

## VARIABLE FREQUENCY DRIVES (VFD) TRAINING

### FALL 2020

December 3  
Basic VFD 525

December 4  
Basic VFD 753

### Instructor-Led, Hands-On Training

- Flexible Training Offering – only choose the days you want
- Scalable Training Offering – classes cover various skill levels
- Individual Training – students will be provided with individual lab stations
- Limited seating available

### About the Training:

The training classes cover the topics listed in the training matrix shown on page 2. For the best learning experience, we recommend taking training classes in a sequence as they build on one another. Having prior knowledge or skills may allow you to take advanced classes without taking the lower-level classes.

### About the Instructor:

Roy Radziszewski is an automation and networks instructor. He teaches courses covering various types of Allen Bradley™ AC variable frequency drives, small and medium range PLCs, PanelView graphic terminals, and Networks (including Stratix switches).

During Roy's career he has started-up, serviced and designed control systems, and has deployed thousands of drives for all types of industrial manufacturing applications.

Roy holds an electrical engineering degree from The Milwaukee School of Engineering and an MBA from the University of Houston. In addition, he holds programming certificates (C, C#, Android, and real-time embedded systems) from the University of Washington and University of California, Irvine. Roy is currently working on his CCNA Certification through Cisco.

### DETAILS

Crowne Plaza  
Lansing West  
925 S. Creyts Road  
Lansing, MI 48917

9:00am-4:30pm

Lunch provided

## REGISTRATION INFORMATION:

Cost: \$1,095 per student / per day

Register at: [keinc.info/KCT-F20](http://keinc.info/KCT-F20)



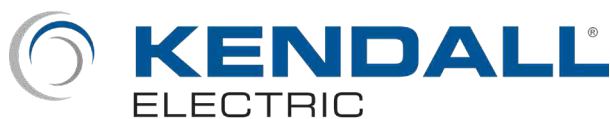
Visit [kendallelectric.com/training](http://kendallelectric.com/training) to view all training offered by Kendall Electric.



All classes: 9:00am-4:30pm

<b>VFD Training Matrix (525 or 753)*</b>	<b>Basic (1-Day)</b>	<b>Intermediate (1-Day)</b>	<b>Advanced (1-Day)</b>
VFD power section theory	✓		
DC bus theory	✓		
Dynamic braking lab	✓		
Safe-Torque off theory and lab	✓		
HIM module	✓		
2 and 3 wire control lab	✓		
Digital output lab	✓		
Analog input and output lab	✓		
Motor theory	✓		
Loading motor parameters into VFD	✓		
Preset speeds lab	✓		
Hand-off-auto lab	✓		
Volts per hertz theory		✓	
Complicated dual VFD wiring labs		✓	
Encoder feedback theory and lab		✓	
Input protection (reactors)		✓	
Output protection (reactors)		✓	
VFD application discussion		✓	
Positioning lab		✓	
CCW software		✓	
PID regulation theory and lab			✓
PID anemometer lab			✓
Ethernet communications theory			✓
Device level ring theory and lab			✓
Introduction to Studio 5000 software			✓
Winder application discussion			✓
Connecting a PLC and VFDs via ethernet lab			✓

\*The same training topics are covered in the 525 and 753 classes.



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