

PACSYSTEMS RX3I

PAC RX3i PLC Systems & Maintenance

This course has been designed to familiarise Maintenance Engineers with the many different aspects associated with the operation and maintenance of the RX3i programmable 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

To introduce students to the concepts and operation of RX3i programmable controllers, including the following areas:

- ✓ Locate and replace faulty modules.
- ✓ Fault finding on Genius communication links.
- ✓ Using Proficy machine edition to connect online and monitor programs to determine plant problems.
- ✓ Reload programs.
- ✓ I/O Fault finding.
- ✓ Implement small changes to the program.

COURSE CONTENT

Refresher on

- ✓ The hardware architecture of the series PACS controllers.
- ✓ I/O Modules and wiring.
- ✓ Hardware configuration.
- ✓ Addresses used in the PACS series of controllers.
- ✓ Program structure, creating blocks and block declaration.
- ✓ First steps with the programmer.
- ✓ Quick keys used on the programmer for: Mode selection, run/stop.
- ✓ Creating a Project.
- ✓ Loading and save Project to the PLC.
- ✓ Online monitoring and searching.
- ✓ Using and creating program documentation.
- ✓ Instruction set: Relay, maths, move, compare and logic functions.
- ✓ Copying and backing up folders.
- ✓ Analogue modules and analogue scaling.
- ✓ Introduction to Ethernet communications.
- ✓ Concept of System bits.
- ✓ Data monitoring using the reference tables
- ✓ Forcing Facilities.
- ✓ Faulting tables
- ✓ Diagnosis and resetting faults.
- ✓ Documentation using the variable declaration and rung comments.
- ✓ Application exercises on your plant exercises.

This course will contain detailed application exercises.

Course Reference
PACRX3i

Course Duration
4 Days

Documentation
PAC RX3i Programming
Maintenance
Training Manual.

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