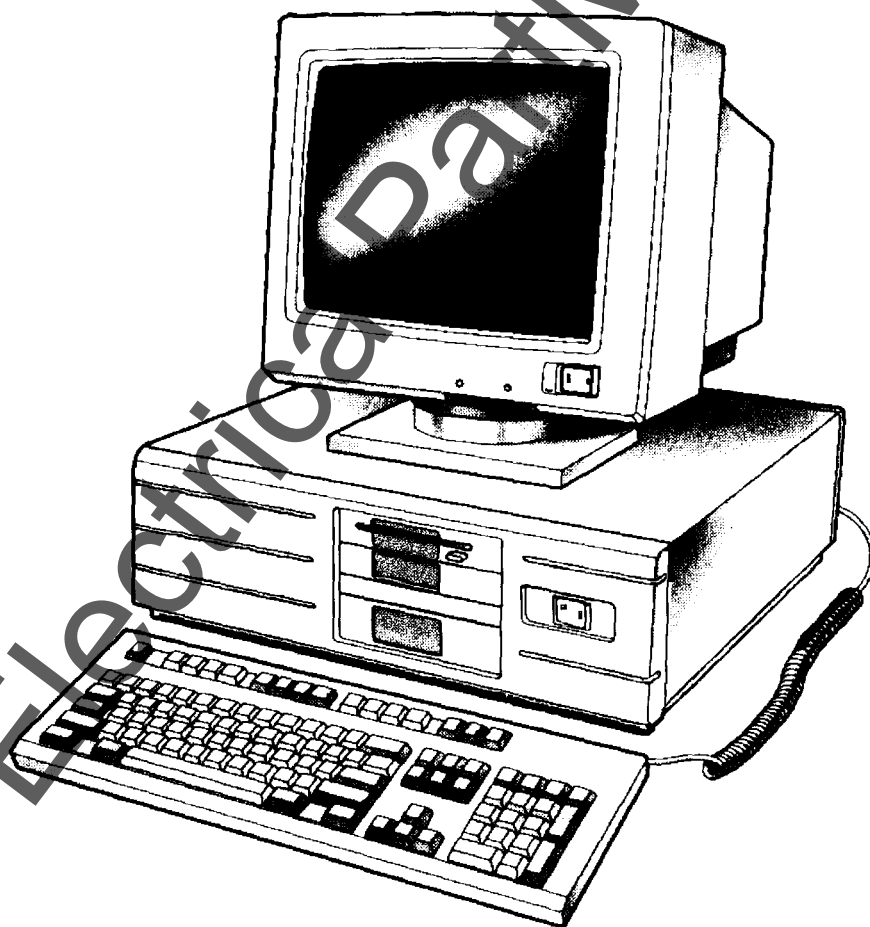


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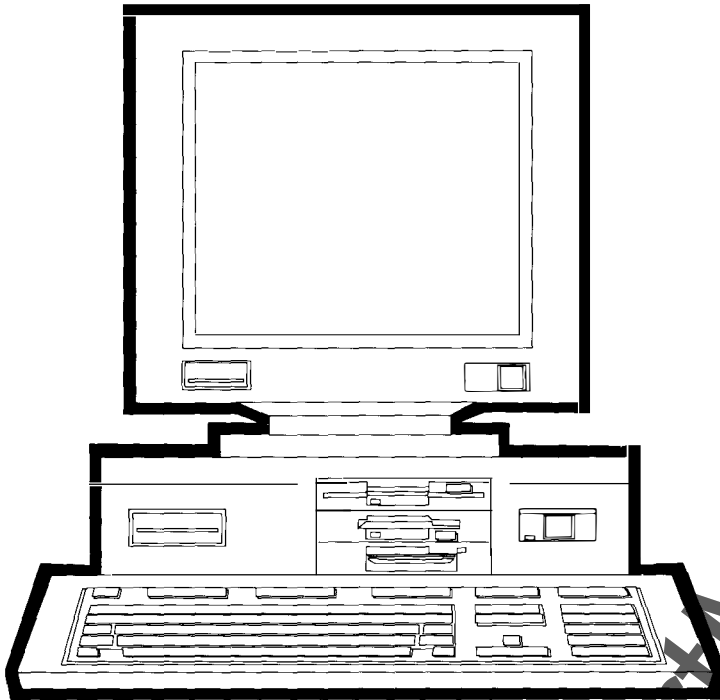
Bulletin DB-108

January, 1991

PowerLogic™ Workstations



SQUARE D COMPANY



A PowerLogic Workstation is . . .

