Introducing the VisualControl™ Suite, powerful new Windows® 95/98/NTW2K/XP software that dramatically simplifies and speeds the process of building and managing LonWorks® networks. With VisualControl Suite, you can graphically write application programs, download them to their target nodes, install the nodes on the network and connect network variables—all without ever writing a single line of Neuron® C code!

By utilizing an extensive library of pre-programmed control function blocks, mathematical operators and logic blocks together with an innovative and intuitive “drag/drop/connect” graphical user interface (GUI), VisualControl Graphical Programming software makes short work of the most complex control strategies. VisualControl's self-documenting, graphical representation speeds design, facilitates debugging, and simplifies modification. VisualControl Graphical Programming generates executable files for the 16- and 32-bit LonWorks® databases, making it an effective tool that complements any network manager application.

VisualControl Network Manager software allows you to install, monitor and maintain LonWorks® networks consisting of multiple nodes, routers, and channels. By using the innovative VisualControl “Bind Wizard,” networking nodes is accomplished with a click of your mouse. And with the Network Manager you can view your network data on line in real time.

The Network Manager is designed to work with any LonWorks® Network Services (LNS) database. When combined with VisualControl Graphical Programming, you have a complete, single-source solution to your LonWorks®-based design and management requirements.
The VisualControl Suite lets you program, configure, install, monitor, and control LonWorks® networks with simplicity.

VisualControl™ Graphical Programming

The VisualControl Suite lets you program, configure, install, monitor, and control LonWorks® networks with simplicity.

VisualControl™ Network Manager

Rapid Deployment Tools

The VisualControl® Network Manager is the first release in a family of network managers, which includes Enterprise (VCNM-ENT), Professional (VCNM-PRO) and Premium (VCNM-PRE) versions. Each network manager has a defining feature set addressing your network requirements.

The VCNM-STD is an intuitive interface for creating small and large LNS-based networks. It provides flexibility with a multiple document interface and familiarity with a hierarchical tree view of the network. The base package includes 256 nodes.

Additional nodes can be added at the lowest price available in the industry.

The VCNM-STD for LonWorks simplifies the configuration and installation of multiple subsystems, meters, Nodes, Routers and Channels. Its management operations include discover, authentication, binding, adding Nodes and Routers to new Channels, splitting Channels, monitoring of all communications, alarming, and more. It is designed for tight integration of LonWorks devices and strategies that have been implemented and creates an executable image for the node. A simple drag and drop of function blocks can generate hundreds of lines of consistent and debugged Neuron C code to configure nodes, you simply construct a control program for a node by dragging control devices, math and logic operators into toolbars. Then, using the connections toolbar, you interconnect the operators to define the functionality of the node. Constructing the node in this way, VisualControl generates efficient Neuron C code for the device and strategies that have been implemented and creates an executable image for the node. A simple drag and drop of function blocks can generate hundreds of lines of consistent and debugged Neuron C code. In addition, it documents your design with an easy-to-follow graphic representation of your control strategy, which simplifies debugging and modification.

Network Manager Features

- Montage real-time views of data at one node or across several nodes
- Install and maintain networks of multiple nodes, meters, channels – subnets and sub-systems
- Bind variables to multiple nodes simultaneously
- Add factory programmed nodes to the LNS database
- Create network-owned, off-net, private, shared
- Automatic Discovery of programmed nodes
- Standard & Physical tree views of Network configuration
- Graphical view of functionality
- Backup & Recovery of network database

VisualControl Suite Benefits

- By reducing engineering and programming time, VisualControl graces systems with a dramatic reduction in time to market.
- Generates efficient Neuron C code that takes full advantage of Neuron chip resources
- Surpasses the IEC-1131-3 standard for function block programming for building automation
- Generates the XIF, NXE, and APB files for all nodes
- Provides a 30-70% reduction in control system programming
- Single-source-solution for programming and management tools
- Fully integrates with LonWorks® and LonTalk® peer-to-peer communications
- Designed as an ActiveX server

VisualControl Suite Features

- Inexpensive alternative to traditional programming
- Single source system for LonWorks programming
- Uses the same advanced graphical programming tools and standards as the full-featured version
- Supports ISO 11898-3 (CANopen) and ISO 10187 (DeviceNet) protocols
- Generates Neuron C code for programming

Network Manager

- LonWorks® network management
- Single-source-solution for LonWorks programming
- Graphical programming
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- Graphical programming
- LonWorks® network management
- Single-source-solution for LonWorks programming
- Graphical programming
VisualControl, LLC’s mission is to be the premier source for LonWorks® open system software tools for the automation industry. Today, the industry demands open control networks that are distributed, easy to program and capable of peer-to-peer communication. The LonWorks® architecture provides the industry with a network of flexible, distributed programmable controllers that incorporate peer-to-peer communication. The network can be a challenge to program and manage. VisualControl, LLC has developed a group of in-house tools to support contract automation projects.

These tools are now commercially available and known industry wide as VisualControl.

Since 1993 VisualControl, LLC has been developing complete software solutions to support the LonWorks® open systems architecture. Critical to the development of the VisualControl software suite was taking full advantage of interoperability and enterprise software solutions. The VisualControl suite will be the only automation configuration, management and reporting software tool set that installers, engineers or facility managers will ever need.