

D Controller Robot System Integration Course

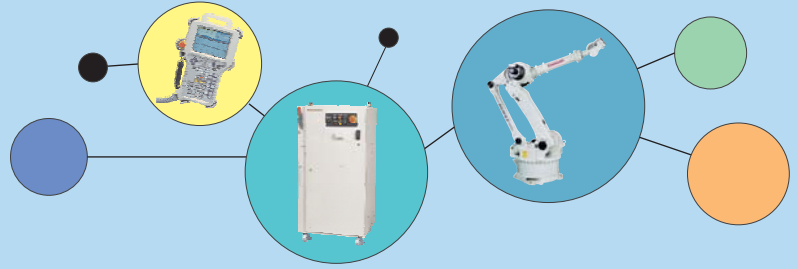
Course No. CIDCON

The D controller robot system integration course is designed for system integrators who are currently proficient with robot system integration. This is a fast paced course that provides students with both classroom instruction and hands-on lab exercises designed to build upon their existing knowledge of robot system installation, operation, and programming. This course is approximately 25% classroom presentation and 75% hands-on lab exercises.

- Course Goal:** Upon successful completion of this course, the student should be able to install, operate, and program the Kawasaki D Controller robot system using existing documentation.
- Audience:** This course is primarily intended for robot system integrators who will install, operate, and program the Kawasaki D controller robot system.
- Prerequisites:** Individuals must have working knowledge and experience in robot operation, programming, and installation.
- Course Length:** 5-days (35 clock hours)

To register

Call (248) 446-4298
or
Email:
kri-training@kri-us.com



D Controller Robot System Integration Course

Course Outline

Monday

Available Kawasaki Reference Manuals and Their Content

Safety

Power On/Off Procedures

Electrical System

- Power Distribution - System Components, Circuit Boards and Grounding
- Alarm Circuitry – Safety Circuits, Error Codes
- Identify Existing I/O Internal Wiring to Robot (Clamps, Sensor Signals, etc.)
- Robot Arm Mounting Holes

Tuesday

Block Step Programming

- Jogging
- Create, Check, Edit and Playback Block Step Programs
- Signals – Force On/off, Screens, Signal Names
- Wait Override
- On-line Edit Screens
- Program Teach Pendant I/f Panel Software Devices
- Selective Auxiliary Functions Including Save/load, Error Logs, Zeroing, etc.
- Interpolation, Speed, Accuracy Selection Considerations

Wednesday

Advanced Level (AS) Programming

- Monitor Commands
- Program Instructions
- Create, Check, Edit and Playback Mainline, Subroutines and PC Programs
- Optimum Robot Setup: Tool Dimensions, Load/weight, Parameters
- Preprogrammed AS Language Instructions
- Hybrid Programs: Block Step Programs with AS Language Instructions
- PC Interface – KCWin32 and TCP/IP (Ethernet)

Thursday

Advanced Level Programming (continued)

- I/O Interface
- Discrete I/O
- DeviceNet

Friday

DeviceNet (continued)

KLogic

Final Review and Evaluation

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