As a part of a complete PowerLogic™ System solution, Square D Company offers the PowerLogic Workstation — a tested and approved personal computer which comes completely configured for each application. PC Workstations can be supplied as part of a retrofit project or new power equipment order. They can be mounted in the switchgear itself if required. And portable PC workstations can be furnished for PowerLogic System monitoring as well.

Manage Power System Information

The PowerLogic System is an electronic power monitoring and control system which is designed to put you in charge of your power system. Microprocessor-based metering devices, personal computers, powerful application software, programmable controllers and other compatible devices work together to provide you with the information you need. The PowerLogic Workstation is designed to handle the increasing amount of system information and provide it to

those who need it, when they need it. Workstations placed in key locations allow plant engineers, operators and others to make informed decisions using real-time and historical information. With a selection of PowerLogic Application Software, each workstation is pre-configured to fit the specific needs of the user.

Multiple Workstations on the Network

Accounting, maintenance, plant engineering and others can benefit from the information provided by the PowerLogic System. This requires a communications system offering flexibility, expandability, reliability and high performance. The PowerLogic system utilizes Square D's SY/NET® Local Area Network (LAN) to meet this need. The SY/NET network is an industry proven network designed to meet the rigorous demands of modern power systems. It supports interface to other networks, communication speeds through 500 kbaud, distances of 15,000 feet, and is easy to implement and

- 386-Based Personal Computer
- VGA Color Monitor
- Pre-configured with PowerLogic Application Software
- Hardware Options
 - Portable Workstation
 - Switchgear Mounted Workstation
 - Tape Backup System
 - Dot Matrix or Laser Printer
 - Modem Communications
- Custom Software Solutions

maintain. And with the SY/NET network, multiple workstations can be placed on the network to give access and control to those who need it.

A Variety of Standard and Custom Configurations

PowerLogic Workstations are available in standard configurations or can be customized to meet individual customer requirements. To ensure sufficient capacity and acceptable performance, the selection of hardware and software should be based on the overall system objectives and customer needs.

Hardware Options

If the standard hardware offerings do not meet your needs, PowerLogic Application Engineering will propose a custom system to your specifications. Portable Workstations are available for the engineer on the go. And, when required, an industrially hardened computer can be provided for mounting directly in the switchgear. Additional system memory (RAM), increased hard drive capacity, large/high resolution monitors, tape



Standard Workstation Hardware Offerings (Desktop PCs)

Workstation #1	Workstation #2	Workstation #3	Workstation #4
INTEL 80386 SX 16MHZ Processor and 80387 SX Math Co-Processor	INTEL 80386 20MHZ Processor and 80387 Math Co-Processor	INTEL 80386 25MHZ Processor and 80387 Math Co-Processor	INTEL 80386 33MHZ Processor and 80387 Math Co-Processor
40MB Hard Drive	80MB Hard Drive	85MB Hard Drive	110MB Hard Drive
2MB RAM	2MB RAM	4MB RAM	4MB RAM
5.25" & 3.5" Floppy Drives	5.25" & 3.5" Floppy Drives	5.25" & 3.5" Floppy Drives	5.25" & 3.5" Floppy Drives
VGA Color Monitor and Adapter	VGA Color Monitor and Adapter	VGA Color Monitor and Adapter	VGA Color Monitor and Adapter
DOS 3.3 or 4.01	DOS 3.3 or 4.01	DOS 3.3 or 4.01	DOS 3.3 or 4.01
101 Key Enhanced Keyboard	101 Key Enhanced Keyboard	101 Key Enhanced Keyboard	101 Key Enhanced Keyboard

backup systems, and internal/external modems are just a few of the options available.

