GE Series 90-30 Series Service Manual

IC693ALG392

1. Description

The GE Fanuc IC693ALG392 is a Series 90-30 module. This module is an analog output module featuring Eight (8) Single-ended output channels providing 0 to +10 volts (unipolar) / -10 to +10 volts (bipolar) voltage outputs and 0 to 20 milliamps / 4 to 20 milliamps output signals. Each channel is configurable for 15 or 16 bit resolution, depending on the output range selected.

2. Specifications

Specification	Value
Brand	**GE Fanuc**
Series	**Series 90-30**
Part	**Number IC693ALG392**
Resolution	**at -10 to 10 V 0.312 mV**
Product	**Lifecycle Status* Discontinued/Obsolete**
Product	**Description Analog Current/Voltage Output**
No	**of Channels 8**
Current	**Range 4 to 20 mA, 0 to 20 mA**
Voltage	**Range 0 to 10 V, -10 to 10 V**
External	**Supply Voltage Range 20 to 30 VDC**
Internal	**Supply Voltage 5 VDC from PLC backplane**
Update	**Rate 8 ms all channels**
Resolution	**at 4-20 mA 0.5 microamps**
Resolution	**at 0-20 mA 0.625 microamps**
Resolution	**at 0-10 V 0.312 mV**
Internal	**Power Consumption 110 mA at 5 VDC, 315 mA at 24 VDC User Supplied**
The	**IC693ALG392 is a Series 90-30 module. This module is an analog output module that is typically used for implementing modulating control of instruments or devices such as Variable Frequency Drives (VFD), Control Valves, Positioners, converters and other similar modulating devices. It may also be used to re-transmit analog data to receiving elements such as recorders, data loggers and other compatible receiving**

3. Product Information

The GE Fanuc IC693ALG392 is a Series 90-30 module. This module is an analog output module featuring Eight (8) Single-ended output channels providing 0 to +10 volts (unipolar) / -10 to +10 volts (bipolar) voltage outputs and 0 to 20 milliamps / 4 to 20 milliamps output signals. Each channel is configurable for 15 or 16 bit resolution, depending on the output range selected.

Technical specifications for IC693ALG392

Brand GE Fanuc

Series Series 90-30

Part Number IC693ALG392

Resolution at -10 to 10 V 0.312 mV

Product Lifecycle Status* Discontinued/Obsolete

Product Description Analog Current/Voltage Output

No of Channels 8

Current Range 4 to 20 mA, 0 to 20 mA

Voltage Range 0 to 10 V, -10 to 10 V

External Supply Voltage Range 20 to 30 VDC

Internal Supply Voltage 5 VDC from PLC backplane

Update Rate 8 ms all channels

Resolution at 4-20 mA 0.5 microamps

Resolution at 0-20 mA 0.625 microamps

Resolution at 0-10 V 0.312 mV

Internal Power Consumption 110 mA at 5 VDC, 315 mA at 24 VDC User Supplied

The IC693ALG392 is a Series 90-30 module. This module is an analog output module that is typically used for implementing modulating control of instruments or devices such as Variable Frequency Drives (VFD), Control Valves, Positioners, converters and other similar modulating devices. It may also be used to re-transmit analog data to receiving elements such as recorders, data loggers and other compatible receiving devices.

The IC693ALG392 features Eight (8) output channels with configurable resolution of 15 or 16 bits, depending on the analog output range selected. It is capable of providing voltage signals such as 0 to +10 volts (unipolar) / -10 to +10 volts (bipolar) voltage and 0 to 20 milliamps / 4 to 20 milliamps output signals. In able to generate the output analog signals, this module requires an isolated 24VDC power, directly connected to the designated terminal block of the module.

This module is factory calibrated. Calibration information includes .625 µA for 0 to 20 mA; 0.5 µA for 4 to 20 mA; and .3125 mV for voltage (per count). Each channel of the module exhibits an update rate of Eight (8) milliseconds with resolution of 0.5 µA (1 LSB = 0.5 µA) for 4-20 mA; 0.625 µA (1 LSB = 0.625 µA) for 0-20 mA; 0.3125 mV (1 LSB = 0.3125 mV) for 0-10VDC and 0.3125 mV (1 LSB = 0.3125 mV) for -10 to +10VDC outputs signals.

This module is fitted to any slot of the RX3i chassis. There are no limits to the number of instances allowed per an RX3i rack. The number of instances depend on the number of Analog data a specific RX3i controller supports.