Industrial Solutions

PRODUCTS

- PLC Control Systems
- Drives
- Instrumentation
- Motors
- Electrical

APPLICATIONS

- System Integrators
- Panel Building
- OEM
- MRO
- End Users

PRODUCT LINES

- 3M
- Arlington Industries
- Austin Electrical Enclosures
- Baldor A Member of the ABB Group
- Belden
- Block
- Brady
- Burndy
- Cerroewire
- Charlotte Wire & Cable
- CME Wire & Cable
- CREE
- Dwyer
- Eaton
- Eaton B-Line
- Eaton Bussman
- Eaton Crouse Hinds
- Eaton Lighting
- Eaton Wiring Devices
- Eiko
- Festo
- Finder
- Fluke
- GE
- Greenlee
- Hammond Power Solutions
- Holophane
- Hubbell Killark
- Hubbell Lighting
- Hubbell Power Systems
- Hubbell Raco
- Hubbell Wiring Device-Kellems
- IDEAL Industries
- Intermatic
- Klein Tools
- Lapp Group
- Legrand
- Leeson
- Lithonia Lighting
- Lutron
- Lutze Cable
- Milwaukee
- OCC
- Okonite
- O-Z/Gedney
- Panduit
- Pepperl+Fuchs
- RAB Lighting
- Rittal
- Service Wire Co.
- Schmersal
- Siemens
- Sprecher + Schuh
- TCI
- Thomas & Betts A Member of the ABB Group
- Toshiba
- Universal Lighting Technologies
- Weidmüller
- Wiha Tools

All lines listed may not be available at all locations. Lines are subject to change and additional lines may be available.

LOCAL • KNOWLEDGEABLE • TECHNICAL SUPPORT

WE ARE YOUR TOTAL INDUSTRIAL SOLUTION
To Find a Location Nearest You Visit statelectric.com
Training
We offer 6 CEU approved classes for North Carolina Electrical Licensing. These classes are usually conducted in our training facilities, but can be given on site if desired. The North Carolina Contractor certified educational courses are listed below.

Arc Flash Awareness
(8) CEU Credits
Agenda
Article 110: Safety Manual
Article 120: Lock Out Tag Out
Article 130: Working on or near Electrical Hazards
Understanding Known Electrical Hazards
Limited Approach Boundary
Restricted Boundary
Arc Flash Boundary
PPE Class Requirements
Hazardous Risk Assessment

Basic Controls
(6) CEU Credits
Agenda
Reading Drawings, One-Line and Schematics
Basic AC and DC Circuits
Explanation of DI, DO, AI, AO, RO, Pulse Related to Control Devices
Understanding Relays
In-Depth Look at Motor Starters, Applications and Sizing OL Units
In-Depth Look into Properly Sizing IEC Contactors
Basics of Solide State Relays
Limit Switch Wiring, Mounting, Types and Application
Proximity Switches (Induction and Capacitance) Wiring, Types and Applications
Photo Switches Wiring, Mounting, Types and Applications
Binary Numbers
Basic Process Control, Control Loop, Transducer, Transmitter and Control Drawing

Eaton HMAX Certified Start-Up
This class is for electricians, technicians, HVAC technicians and others who desire to be certified to perform Eaton HMAX CSU to receive a 3 year warranty on the VFD.

Basic VFD
(6) CEU Credits
Agenda
VFD Proper Installation
VFD Power Structure
VFD Rectifier
VFD DC Buss
VFD Inverter
VFD Control
VFD Applications
VFD Energy Saving Topics
VFD Troubleshooting
VFD Safety Issues
VFD Issues: Harmonics, Reflective Wave, Command Mode Current, Motor Bearings
VFD Line Reactors, Filters, Cable, Sine Filters
Basic Motor Operational Topics

VFD Programming
(6) CEU Credits
Agenda
VFD Configuration
VFD Parameter Layout
VFD Wizards
VFD Marco’s
VFD Control Modes
VFD Control Wiring to Programming Relationships
Various Application Programming
Specific Applications on Request

PLC 100
(6) CEU Credits
Agenda
PLC Theory
PLC Layout
PLC Wiring
PLC Basic Programming
PLC Troubleshooting
PLC Program Documentation

*Class CEU credits are approved for NC Electrical renewal if the class is registered
Industrial Solution Technical Specialists
We offer field service support on any manufacturer’s drives, PLC’s, control systems, instrumentation and system wide troubleshooting. We also provide a 24/7 repair solution.

Certified Technical Specialists
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