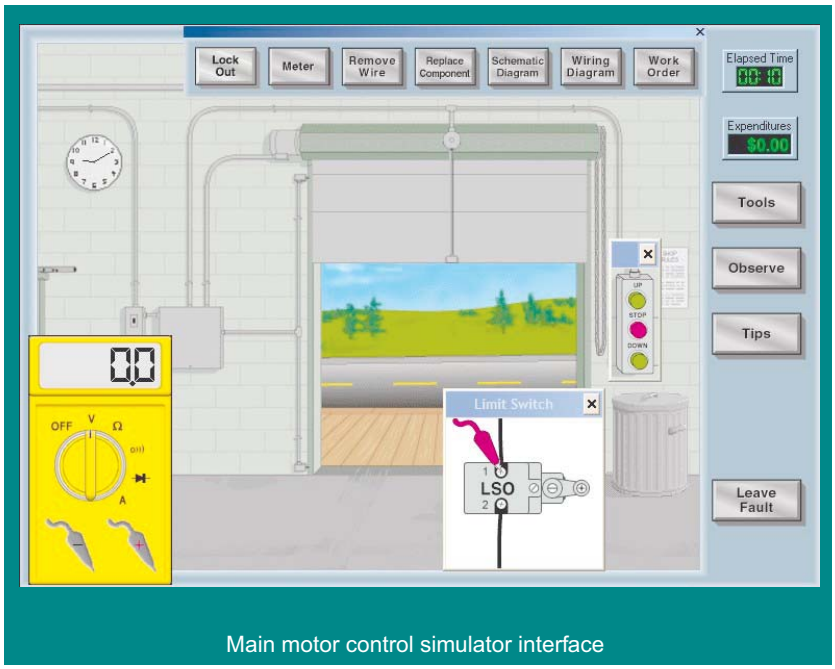
Troubleshooting
MOTOR CONTROLS

Improve your Troubleshooting Skills with this award-winning, simulation based, training program. Learn new troubleshooting techniques and improve your Troubleshooting Skill by troubleshooting dozens of faults on this Motor Control Circuit Simulator.

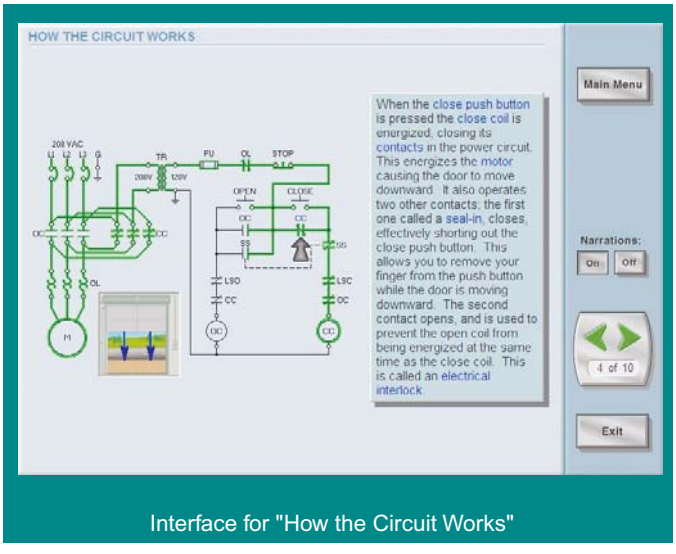
This simulator consists of a three phase 208V AC supply and a 120 volt control circuit which operates a commercial garage door. This full voltage start, reversing motor control circuit includes contactors, electrical interlocks, limit switches and other components including a supply which can be “locked-out” to reinforce safe work practices.

While using this program, you are able to perform virtually every operation used on real equipment. For example you can:

- Operate the garage door electrically and manually
- Take voltage, resistance and current readings
- Open connections
- Repair faults by replacing components and wiring
- Using the observation feature, you can even check for visual or other clues as to the cause of the fault.



