

Manufacturing Skills Training

Direct Logic 205 PLC

This 32-hour course provides participants* with practical skills to service and troubleshoot Koyo Direct Logic 205 Series Programmable Logic Controllers

Instructional topics:

- Evolution of PLCs
- Direct Logic 250 Components and assembly
- Understanding Inputs and Outputs.
- I/O Addressing
- Communication
- PLC Safety
- Using DirectSoft 5 Software
- Memory Organization
- The CPU
- Understanding the Ladder Instructions
- Documentation
- Control Schemes
- Troubleshooting

Lab Exercises:

- Assembling and commissioning a PLC
- Connecting to a PLC, uploading and downloading programs using DirectSoft 5 software
- Program documentation
- Using basic instructions
- Using timer and counter instructions
- Using file move and compare instructions
- Using math instructions
- Monitoring inputs and outputs
- Configuring extended local I/O and Remote I/O
- Build and troubleshoot an electronic drive control process
- Build and troubleshoot a flow/level control process

*Applied Industrial Electricity training or equivalent skills required for this class.