Setup and Configuration Services

Application services for PowerLogic Workstations include the installation of all specified equipment and software, including DOS, Microsoft® Windows™, Microsoft Mouse, SY/LINK® PC Interface board, PowerLogic Application Software and other specified software packages. In addition, PowerLogic Application Engineers will configure each software package to meet the requirements of your power monitoring system. Circuit Monitor parameters, network communication routes, CT and PT ratios, alarm definitions and more are defined so that when your equipment goes on-line, power monitoring can begin immediately. Some of the configuration services provided for the PowerLogic Application Software series are described below.

PowerLogic Product Communications Software (PSW-101) is a basic power monitoring package which provides communication with up to 99 individual

Circuit Monitors. Configuration services available for this package include:

- PC Interface Setup
- Network communication routes
- Individual Device Setup

PowerLogic System Manager (SMS-700) is a powerful Microsoft Windows 3.0 compatible product which allows the user to collect and manipulate data from any number of Circuit Monitors and other compatible devices. Data can be presented in a variety of formats. It also supports background alarms, event recording, standard reports, on-line help, and much more. Configuration services available for this package include:

- PC Interface Setup
- Network communication routes
- Individual Device Setup
- Group Definition
- Analog and Digital Alarms

PowerLogic System Manager Plus (SMS-770) is an enhanced version of System Manager which adds several powerful features including the ability to define custom tables and custom reports, a macro language, and the ability to control Circuit Monitor outputs and the register contents of SY/MAX PLC's, or

other compatible devices. Configuration services available for this package include all of those shown above, plus:

- Custom Tables
- Custom Reports
- Macros (Automated Functions)

PowerLogic Interactive Graphics Interface (GFX-100) is an Add-On package which works with the System Manager software to provide an interactive color-graphics interface for system operators. Configuration services available for this software include:

- Custom Drawings (one-lines, elevation views, etc.)
- Setup and Placement of Data Blocks
- Linking of Related Drawings
- Interactive Control Setup (with SMS-770 only)

PowerLogic Waveform Analysis Software (DSP-105) is a powerful tool for use in comprehensive analyses of waveforms captured with the PowerLogic System. Configuration services available for this package include:

- Labbook (directory) Setup
- Customized Macros to facilitate analysis



PowerLogic™ Workstations

Custom Software Solutions

For users who require customized software solutions, PowerLogic Application Engineering can develop them. Some of the software solutions available include an interface to Lotus 123 (using 234LINK™), ladder programming for SY/MAX® processors, screen-graphics using ScreenWare2™, and others.

Other PowerLogic Application Engineering Services

In addition to the services described above, PowerLogic Application Engineering provides customers with a number of other valuable services including system engineering, on-site start-up and training.

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Custom 234Link™ Application (using Lotus 123®).

System Engineering

PowerLogic Application Engineers provide assistance in the development of the PowerLogic System, and follow the project through completion. Services which they can provide include system layout, device mounting, data communication lines, pre-delivery setup of each device, and computer setup.

On-site Start-up

On the job site, the PowerLogic System, including Workstations, is checked for proper operation. Communications are verified and the equipment is placed in service when appropriate.

Customer Training

Training, tailored to meet specific customer needs, can be provided before or after installation of any PowerLogic System. Training typically involves one or more days at the customer's location; however, training is available at other locations, including a Square D facility.

ORDERING INFORMATION

PowerLogic Workstations should be ordered by description by specifying the following:

- PC Hardware (One of the standard desktop offerings or as required)
- Optional Equipment (Printer, Modem, etc.)
- Standard Software to be Installed/Configured

For Further Information: Contact your nearby Square D sales office or call or write to: Square D Company • PowerLogic Application Engineering • 330 Weakley Road • Smyrna, TN • 37167 • Ph (615) 459-8500

We Respond. 