

1.0 INTRODUCTION

The products described in this instruction manual are manufactured by Reliance Electric Industrial Company.

The Power Supply module (M/N 57C491) converts 115 VAC input power into the D-C voltages necessary to operate the other modules contained in the Rack. The Rack provides the mechanical means of mounting 10 (M/N 57C332) or 16 (M/N 57C331) DCS 5000 or AutoMax modules, as well as the Power Supply module. The Multibus™ backplane in the Rack provides two sets of bus lines for local communication among the DCS 5000 and AutoMax modules.

This instruction manual describes the functions and specifications of the Power Supply module and the Rack. It also includes a detailed overview of installation and servicing procedures.

1.1 Additional Information

You should be familiar with the instruction manuals which describe your system configuration. This may include, but is not limited to, the following:

- J-3600 DCS 5000 ENHANCED BASIC LANGUAGE INSTRUCTION MANUAL
- J-3601 DCS 5000 CONTROL BLOCK LANGUAGE INSTRUCTION MANUAL
- J-3602 DCS 5000 LADDER LOGIC LANGUAGE INSTRUCTION MANUAL
- J-3616 KERMIT COMMUNICATIONS SOFTWARE INSTRUCTION MANUAL
- J-3618 NORTON EDITOR INSTRUCTION MANUAL
- J-3636 COMMON MEMORY MODULE INSTRUCTION MANUAL
- J-3649 AutoMax CONFIGURATION TASK MANUAL
- J-3630 ReSource AutoMax PROGRAMMING EXECUTIVE INSTRUCTION MANUAL VERSION 1.0
- J-3650 AutoMax PROCESSOR MODULE INSTRUCTION MANUAL
- J-3661 ReSource AutoMax SOFTWARE LOADING INSTRUCTIONS
- J-3668 DCS 5000 POCKET REFERENCE
- J-3669 AutoMax POCKET REFERENCE
- J-3675 AutoMax ENHANCED BASIC LANGUAGE INSTRUCTION MANUAL
- J-3676 AutoMax CONTROL BLOCK LANGUAGE INSTRUCTION MANUAL
- J-3677 AutoMax LADDER LOGIC LANGUAGE INSTRUCTION MANUAL
- J-3684 ReSource AutoMax PROGRAMMING EXECUTIVE INSTRUCTION MANUAL VERSION 2.0

- IEEE 518 GUIDE FOR THE INSTALLATION OF ELECTRICAL EQUIPMENT TO MINIMIZE ELECTRICAL NOISE INPUTS TO CONTROLLERS
- IEEE 796 STANDARD MICROCOMPUTER SYSTEM BUS
- Other instruction manuals applicable to your hardware configuration
- Your personal computer and DOS operating system manual(s).

1.2 Related Hardware and Software

The Power Supply module and Racks are sold individually. M/N 57C491 contains one Power Supply module. M/N 57C331 contains one 16-Slot Rack. M/N 57C332 contains one 10-slot Rack. One Power Supply module and one Rack are used with various input, output, and special purpose modules, as well as the following hardware and software, which can be purchased separately:

1. M/N 57C430 AutoMax Processor(s) or M/N 57C407 DCS 5000 Processor(s). Note that all Processors in a single Rack must be of the same type, i.e., AutoMax and DCS 5000 Processors cannot be mixed in one Rack.
2. M/N 57C304 or 57C305 ReSource AutoMax Programming Executive software if using M/N 57C430, or M/N 57C300 or 57C301 ReSource DCS 5000 Programming Executive software if using M/N 57C407.
3. M/N 61C126 ReSource Personal Computer, or other IBM XT- or AT-compatible personal computer running DOS V3.1 or later.
4. M/N 61C127 RS-232C ReSource Interface Cable. This cable is used to connect the personal computer to the Processor module. The ReSource Portable Computer (item #3 above) includes this cable. It can also be purchased separately.
5. M/N 57C413 Common Memory module. This module is used when there is more than one Processor (of either type) in the Rack.
6. M/N 57C492 Battery Back-Up. This unit is used when there is a Common Memory module (M/N 57C413 only), a M/N 57C407 Processor, or both in the Rack.
7. M/N 57C384 Battery Back-Up cable. This cable is used with the Battery Back-Up unit.