

## PLC 2 Levels 1 & 2

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### Description

The PLC-2 course is divided into two levels. Level 1 introduces the participant to the hardware components, industrial terminal features, software/programming techniques, the memory addressing scheme, the data table and the basic instruction set.

Level 2 builds on the information learned from attending the Level 1 course or obtained through

on-the-job training experiences. The major topics covered include: upper level instruction set, block transfer concepts, sequencing, data transfer, subroutines and real troubleshooting techniques.

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### Outline

#### Level 1

- Familiarization of PLC-2 Hardware
- Memory Configurations
- Local Configurations
- Remote Configurations
- T-3 Industrial Terminals
- Basic Instruction Set
- Ladder Entry and Editing
- Search and Help Features
- Troubleshooting Techniques

#### Level 2

- Level 1 Review
- Subroutines
- Block Transfer Routines
- Analog In/Out Concepts
- Upper Level Instructions
- Data Highway Concepts
- Sequencing Instructions
- Program Debugging
- Maintenance Formats

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### Prerequisites

Students wishing to take either course should have completed the Programmable Control Basic course or have the necessary hands-on experience.

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### Performance Objectives

Upon completion of this course the maintenance electrician, engineer or technician can utilize and better understand the PLC-2 family of hardware when troubleshooting or modifying configurations.

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### Course Length

40 hours.