius NIU Firmware	Planned for future release

* In the presence of severe RF interference, (IEC 1000-4-3, 10V/m), accuracy may be degraded to +/-1%. Input accuracy may be degraded an additional +/-1% with the introduction of input common mode voltage.