State Electric Supply Company provides a complete product and services offering for all industrial applications. We are a full-line Electrical, Datacom, Power Transmission, and Utility distributor, and we can supply your product needs to maintain, modernize and optimize your plant wide facilities and equipment.

Applications

Industrial Automation  Controls and Panel Building  Motors, Gears and Bearings  Industrial Networks  Facility Lighting

Products


Authorized Distributor

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 stateelectric.com
Training
We offer several Industrial Automation training classes. These classes are conducted in our Roanoke training facility, or at your facility. Contact your local branch location for course dates.

Arc Flash Awareness

**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

**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 Solid 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

**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, Common Mode Current, Motor Bearings
- VFD Line Reactors, Filters, Cable, Sine Filters
- Basic Motor Operational Topics

VFD Programming

**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

**Agenda**
- PLC Theory
- PLC Layout
- PLC Wiring
- PLC Basic Programming
- PLC Troubleshooting
- PLC Program Documentation
Industrial Solution Technical Specialists
We have Technical Specialists on staff to assist you with applications of Drives, PLC’s, HMI’s, control systems, instrumentation, industrial networks, motors, bearings, gears, repair services and system wide troubleshooting.

Contact a Location Nearest You

Christiansburg
390 Arbor Drive
Christiansburg, VA 24073
540.382.6415

Covington
348 North Monroe Avenue
Covington, VA 24426
540.965.5200

Roanoke
3105 Shenandoah Ave., NW
Roanoke, VA 24017
540.343.3800

Wytheville
225 North 11th Street
Wytheville, VA 24382
276.228.3191