Main motor control simulator interface



Interface for "How the Circuit Works"

Features

- 28 faults to solve with four levels of difficulty
- More faults can be added with Fault Packs
- Use an expert’s guidance to coach you through the troubleshooting process on three sample faults
- Receive tips when you are really stuck!
- Evaluate your troubleshooting skill in terms of time and money spent to solve the fault
- Improve your Troubleshooting approach with several levels of feedback
- Provides the necessary practice to allow you to hone your troubleshooting skills
- The program can optionally determine your troubleshooting score
- Receive a Certificate of Completion when you have successfully completed all the faults

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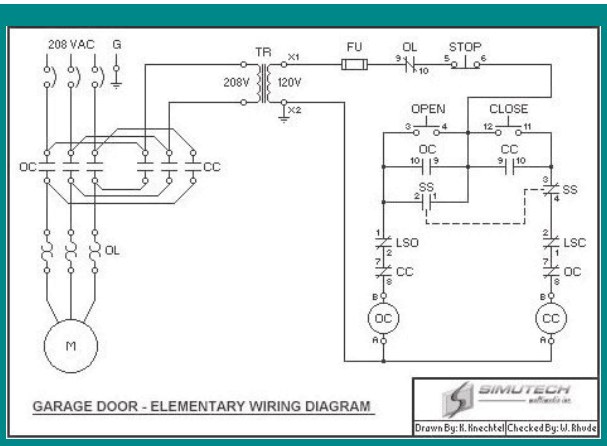
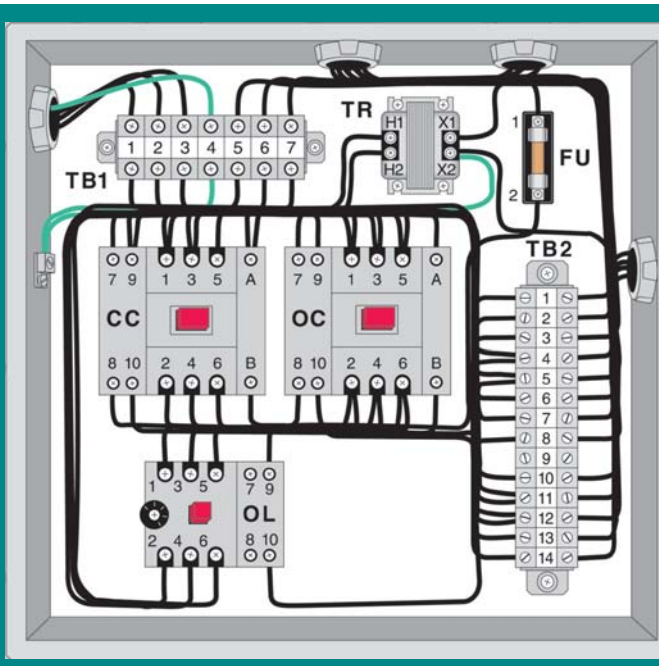
Who Can Benefit

Anyone with some electrical background can benefit from this program. College students and apprentices alike, find this program increases both their knowledge and confidence when troubleshooting electrical circuits.

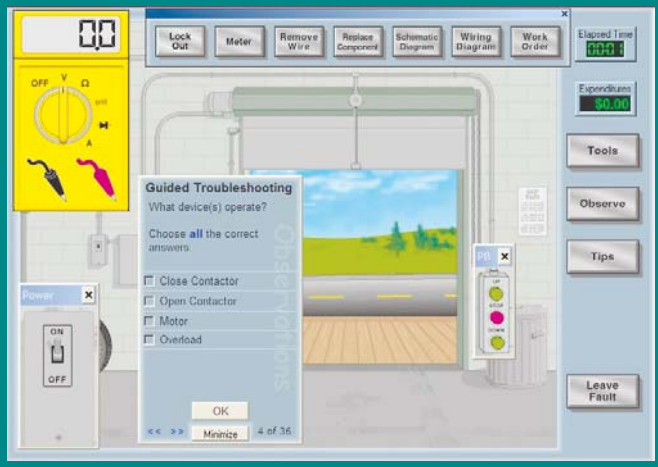
Seasoned Electrical and Maintenance personnel also benefit by learning new techniques and having ample opportunity to practice and hone their troubleshooting skills resulting in reduced repair costs and downtime of equipment.



Circuit Schematic



Interior of electrical cabinet showing components



Coaching step by step through the troubleshooting process