AutoMax PC3000 Packaged Version
Model Number 57C570

Instruction Manual J2-3101-1

DANGER
ONLY QUALIFIED PERSONNEL FAMILIAR WITH THE CONSTRUCTION AND OPERATION OF THIS EQUIPMENT AND THE HAZARDS INVOLVED SHOULD INSTALL, ADJUST, OPERATE, AND/OR SERVICE THIS EQUIPMENT. READ AND UNDERSTAND THIS INSTRUCTION MANUAL IN ITS ENTIRETY BEFORE PROCEEDING. FAILURE TO OBSERVE THIS PRECAUTION COULD RESULT IN SEVERE BODILY IN JURY OR LOSS OF LIFE.

CAUTION: The printed circuit boards are static-sensitive. You should wear an anti-static wrist band (user supplied) while installing the cards. Avoid touching the cards' components, connectors, or leads. Hold the cards only by their edges. Failure to observe this precaution could result in damage to or destruction of the equipment.

Product Description

The AutoMax PC3000 Packaged Version is designed for a plant-floor environment. It includes:

- AutoMax PC3000 Processor card (M/N 57C560)
- AutoMax PC3000 Serial card (M/N 57C565)
- Panel-mount, industrial-grade enclosure with a passive six-slot ISA bus and 150 W power supply
- Bag of accessories (includes one extra fan filter)

Connect the AutoMax PC3000 Packaged Version to a programming device using Port B on the Serial card or via the AutoMax DCS-NET network. Use the AutoMax PC3000 as a drive supervisor for Reliance standard drives (FlexPak 3000 and GV3000) that have the Network Option Board installed or as a remote I/O scanner for any device that iscompatible with an Allen-Bradley Remote I/O link.

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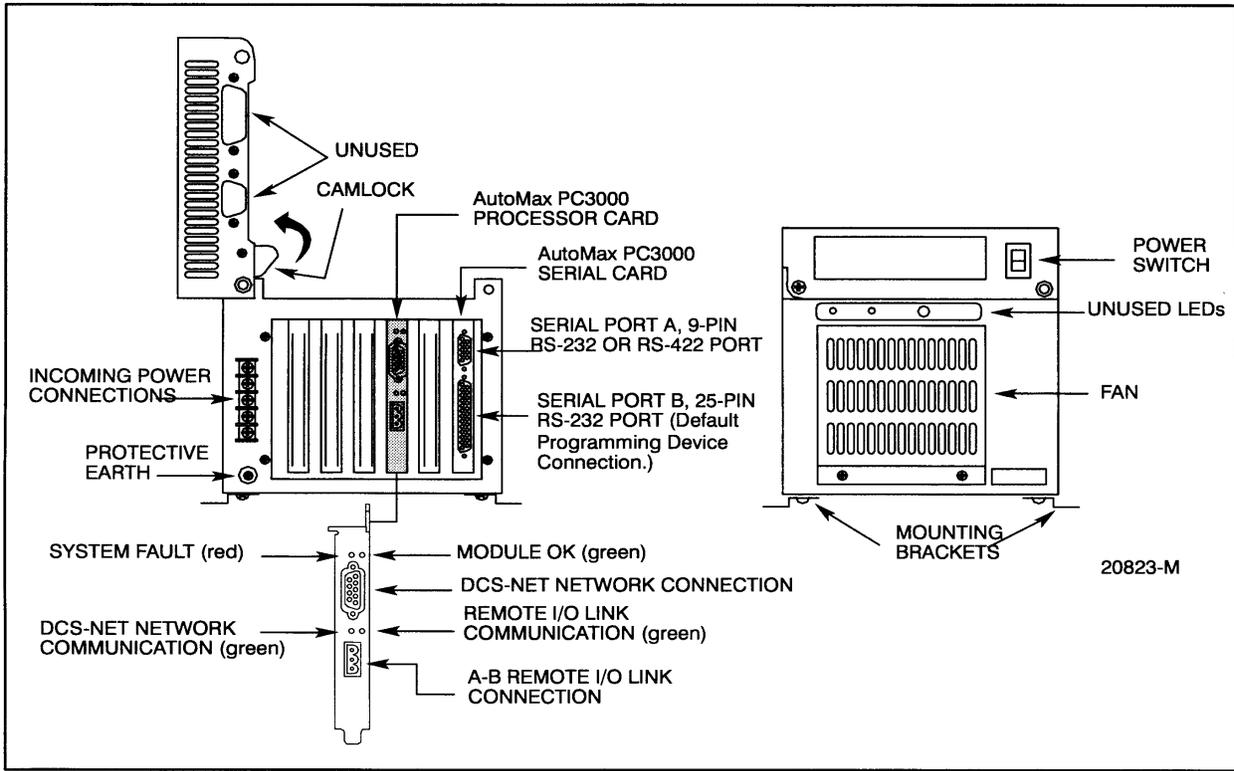
Figure 1 - The AutoMax PC3000 Packaged Version

