

PLC WIRING & TROUBLESHOOTING

FALL 2020

(Location details on page 2)

October 26 - 29
Saginaw, MI

November 9 - 12
Grand Rapids, MI

November 16 - 19
Fort Wayne, IN

November 30 - December 3
Kalamazoo, MI

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. This includes photo-electric and inductive proximity sensors, selector switches, pushbuttons, contactors, indicator lamps, along with the DC Power Supply. **The participants actually wire their own PLC Trainer!**

Topics Covered:

- Communication path configuration, “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 in all of the above subject matter in order to reinforce the lecture material.

Instructor: Bob Draime

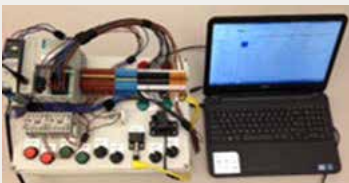
DETAILS

Monday - Thursday
8:00am - 4:30pm

Lunch provided

REGISTRATION INFORMATION:

Cost: \$1,895 Register at: keinc.info/KCT-F20



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

KENDALL CONNECTED TRAINING

PLC WIRING & TROUBLESHOOTING FALL 2020 SCHEDULE

CLASS DATES	LOCATION	VENUE	ADDRESS
Oct 26 - 29	Saginaw	Hampton Inn, Beacon Room	2695 Tittabawassee Road, Saginaw, MI 48604
Nov 9 - 12	Grand Rapids	Baymont Inn	8282 Pfeiffer Farms Drive, Byron Center, MI 49315
Nov 16 - 19	Fort Wayne	Ceruti's, Summit Room	6601 Innovation Drive, Ft. Wayne, IN 46818
Nov 30 - Dec 3	Kalamazoo	Four Points by Sheraton	3600 East Cork Street Court, Kalamazoo, MI 49001

On-site training is also available!

Email training@kendallelectric.com to request training at your facility.

COST AND ORDERING INFORMATION

- 4-Day Seminar, Monday - Thursday
- 8:00am - 4:30pm, Lunch Provided
- Cost: \$1,895 per student
- All training materials are provided in class
- Course ID # 3752291 PLC Wiring and Troubleshooting
- Register at: keinc.info/KCT-F20

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.