

Series One PLC Conversion Program

There are not many electronic items that were introduced almost 25 years ago that are still operating in today's factory environment. One such 'ironman' product is the GE Fanuc Series One PLC.

The top-selling small PLC in the world by the late 1980's, the Series One offered exceptional reliability and performance in a small package, making it ideal for thousands of applications. And since it was built so well, there typically hasn't been a reason to replace it.

But in today's manufacturing world where Ethernet communications, high speed processors, and Windows-based programming software are commonplace, the Series One feels out of place. While your maintenance guy might say 'if it isn't broken, don't fix it,' your boss is concerned about downtime should the Series One finally expire. And you just don't have the time to engineer a seamless conversion that minimizes downtime and minimizes headaches.

Qualitrol International provides a Conversion program for replacing your Series One PLC system that is fast, effective and let's you benefit from all the advantages of new GE Fanuc PLC technology, specifically the GE Fanuc 90-30 PLC system.

GE FANUC 90-30 PLC ADVANTAGES*

The GE Fanuc 90-30 PLC offers several key advantages over the Series One system, including:

- On-line diagnostics and monitoring of system performance
- Ethernet connectivity
- Window-based programming software
- Removable terminal strips on I/O modules
- Intel-based CPUs with math capabilities, including floating point math
- Wide variety of I/O modules
- Expandability to over 4,000 I/O points
- And much more.

The 90-30 system shares the same small footprint as the Series One, making it the ideal candidate for upgrade.

QUALITROL INTERNATIONAL CONVERSION PROGRAM

Qualitrol International makes it easy for you to convert your Series One system. The process consists of 4 easy steps:

1. Assemble a 90-30 system with parts that match the Series One configuration,
2. Convert the program in the Series One to 90-30 programming language and load it into the 90-30 CPU,
3. Install the 90-30 hardware in the field and wire up the I/O modules, and
4. Troubleshoot the system on the machine.

Here's all you need to do:

- Send us the layout of your Series One system - number of racks, listing of I/O modules in each rack, and CPU type.
- Send us a copy of your CPU program. Ideally, this should be a file generated by Logicmaster 1 software by GE Fanuc. If you cannot generate this file yourself, contact one of our engineers to recommend one of many solutions we have to extract your PLC program.
- Install the programmed 90-30 system in the existing panel and troubleshoot wiring and program performance. (See below for on-site engineering assistance from Qualitrol International.)

Here's what you receive:

- A new GE Fanuc 90-30 PLC system with exact hardware configuration as your current system.
- Modules in the new system will be arranged in the same order as the Series One system so that wiring in the existing panel will match up with the new I/O modules.
- Complete wiring schematic of each I/O module and power supply connection.
- Wiring instructions that correlates Series One I/O connections to the 90-30 I/O connections ("Wire on terminal 07 of the Series One connects to terminal 14 on the 90-30.").
- Converted program loaded on the new 90-30 CPU; off-line integrity of the program will be tested in our lab.
- Back-up copy of ladder logic program with complete annotation.

Series One users all over the United States have taken advantage of our Series One Conversion Program. In most cases we can convert the program in less than a week and the 90-30 installation can be done over a weekend.

As an added service, Qualitrol International can provide on-site engineering to install the new 90-30 system. We can provide:

- Removal of the existing Series One
- Installation of the new 90-30

- Wire all I/O modules
- Troubleshooting of all wiring and programming before line start-up
- Start-up assistance
- Hands-on Training for all engineers, operators, and maintenance personnel

Taking advantage of today's PLC technology from GE Fanuc is easier than ever before.

Contact one of our sales engineers to discuss your application or to receive a price estimate on upgrading your Series One system. We also give you credit for your old Series One parts.

*Other GE Fanuc products such as the VersaMax PLC and the latest system from GE Fanuc, the RX3i Programmable Automation Controller, can be used in place of the 90-30 system.