Verify Package Contents

Quantity	Description
1	Industrial chassis with pre-installed AutoMax PC3000 Processor card with attached Phoenix® 3-pin connector on the Allen-Bradley Remote I/O port, Serial card, and mounting brackets
1	Bag of accessories
1	Instruction sheet (I/M J2-3101)

2

Mounting the AutoMax PC3000 Packaged Version

You can mount the AutoMax PC3000 Packaged Version on a panel in an enclosure. Figure 2 shows the mounting dimensions of the AutoMax PC3000 Packaged Version.
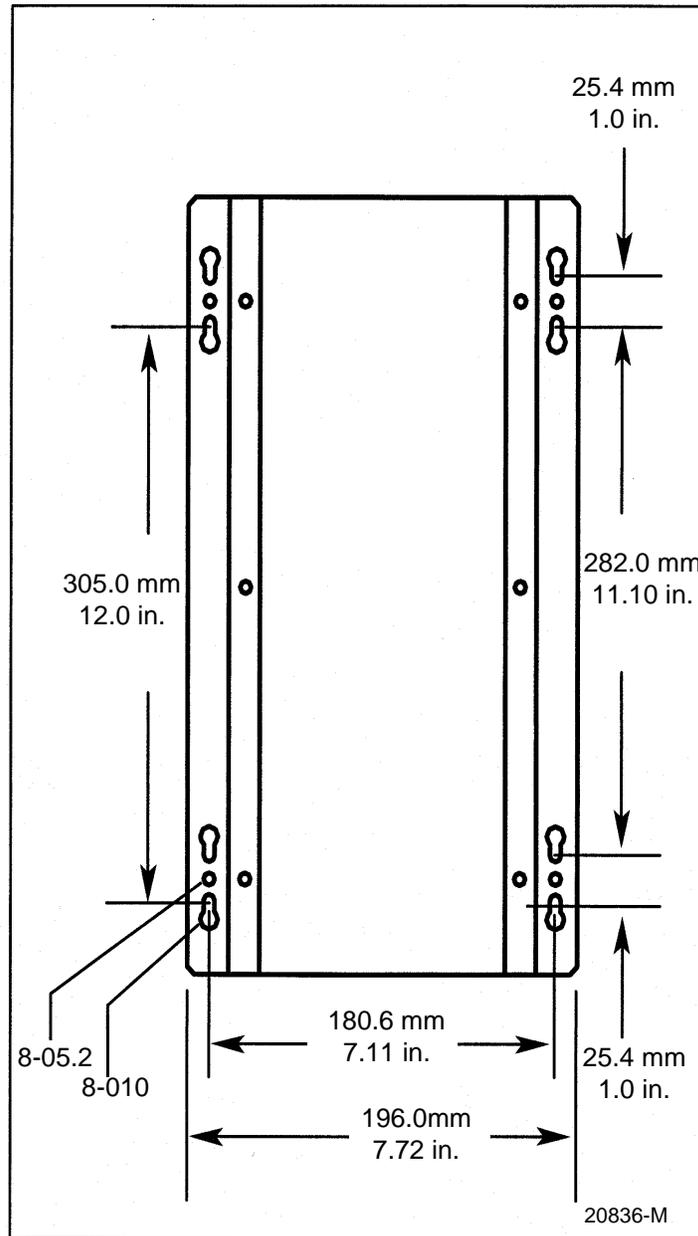

Figure 2 - AutoMax PC3000 Packaged Version Mounting Dimensions

To mount the AutoMax PC3000 Packaged Version, follow these steps:

Step 1.   Mark the locations of the bracket holes on the panel. Make sure to leave a space of about 22.9 cm (9 in.) next to the side of the chassis containing the network connection and serial ports. You need this space for attaching the cable connectors. Use figure 2 as a guide.

Step 2.   Secure the AutoMax PC3000 Packaged Version to the panel with four #10-32 screws.

Installing the AutoMax PC3000 Packaged Version

The AutoMax PC3000 Packaged Version requires an input voltage source. It is recommended that you provide an EMI/RFI line filter and surge suppression. The use of a UPS 120VAC supply may also be used to prevent OS shutdown when there is line notching greater than 150 msec. on the input voltage source. See the AutoMax PC3000 instruction manual for more information.

CAUTION: The user is responsible for conforming with all applicable local, national, and international codes. Failure to observe this precaution could result in damage to or destruction of the equipment.

