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Series Six Plus Programmable Controller

GFK-0145c
October 1988

Logic Control Module

GENERAL DESCRIPTION

The Logic Control module is available in three versions: Advanced, Expanded and Expanded II. The module contains the system clock, a microprogram sequencer, and Programmable Read-Only Memory (PROM). The module provides control and timing signals to the CPU backplane for use by other modules, and microprogram instructions to the Arithmetic Control module through a ribbon cable. The Logic Control module features and benefits are summarized in Table 1.

Refer to Table 3 for Logic Control module specifications.

NOTE

Operation of the system without the ribbon cable connected between the Arithmetic control Module results in unpredictable execution by the CPU.

NOTE

Use of the Expanded II Logic Control Module requires use of Logicmaster 6, Release 4 or later to ensure proper operation.

Table 1. FEATURES AND BENEFITS

FEATURES	BENEFITS
Compatible with most Series Six and Series Six Plus CPUs.	Reduced spare parts inventory cost.
Three Versions Available:	Provides a wide range of functions.
Advanced Functions	Includes Basic functions plus logic and signed arithmetic operations, data handling, user I/O control and access to R1025-R8192 via Extended Table Moves.
Expanded Functions	Includes Advanced Functions plus expanded I/O and register addressing, <i>floating</i> point arithmetic operations, GENIUS I/O diagnostic functions, and additional communications control functions.
Expanded II Functions	Includes all Advanced Functions plus: Auxiliary I/O over-rides, dynamic checksum of user logic for changes, active override detection, support of 64K Logic memory, faster solution of Relay Ladder Logic+

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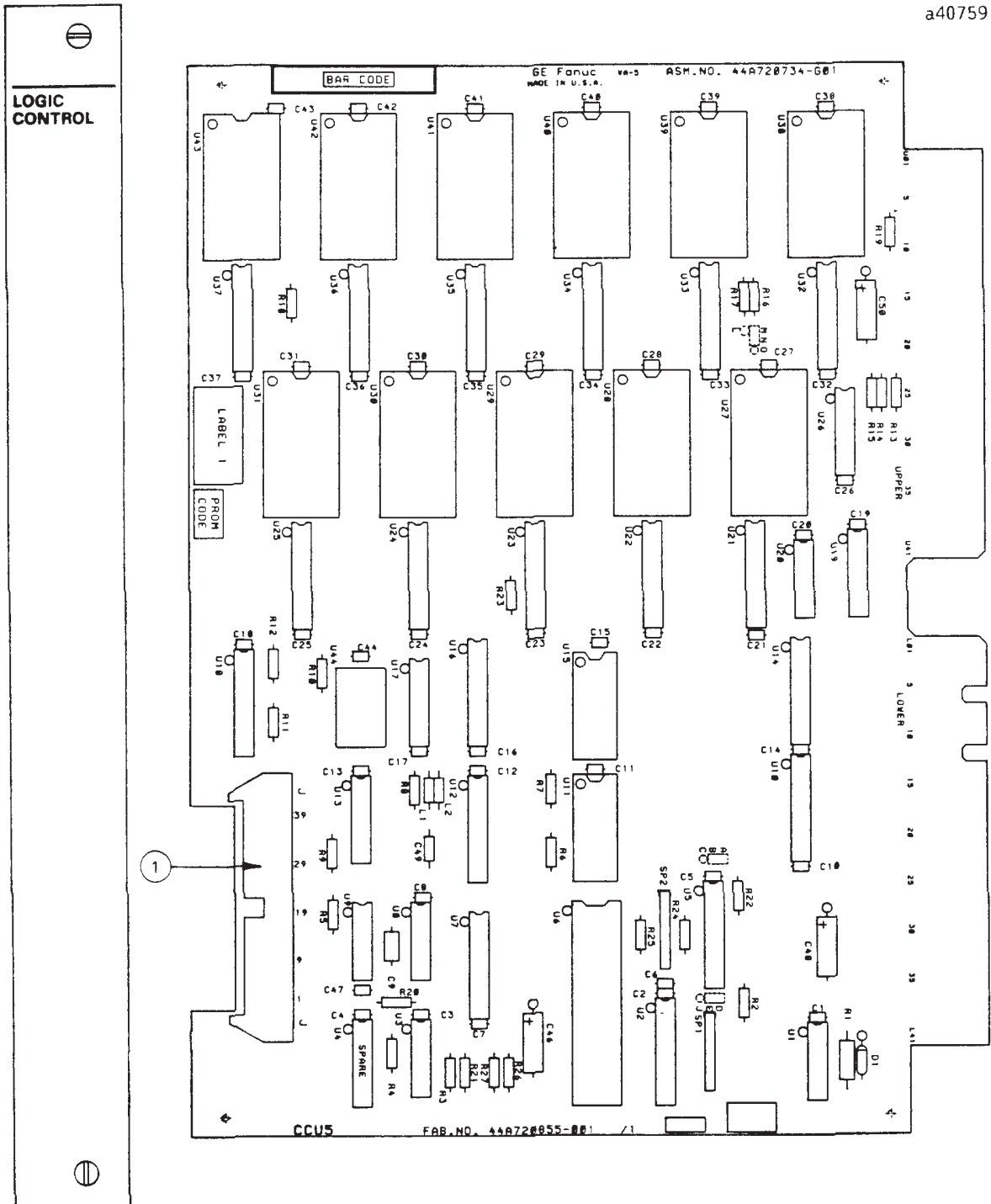


