

PLC Wiring & Troubleshooting

2022 SCHEDULE

March 1 - 4
MONTGOMERY, AL

March 8 - 11
PORTAGE, MI

April 5 - 8
KNOXVILLE, TN

May 3 - 6
FORT WAYNE, IN

May 17 - 20
LANSING, MI

June 14 - 17
GRAND RAPIDS, MI

July 12 - 15
KINGSPORT, TN

August 9 - 12
FORT WAYNE, IN

August 16 - 19
BIRMINGHAM, AL

September 13 - 16
PORTAGE, MI

September 20 - 23
CHATTANOOGA, TN

DETAILS

Tuesday - Friday
8:00am - 4:30pm

Lunch provided

Instructor Led, Hands-on Training

At the completion of this training, the employee will be able to “talk through” and troubleshoot the PLC’s ladder logic using the Logix5000 software in order to locate a “real” faulty input or output device, replace it, and get the process back up and running. **It’s all about troubleshooting!**

Each participant will wire the actual input and output (I/O) field devices to the PLC. **The participants actually wire their own PLC Trainer!**

Topics Covered:

- Ethernet communications set up using RSLinx
- Demonstrate the BootP utility using an “out of the box” controller to set the IP address and the configuration in RSLinx
- Ethernet/IP driver – explain “RSWho views” and RSLinx configuration
- Toggling and Forcing Real and Simulated inputs and outputs
- Timers (TON, TOF, RTO, RTF), Counters (CTU, CTD), One-Shot (ONS)
- Compare blocks (EQU, NEQ, LES, GRT, LEQ, GEQ, LIM), First-Scan (S:FS)
- Math blocks (ADD, SUB, MUL, DIV, CPT), Set Bit Zero/Negative (S:Z, S:N)
- Jump (JMP), Jump to Subroutine (JSR), Master Control Reset (MCR)
- One/two Dimension arrays, Fill File (FLL), Copy File (COP), Average File (AVE)
- Bit-Shift Right/Left (BSR, BSL), First-In-First-Out (FIFO) Load/Unload (FFL, FFU)
- Last-In-First-Out (LIFO) Load/Unload (LFL, LFU), Masked Move (MVM)
- Sequencer Output (SQO) using the Array, Mask, and Output Tables
- Indirect Addressing, Add-On Instructions (AOI)

NOTE: Numerous **hands-on** labs utilizing troubleshooting skills are included.

REGISTRATION INFORMATION:

Cost: \$1,895 Register at: keinc.info/plc



Visit KENDALLELECTRIC.COM/TRAINING
to view all training offered by Kendall Electric.

KENDALL CONNECTED TRAINING

PLC WIRING & TROUBLESHOOTING

2022 CLASS SCHEDULE

CLASS DATES	LOCATION	VENUE	ADDRESS
March 1 - 4	Montgomery, AL	Kendall Electric	6064 Perimeter Pkwy., Montgomery, AL 36116
March 8 - 11	Portage, MI	Kendall Electric	5101 South Sprinkle Road, Portage, MI 49002
April 5 - 8	Knoxville, TN	Kendall Electric	170 Mabry Hood Road, Knoxville, TN 37922
May 3 - 6	Fort Wayne, IN	Kendall Electric	4621 Executive Blvd., Fort Wayne, IN 46808
May 17 - 20	Lansing, MI	Kendall Electric	7633 Lanac Street, Lansing, MI 48917
June 14 - 17	Grand Rapids, MI	Kendall Electric	832 Scribner NW, Grand Rapids, MI 49504
July 12 - 15	Kingsport, TN	Kendall Electric	1241 Jan Way, Kingsport, TN 37660
August 9 - 12	Fort Wayne, IN	Kendall Electric	4621 Executive Blvd., Fort Wayne, IN 46808
August 16 - 19	Birmingham, AL	Kendall Electric	1189 Grants Mill Road, Birmingham, AL 35210
September 13 - 16	Portage, MI	Kendall Electric	5101 South Sprinkle Road, Portage, MI 49002
September 20 - 23	Chattanooga, TN	Kendall Electric	6233 Airpark Drive, Chattanooga, TN 37421

INSTRUCTOR: Bob Draime

Bob provides electrical training for the customers of Electrical Distributors and for employees of all types of industries. His extensive experience in conducting electrical training has enabled him to recognize the special needs of countless companies and their employees.

He began providing electrical training at Dunwoody Industrial Institute while employed as an Electrical Engineer for Northern States Power (XCEL Energy) in Minneapolis, Minnesota. He then served as an Electrical Engineer for United Technologies. Later he spent several years as a college Professor, which provided him with extensive knowledge of how to clearly and effectively teach technical material.

Bob earned Electrical Engineering degrees from Michigan Technological University and the University of Tennessee.

COST AND ORDERING INFORMATION

- Register at: keinc.info/plc
- 4-Day Seminar, Tuesday - Friday
- 8:00am - 4:30pm, lunch provided
- Cost: \$1,895 per student
- All training materials are provided in class
- Course ID # 3752291

On-site training is also available!

For more information, contact your Kendall Electric Account Manager or email our training coordinators at training@kendallelectric.com.



VISIT KENDALLELECTRIC.COM/TRAINING TO VIEW THE COMPLETE TRAINING AND EVENT CALENDAR, ROCKWELL AUTOMATION TRAINING COURSES, AND REGISTER TO RECEIVE OUR QUARTERLY NEWSLETTER.