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GE Fanuc Automation Programmable Control Products TCP/IP Ethernet Communications for the Series 90 t-30 PLC User's Manual GFK-1084B August, 1997 Page 2

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Minor Error Codes for Major Error Codes 5H and 85H (Continued) 3-39 Table 3-6. Minor Error Codes for Major Error Code 11H (at Remote Server PLC) 3-39 Table 3-7. Minor Error Codes for Major Error Code 90H (at Client PLC) 3-40 Table 4-1. PLC Fault Table Descriptions 4-3 Table 4-1. PLC Fault Table Descriptions (Continued) 4-4 Table B-1. Station Manager Port Pinouts B-2 Table B-2. Serial Cable (IC693CBL316A) Connector Pinouts B-3 Table B-3. Software Loader Port Pinout B-4 Table B-4. Cables for Connecting the Software Loader Port to the RS-232 Port on Your PC B-5 Table B-5. Pinouts of the AAUI Port B-6 Page 9 1-1 GFK-1084B Introduction This manual describes the Ethernet Interface (IC693CMM321) for the Series 90-30 PLC. This chapter provides an overview of the Ethernet Interface and covers the following topics: H The Ethernet Interface, H How to Make the System Work, H Quick Guide to the Manual. The Ethernet Interface The Ethernet Interface enables the Series 90-30 PLC to communicate with other Series 90-30 PLCs, with Series 90-70 PLCs, with Logicmaster 90-30 TCP/IP Ethernet (IC641SWP313), with CIMPPLICITY R Control (IC641CTL9xx) and with applications developed using the Host Communications Toolkit (IC641SWP05x). GE Fanuc offers the Host Communications Toolkit separately from the Ethernet Interface. The Ethernet Interface for the Series 90-30 PLC has "client/server" capability. As a "client" it can initiate communications with other Series 90 PLCs containing Ethernet Interfaces. This is done from the PLC ladder program using the COMMREQ function. As a "server" it responds to requests from other devices such as Logicmaster 90-30 TCP/IP Ethernet, a Host computer running a Host Communications Toolkit application, or another Series 90 PLC acting as a "client". No PLC programming is required for server operation. Figure 1-1 shows the Series 90-30 PLC in a basic Ethernet Communications System. Transceiver Interface Ethernet Series 90-70 PLC Network Transceiver Connection CIMPPLICITY R Control or Logicmaster 90 TCP/IP Ethernet running on a PC a45694 Interface Ethernet Transceiver Series 90-30 PLC Network Transceiver Connection Ethernet Cable Host Computer or Toolkit Application Control Device Running a Host Communications Interface Ethernet Transceiver Series 90-30 PLC Figure 1-1. Ethernet Communications System



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