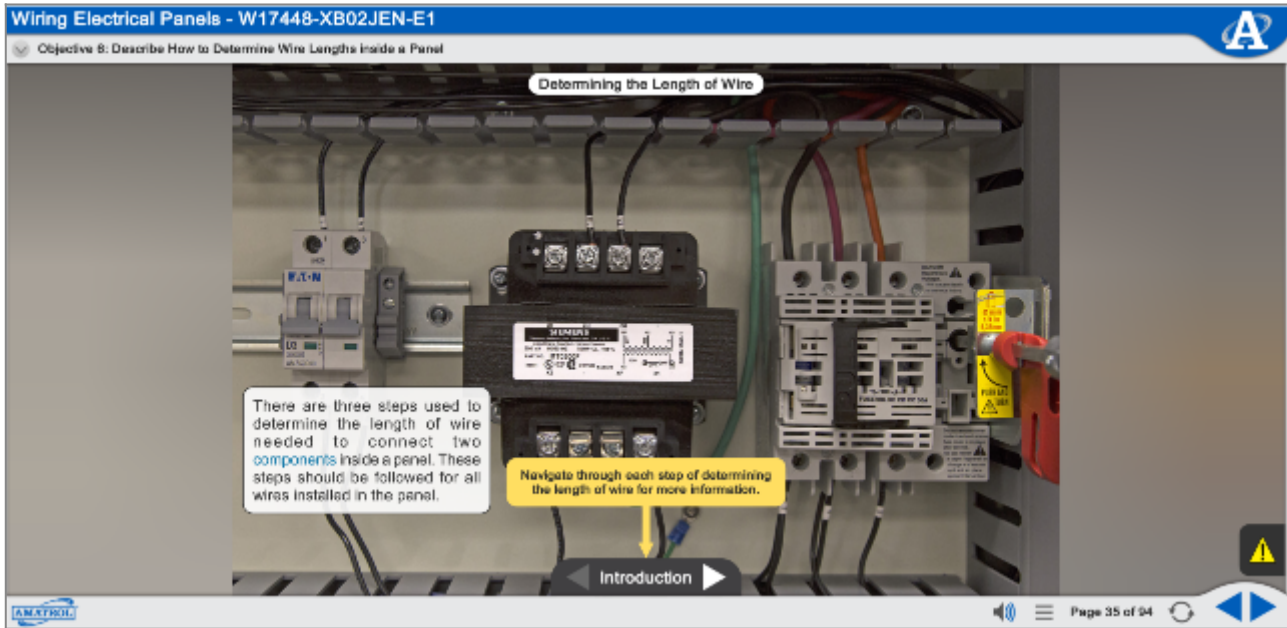


# Electrical Wiring Training | eLearning Course



## eLearning Course: M17448

Amatrol's Multimedia Courseware - Electrical Wiring (M17448) teaches learners essential electrical wiring concepts applicable throughout modern industry. Installing, operating, repairing, and designing equipment for modern industry requires fundamental knowledge of electrical wiring and components. Learners using Amatrol's electrical wiring eLearning course study and practice electrical wiring skills, such as: installing control wiring in an electrical panel; installing wiring into limit switches, solenoids, and pressure switches; and understanding the importance of correct wire size, material, and insulation.

## In-Depth Electrical Wiring Curriculum

### **Comprehensive Electrical Wiring Curriculum Connected to Real-World Skills**

Amatrol's electrical wiring eLearning course covers important topics, such as:

#### **Introduction to Electrical Control Wiring**

Learners begin with an introduction to electrical control wiring, including electrical prints and panels, panel wiring fundamentals, and sizing disconnects and overcurrent devices. Individual lessons focus on topics like ladder diagrams, wire numbers and colors, and circuit protection devices. Learners will also practice skills, such as interpreting an electrical print, installing a terminal block in an electrical panel, and installing and testing a circuit breaker in an electrical panel.

#### **Wiring Electrical Panels**

Learners will study how to wire electrical panels, including grounding control systems, internal panel wiring, wire bundling, and wiring a motor. Individual lessons focus on topics like electrical grounding circuits, common methods of wire bundling, and how to connect a motor to a control panel. Learners will also practice skills, such as installing a grounding circuit for an electrical control system, installing an electric motor circuit using an electrical print, and splicing and taping motor leads using ring lug connectors.

#### **Pneumatic Control Circuit Wiring**

Learners using Amatrol's electrical wiring eLearning course will study basic principles of pneumatic control circuit wiring, including electro-pneumatic valves, pneumatic schematics, and electro-pneumatic system installation. Individual lessons focus on topics like pressure gauges and regulators, pneumatic cylinders and directional control valves, and electro-pneumatic power diagrams. Learners will also practice skills, such as manually operating an electro-pneumatic valve, interpreting an electro-pneumatic power diagram, and connecting and operating a pneumatic control circuit given an electrical print.

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## Interactive eLearning with Learning Management System

### Highly-Interactive Multimedia Format Appeals to All Learning Styles

Amatrol's electrical wiring eLearning course features interactive eLearning curriculum that integrates various types of learning methods to create an engaging, effective learning experience. Amatrol's multimedia [eLearning](#) curriculum includes text with voiceovers, videos, 3D animations, pictures, and interactive activities, quizzes, and self-reviews.

### Free Learning Management System (LMS)

Amatrol eLearning is easy-to-use for both students and instructors. Its web-based interface is simple to navigate and available on any WebGL-compatible Internet browser. Instructors love Amatrol eLearning for its simple, yet sophisticated Learning Management System (LMS). The LMS allows instructors to create custom courses, monitor student participation, track course progress, assess knowledge levels prior to a course, and test knowledge levels after completion. Learners appreciate the fact that they can start and stop as needed, moving through each Amatrol course at their own pace. If a self-review reveals that they didn't understand a particular topic as well as they thought they did, they can revisit it before moving on.

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## Additional Info



### Requires:

- Computer (see [Computer Requirements](#))

### Options:

- Electrical Wiring Learning System (850-MT6B)

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### Address

Amatrol  
2400 Centennial Blvd  
Jeffersonville, IN 47130

### Contacts

email: [contact@amatrol.com](mailto:contact@amatrol.com)  
phone: (800) 264 8285