Introduction

Schneider Automation is pleased to announce the release of Monitor Pro v7, the latest version of its multi-user, real-time supervisory control and data acquisition software product. Schneider Automation has been offering a SCADA solution and the Monitor family of products for over 10 years, providing its customers with the latest in technology to meet the ever changing demand in the automation arena.

To continue providing cutting edge technology to its customers, Schneider Automation has formed a long term partnership with USDATA Corporation of Richardson Texas, USA in providing the Monitor Pro offer, the core of which is based on the FactoryLink product. This partnership offers a proven SCADA solution with a team of dedicated engineers focused solely on automation technologies associated with supervisory control and data acquisition applications.

As you work with and use the product you will see references to the core FactoryLink product in both the documentation and help files. This is not to be considered an error or misprint; Monitor Pro is distinctly different from the core FactoryLink product in the Add-On Modules offered.

These Add-On modules provide a tight integration with the Schneider Electric family of controllers as well as provide added benefit to our users when configuring applications.

With Monitor Pro v7 the following Add-On modules are provided with the base system:
* DOCAuto
* DiagViewer
* Communication Set-up Starter Application
* Multiplexing Actions
* Symbol Database Linker
* Trend Charts
* Communication Drivers to all Schneider Electric devices (including OFS)

If you have any questions on the use or application of this product, please contact your local sales representative or the Schneider Automation Technical Support Team.

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ADD-ONS

Monitor Pro supervisory control software is supplied on 3 CD-ROMs:

- Client and Server CD-ROM
- Device Interfaces and Value-Added Products CD-ROM
- Microsoft$^©$ SQL Server^{TM} CD-ROM 7.0.

When installed, the "Client and Server" CD-ROM forms the base of the Monitor Pro software.

Please refer to the "Installation Guide" where instructions for the complete installation of the basic software can be found.

All documentation for Monitor Pro can be found on the "Client and Server" CD-ROM in the Documentation folder. All documents may be viewed and printed with the help of Adobe Acrobat Reader 4.0 that is supplied on the "Client and Server" CD-ROM.

The Add-Ons are independent of the Monitor Pro base and are installed after the software base ("Client and Server").

They consist of functions facilitating control and use of Monitor Pro, while strengthening links between the PLC and the supervisory control databases.

To authorize your software, visit Schneider Automation at www.modicon.com, Keyword Jump monitorpro, or via e-mail to customercentral@modicon.com. You can also obtain an authorization by faxing the form provided during installation (also located in the Monitor Pro root directory FAX.TXT) to one of the numbers referenced above.

AVAILABLE ADD-ONS

Automatic Generation of Monitor Pro Application Documentation

DOCAUTO is a utility enabling structured documentation folders to be generated in the Monitor Pro applications.

The documentation files, together with a title page and footer, can be defined by the user.

PLC Diagnostic Viewer

PLC Diagnostic Viewer allows alarms information generated by the Diag Function Block in the Premium PLC and stored in the Diag Buffer to be displayed in the SCADA system. The information from the diag function blocks is both pre-programmed and user-defined. Diagnostic Viewer lets you view the same alarm information regardless of the view device - SCADA, CCX17, PL7Pro, or Magelis.

Multiplexing Actions

This function is used to configure a sequence of actions on Monitor Pro database TAGS (assignments, calculations, conditions, scales, etc) via a single Trigger.

OFS Linker

OFS Linker uses Schneider Automations OPC Factory Server. OFS Linker supports integration of both Concept and PL7. Once a tag is configured in the PLC programming package, you can then copy and paste it into the MonitorPro database, or if desired, use it directly from the OFS Server saving application development time and reducing errors.

Starter Applications

This function preconfigures applications to be created for a specified communications network. When the application is restored, linked instructions help you enter the specific parameters for your installation, and help you to quickly instigate communication between Monitor Pro and your control systems.

Static Object Library in Power Object Format

A static (i.e. not animated) object library is supplied in "Power Object" format. It contains numerous objects (such as PLCs, computing devices, valves, tanks, buttons, icons, etc), which enable you to speed up and facilitate creation of your synoptics.

To use it, images supplied and placed under {FLINK}\ADDONS\STAT_GPX simply have to be imported into your application from the application editor.

Symbol Database Link

Automatic configuration of communication tables for Monitor Pro applications (read/write tables) using a symbols database for a control system application (X-TEL, PL7, CONCEPT).

Telemecanique Direct Request

Generation of requests (in addition to standard read/write requests already supported by Monitor Pro).

Reception of responses to requests sent as acknowledgments.

Telemecanique File Transfer

Transfer of application programs from TSX Series 7 or TSX 37/57 PLCs to binary devices accessible by Monitor Pro and vice versa (hard disk, diskette, server disk, etc).

Data transfer from TSX Series 7 or TSX 37/57 PLCs to binary devices accessible by Monitor Pro and vice versa (hard disk, diskette, server disk, etc).

Comparison of the contents of two accessible devices (Wi data or programs).

Startup or stop of TSX Series 7 or TSX 37/57 PLCs.

Trend Charts

Power Object enables simple and fast logging and viewing of Monitor Pro database variables.

PLC COMMUNICATION

This list may be extended according to the version of Monitor Pro in use. For further information, please consult your local supplier.

Monitor Pro communicates with all Schneider Automation PLCs:

- Unitelway and Modbus networks
  - MODICON TSX Nano
  - MODICON TSX Micro
- Uni-Telway, Modbus, Ethway, Fipway and Modbus Plus networks
  - MODICON TSX Premium (TSX 57-xx, PMX 57-xx and PCX (57-xx) series)
- Modbus, Modbus Plus and Modbus Ethernet networks
  - MODICON TSX Quantum
  - MODICON 984 (Modbus and Modbus Plus)
- Series and Ethernet 802.3 networks
  - Square D SY/MAX
- Modnet 1/SFB and KS functions
  - A120, A250 and A500 (Modnet 1/SFB only)
- APRIL ® Series 1000 ETHWAY communication interface
- APRIL ® Series 1000 JBUS communication interface

The Unitelway network driver for Windows NT can be found on the Add-Ons CD-ROM and may be installed directly from the drvutwnt directory for Windows NT.

The Fipway driver is supplied with an ISA format PC compatible serial communication card (reference TSX FPC 10M).

The Ethway driver is supplied with an ISA format PC compatible serial communication card (reference TSX ETH 10M).

The Modbus Plus driver (Cyberlogic Modbus Plus LNET driver) is supplied with a PC compatible serial communication card (reference AM-SA85-030 for a PC compatible card, AS-SA85-032 for access to a redundant Modbus Plus network, or 416NHM21233 for a PCMCIA type 3 card).

If you already have a card, please contact your local supplier for the latest update of the Windows NT driver.

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PLC Communication