

PLC ControlNet Training | eBook Curriculum



eBook: E40665

The PLC ControlNet eBook curriculum adds to the PLC Troubleshooting Learning System to teach the fundamentals and troubleshooting of industrial communications networks using ControlNet, a popular ControlLogix control network. ControlNet is a high-speed deterministic network for transferring both scheduled and unscheduled messages on the same cable. The rapid exchange of data between departments within a manufacturing facility has become an integral part of the production process. Technicians must be able to understand, install and troubleshoot these networks.

In-Depth Curriculum

Comprehensive PLC ControlNet Curriculum

Amatrol's PLC ControlNet curriculum teaches PLC ControlNet topics, including: industrial communications networks; remote I/O; and produced/consumed data and messages. Within these topics, learners will study objectives like adding a 1756-CNB ControlNet module to the ControlLogix I/O configuration; configuring a rack-optimized ControlNet remote I/O network using 1756-CNB modules; and transferring data between controllers using produced and consumed tags on ControlNet.

Feature-Packed eBook Format Makes Learning Convenient

Amatrol's eBooks look like a real book and allow users to flip between pages with ease. Enhanced with features such as keyword searches and zoom controls that enable a user to quickly locate and view information, these eBooks are a fantastic learning tool. Amatrol's eBooks are available online and can be used by anyone with access to Amatrol's Learning Management System (LMS). Optionally, if you choose to use your own LMS, these eBooks are SCORM compatible to allow smooth integration into your current training system. Combined with our already extensive library of interactive multimedia titles, which are also SCORM compatible, users can now complete their entire course work online!

Teach Hands-On Skills

What are Three Level of Industrial Networks?

Industrial networks are high-speed connections that exchange data between production line equipment and other

departments within the manufacturing facility. Networks permit basing production and inventory on sales, and heighten accountability for down time and scrap. Modern networks seamlessly transfer data from one type of network to another, using the most efficient network for the type of data being transferred. Most facilities use three classes of networks: Enterprise level, Automation and Control level, and Field Device level.

Real Industrial Components

The PLC ControlNet training system includes: two ControlNet modules, two ControlNet taps, ControlNet cable, RSNetWorx Software, supplemental disk, mounting hardware, student curriculum for both theory and lab, and a teacher's assessment guide. Students will learn how to install, configure, and troubleshoot ControlNet networks.

Additional Info

Requires:

- Two (2) Programmable Controller Troubleshooting Workstations (890-PECB)
- Two (2) PLC Troubleshooting Learning System - AB ControlLogix (890-AB5500)
- PLC Ethernet Learning System (89-EN-AB5500)
- RSNetworx Programming Software for ControlNet (82-708)
- Computer (see [Computer Requirements](#))

Utilities:

- See base systems for utility requirements.

Options:

- Programmable Controllers (ControlNet) eBooks (E40665)

Address

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