Figure 1. USER ITEMS

GFK-0145C

Table 2. SYSTEM COMPATIBILITY

VERSION	SYSTEM USE
Advanced	All CPU racks
Expanded	All CPU racks
Expanded II	<u>Requires:</u> 1. IC600CB524K or later Arithmetic Control Module. 2. IC600LX--K or later Logic Memory Modules. 3. IC600CP630, CP62-, or CP61- CPU rack 4. Logicmaster 6 Release 4 or later.

INSTALLATION

The Logic control Module is installed in the CPU Rack, one slot to the right of the Arithmetic control Module. To ensure proper installation and removal of the Logic control Module, always use the insertion/extraction tool packaged with the CPU.

When replacing a defective module, the ribbon connector must be disconnected before removing the module.

After inserting a replacement module, the ribbon connector must be reconnected.

NOTE

To prevent unpredictable operation by your Series Six or Series Six Plus CPU, power-down prior to removing or installing the Logic Control module and its ribbon connector.

Table 3. SPECIFICATIONS

Dimensions:	8.15 x 11.0 x 1.20 (inches), 208 x 280 x 31 (mm)
Circuit Board:	12.46 x 1.175 (inches), 317 x 30 (mm)
Faceplate:	5 V DC, .65A, 12 units of load
Power Requirements:	(Supplied by CPU power supply).
Storage Temperature:	-20 to 70C (-4 to 158F)
Operating Temperature:	0 to 60C (32 to 140F)
Humidity:	5% - 95% (non-condensing)

Table 4. ORDERING INFORMATION

DESCRIPTION	CATALOG NUMBER
Advanced Logic Control Module	JC600CB502L or CB525
Expanded Logic Control Module	IC600CB512L or CB526
Expanded II Logic Control Module	IC600CB515K

CATALOG NUMBER REVISION SUFFIX

The equipment listed above having the catalog numbers shown and the same equipment having a higher alpha suffix is designed for listing by UL for use as

auxiliary control devices. The equipment is a direct replacement for equipment having the same catalog number but a lower alpha suffix.



This symbol on the nameplate means the product is listed by Underwriters Laboratories Inc. (UL Standard No. 508, Industrial Control Equipment, subsection Electronic Power Conversion Equipment.)

For further information, contact your local GE Fanuc sales office.

GE Fanuc Automation North America, Inc., Charlottesville, Virginia



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