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SERIES SIX
PROGRAMMABLE CONTROLLERS

GEK-83507C

Interface up to
8000 Inputs
and
8000 Outputs

AUXILIARY I/O MODULE

GENERAL DESCRIPTION

The Auxiliary Input/Output (I/O) module is used in the Series Six Plus and Series Six model 6000 Central Processing Unit (CPU) as an interface to the Auxiliary I/O chain and thereby allows the Series Six to support an additional I/O chain. The features and benefits of this module are summarized in Table 1.

The Auxiliary I/O chain is functionally identical to the primary I/O chain. (The I/O override capability is not available, however.) Connection to the auxiliary chain is made through a faceplate connector on the Auxiliary I/O module.

Visible through a lens on the faceplate are three Light-Emitting Diodes (LEDs) that indicate chain continuity, parity conditions and if the outputs are enabled In the Auxiliary I/O chain. The LEDs operate only when the module is installed In a properly powered CPU rack and the dip shunts are in their proper locations.

The module comes from the factory configured for installation in the Series SIX Plus CPU. If the module isto be Installed in a model 6000 CPU the 4 DIP shunts must be removed from the factory-installed locattons and inserted into DIP-shunt location B Refer to figure 2).

Refer to Figure 2 (below) for Auxiliary I/O module specifications.

TABLE 1. FEATURES AND BENEFITS

FEATURES	BENEFITS
Provides interface to auxiliary I/O chain.	Additional 1000 Inputs and 1000 Outputs available with a model 6000 CPU Additional 8000 Inputs and 8000 Outputs available with a Series six Plus CPU
Three LED indicators: CHAIN OK PARITY ENABLED (outputs	Simplifies troubleshooting

TABLE 2. SPECIFICATIONS

- Dimensions: Circuit Board: 8.15 Y 11.0 (inches) 208 x 280 (mm) Faceplate: 12.46 x 1.175 (inches) 317 x 30 (mm)	- Power Requirements:5 Vdc, 500 mA (Supplied by CPU power supply) -Storage Temperature: 0 to 70C -Operating Temperature: 0 to 60C - Humidity5% - 95% (non-condensing)

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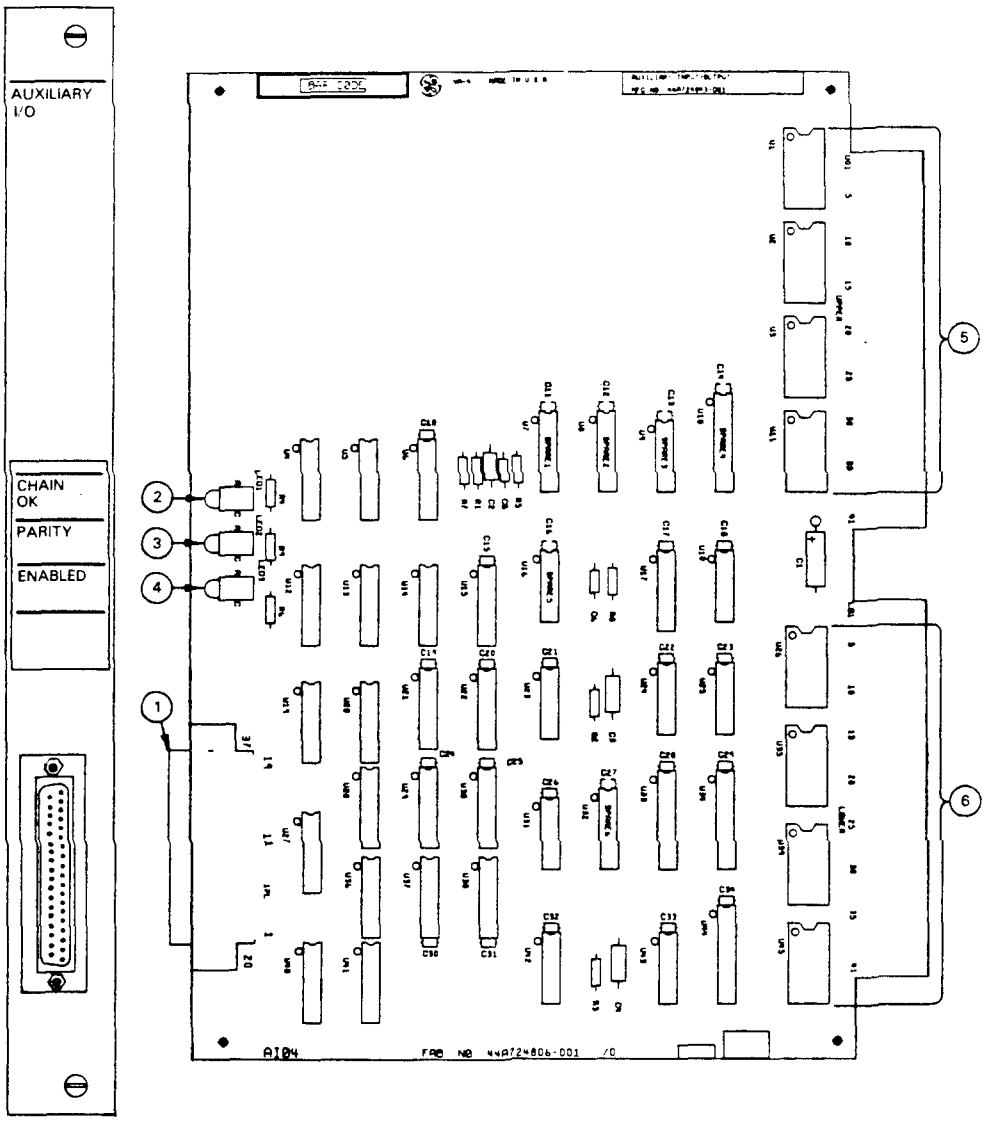


FIGURE 1. USER ITEMS

1. D-Type 37-Pin Connector to Auxiliary I/O Chain Connects to I/O Receiver module in nearest I/O rack in auxiliary chain.

2. CHAIN OK LED
   - On: Continuity, power, and output-data parity are OK at all I/O stations in the auxiliary chain.
   - Off: A continuity, power problem or output-data parity error exists at one or more auxiliary-chain I/O station(s).

3. PARITY LED
   - On: Input-data parity is OK at the Auxiliary I/O module.
   - Off: Input-data parity error exists.

4. ENABLED LED
   - On: The outputs are enabled. CPU is operating in the RUN ENABLED mode.
   - Off: The outputs are disabled. CPU in the RUN DISABLED or the STOP mode.

5. Dip Shunt location A (Factory installed location).

6. Dip Shunt location B.

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INSTALLATION

The Auxiliary I/O module can be installed in slots 5, 6, or 7 in the Series Six Plus CPU rack. In the Model 6000 CPU the module is installed in the left most slot. Use the extraction/insertion tool supplied with the CPU to insert (or remove) this module. Secure the faceplate to the rack using the thumbscrews at the top and bottom.

Connect an I/O cable (Part No. IC600WDXXXA, where "XXX" is a three-digit number corresponding to the cable length) between the I/O Receiver or Advanced I/O receiver module in the nearest I/O rack in the auxiliary chain and the faceplate connector on this module; secure the connector using the furnished screws.

NOTE

The total length of I/O cable interconnecting the I/O racks in the I/O station, including the cable connecting this module to the nearest receiver, can not exceed 50 feet.

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ORDERING INFORMATION

Circuit Board and Faceplate	Faceplate
IC600CB513C	IC600FP513A

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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