

PLCS MAINTENANCE

The course has been designed to familiarise Maintenance Engineers and Electricians with the many different aspects associated with the operation and maintenance of Allen Bradley PLC 5 controllers.

Where possible, application specific exercises, actual drawings and programs listings are used to allow the students to gain the greatest possible benefit from the course.

OBJECTIVES

The student will be able to perform the following:

- ✓ Locate and replace faulty modules.
- ✓ Reload programs.
- ✓ I/O Fault finding.
- ✓ Fault finding on PLC-5 communication links.
- ✓ Implement small changes to the program.
- ✓ Interpret and understand basic ladder logic.
- ✓ Using RSLogix or 6200, to connect online and monitor programs to determine plant problems.

COURSE CONTENT

- ✓ Introduction to the PLC5 range.
- ✓ Processor indication and connections.
- ✓ I/O module and interfaces.
- ✓ Addressing and file types.
- ✓ Program Structure, ladder files the JSR function.
- ✓ Creating a project with RSLogix.
- ✓ Hardware configuration.
- ✓ Select the drives for communications via RSLinx.
- ✓ Downloading the project.
- ✓ Online monitoring and searching with RSLogix.
- ✓ The Basic instruction set. Relays, timers & counters.
- ✓ Maths functions.
- ✓ Customised data monitoring.
- ✓ Analogue modules and block transfers.
- ✓ Data monitoring using the data table.
- ✓ Forcing techniques.
- ✓ Further in instruction. Compare, moves and limits.
- ✓ Program documentation and database.
- ✓ Searching the comment database.
- ✓ Introduction to DH+ communications.
- ✓ Introduction to the MSG function for communications.
- ✓ Histograms.
- ✓ fault finding principles and procedures.
- ✓ Application exercises on your plant programs.
- ✓ Trending.

Course Reference
AB5M

Course Duration
4 Days

Documentation
Allen Bradley PLC5
Maintenance Training
Manual.

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