GE Field Control Series Service Manual

IC670ALG620

1. Description

The GE Fanuc IC670ALG620 Field Control RTD Input Module can connect RTD temperature metering devices to the GE Field Control station for controlling or monitoring the user applications. Configuration is done through a hand-held device that is connected to the main Bus Interface Unit, which serves as a central processing unit for the distributed control system. Technical specifications for IC670ALG620

2. Specifications

Specification	Value
Brand	**GE Fanuc**
Series	**Field Control**
Part	**Number IC670ALG620**
Number	**of Channels Four 3-wire and/or 4-wire RTDs**
Scan	**Time 60 Hz: 210 ms / 50 Hz: 230 ms**
Fault	**Detection Open RTD, input short, underrange, overrange, and high/low alarm**
Normal	**Mode Rejection 60dB, at 50/60 Hz, 100% span**
Temperature	**Sensitivity (0 to 60C) +/â□□0.004% of reading, +/â□□1.5mV per C referred to input**
Maximum	**Lead Resistance 5 ohms per lead**
Current	**Drawn from BIU Power Supply 190 mA maximum**
Digital	**Resolution 15 bits plus sign**
Description	
The	**GE Fanuc IC670ALG620 Field Control RTD Input Module is a solid-state module designed and manufactured by GE Fanuc to accommodate 4 inputs from independent Resistance Temperature Detectors or RTDs. These RTD inputs are compatible with both 3-wire and 4-wire sensors that are made of copper, nickel/iron, nickel, or platinum. The GE Fanuc IC670ALG620 Field Control RTD Input Module has several available configurations that are accessed through GE's proprietary Bus Interface Unit b**

3. Product Information

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Up to 8 Field Control modules of any type, including the GE Fanuc IC670ALG620 Field Control RTD Input Module, can be connected to a single Bus Interface Unit for controlling a piece of machinery or industrial process. These 8 modules together with their Bus Interface Unit form what is called a Field Control station that is the equivalent of a modular PLC system.

The GE Fanuc IC670ALG620 Field Control RTD Input Module is easy to install because it only needs to be inserted into an I/O Terminal Block that is connected to the main Bus Interface Unit in the system. There are 2 resistance ranges to choose from and they are 0 to 500 ohms and 0 to 3000 ohms. There is only one status LED at the front of the module. When the LED is on, it indicates normal module operation, when it is off, the module has no power, and when it is flashing, there is a fault in the module.