WARNING

USERS MUST PROVIDE AN EXTERNAL, HARDWIRED EMERGENCY STOP CIRCUIT OUTSIDE OF THE CONTROLLER CIRCUITRY. THIS CIRCUIT MUST DISABLE THE SYSTEM IN CASE OF IMPROPER OPERATION. UNCONTROLLED MACHINE OPERATION MAY RESULT IF THIS PROCEDURE IS NOT FOLLOWED. FAILURE TO OBSERVE THIS PRECAUTION COULD RESULT IN BODILY INJURY.

To install the AutoMax PC3000 Packaged Version, follow these steps:

Step 1.   Open the chassis door, and remove the paper tape covering one end of the battery installed on the AutoMax PC3000 Processor card.

Step 2.   Connect incoming power to the terminal strip on the AutoMax PC3000 Packaged Version's chassis. Refer to figure 3.
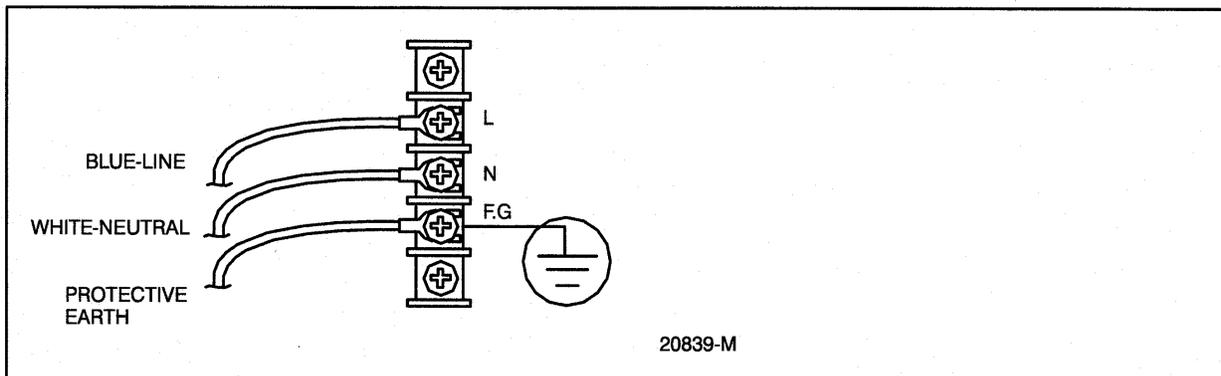

Figure 3 - Connecting Incoming Power

Step 3.   Turn on the AutoMax PC3000 Packaged Version by using the power switch on the chassis.

Environmental Conditions

Operating Requirements

Temperature	+5°C to +55°C (+41°F to +131°F)
Relative Humidity	10% to 95%, non-condensing
Maximum Altitude	2,000 m (6562 ft.)
Minimum Dielectric Strength	Complies with requirements of the EC 73/23 EEC Low Voltage Directive.
Shock and Vibration	Complies with requirements of the IEC 1131-2 standard.

Storage and Transport Requirements

Temperature	-25°C to +70°C (-13°F to +158°F)
Relative Humidity	5% to 95%, non-condensing

Technical Specifications

Dimensions and Weight

Height	39.4 cm (15.5 in.)
Width	16.5 cm (6.5 in.)
Depth	17.8 cm (7.0 in.)
Weight	5.6 kg (12.3 lb.)

Input Power Requirements

Voltage	90 – 132 V AC or 180 – 264 V AC, autoranging
Current	1.5/0.75 A maximum
Frequency	47 – 63 Hz

Battery Specifications

Type	lithium
Size	AA
Voltage	3.6 V
Amp Hours	2.0 h

WARNING
FOLLOW THESE PRECAUTIONS:

FOLLOW THESE PRECAUTIONS:

- **DO NOT INCINERATE OR EXPOSE THE BATTERY TO HIGH TEMPERATURES.**

- **DO NOT SHORT POSITIVE OR NEGATIVE TERMINALS TOGETHER. THE BATTERY WILL HEAT UP.**

- **DO NOT CHARGE THE BATTERY. AN EXPLOSION MIGHT RESULT OR THE CELL MIGHT OVERHEAT AND CAUSE BURNS.**

- **DO NOT SOLDER THE BATTERY OR LEADS; THE BATTERY COULD EXPLODE AND TOXIC, CORROSIVE, AND FLAMMABLE CHEMICALS COULD BE EXPOSED.**

FAILURE TO OBSERVE THESE PRECAUTIONS COULD RESULT IN BODILY INJURY.

Memory Retention

Minimum hold-up with battery	186 days
Typical hold-up with battery	8.2 years
Minimum hold-up without battery	10 minutes
Typical hold-up without battery	10 hours
Maximum charge-up time for the super capacitor	15 minutes

Functional

Module will operate as an ISA slave and support the Microsoft *Plug and Play* standard.

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