

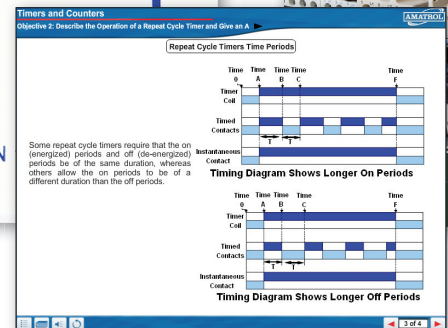
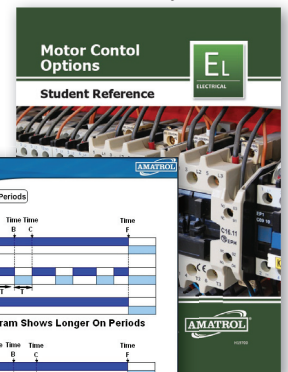
Electronic Counter Learning System

85-MT5-E



85-MT5-E

Student Reference Guide



Optional Interactive Multimedia

Learning Topics:

- One-Shot Timer Operation
- Troubleshoot One-Shot Timers
- Design One-Shot Motor Control Circuits
- Repeat Cycle Timer Operation
- Connect a Repeat Cycle Time-Delay Relay
- Troubleshoot a Timed Repeat Cycle Motor Control Circuit
- Counters
- Counter Troubleshooting
- Design Counter Circuits
- Connect and Operate Circuits
- Ladder Diagram Symbol

Amatrol's Electronic Counter Learning System (85-MT5-E) adds to the Motor Control Learning System (85-MT5) to teach electrical event counting in electrical motor control circuits. Electrical counters are used in a wide variety of applications including production counting, reject counting, sorting, and flow timing. The 85-MT5-E features a digital 3-digit electronic counter set within a heavy-duty, 11-gauge steel slide in panel built to stand up to frequent use.

This learning system also features world-class curriculum that covers counter and timer operation, designing circuits, and troubleshooting. Learners can then directly apply this theoretical knowledge to practice hands-on skills such as designing a timed one-shot motor control circuit, a timed repeat cycle motor control circuit, and a motor control circuit using the counter to tally operations. Learners can also practice troubleshooting a timed one-shot motor control circuit and a timed repeat cycle motor control circuit.



Technical Data

Complete technical specifications available upon request.

Electronic Counter Station

Pre-Wired and Terminated to Banana Jacks
Digital 3-Digit Display
Slide-In Panel, 11-Gauge Steel
Ground Jumper Lead, Green, 24"
Student Curriculum (B17405)
Instructor's Guide (C17405)
Optional Multimedia (M17405)
Student Reference Guide (H19700)

Additional Requirements:

Motor Control Learning System (85-MT5)
Optional Multimedia Requires Computer
Requirements: <http://www.amatrol.com/support/computer-requirements>

Utilities:

Power supplied by 85-MT5

Heavy Duty Equipment for Heavy Use

The 85-MT5-E includes a digital 3-digit counter with totalizing, double pole double throw (DPDT) relay, and manual reset. Amatrol uses heavy-duty, industry-standard components to help learners better prepare for what they will encounter on the job and to withstand frequent, repeated use. The 85-MT5-E features a slide-in, 11-gauge steel panel that's pre-wired and terminated to banana jacks.

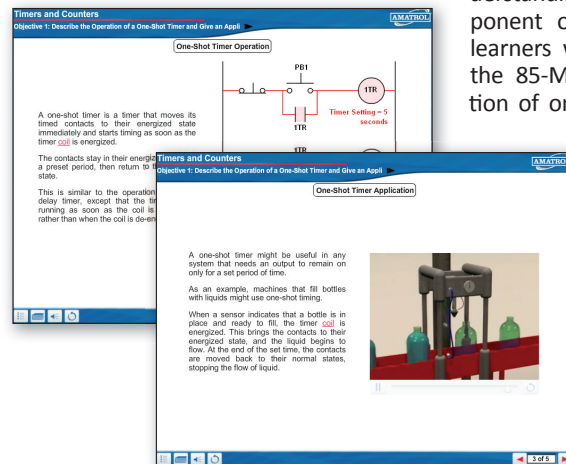
Once learners grasp the theory of electronic counter operation, Amatrol allows them to put that knowledge into direct action through hands-on skill building. The 85-MT5-E, in combination with the Motor Control Learning System (85-MT5), is used to practice a variety of electronic counter skills like connecting / operating a one-shot timer, repeat cycle timer, and up counter, as well as troubleshooting a timed one-shot motor control circuit and a timed repeat cycle motor control circuit.



85-MT5-E

In-Depth Curriculum for Electronic Counter Knowledge

Amatrol's Electronic Counter curriculum features in-depth theoretical knowledge that helps learners understand the "Why?" behind the concepts and applications of counters. This depth of understanding enhances the comprehension of component operation and troubleshooting because learners walk through entire circuits. Specifically, the 85-MT5-E covers the operation and application of one-shot timers, repeat cycle timers, and counters; the function of two types of counters and applications of each, and the operation of an up counter and a down counter and the ladder diagram symbol for each. In addition to Amatrol's standard curriculum, the 85-MT5-E also features optional interactive multimedia. This multimedia is loaded with 3D graphics, audio, and interactions to fully engage the learner and increase their comprehension of electronic counter topics by using multiple learning styles.



Optional Interactive Multimedia

Student Reference Guide

A sample copy of the Motor Control Options Student Reference Guide is also included with the system for your evaluation. Sourced from the system's multimedia curriculum, the Student Reference Guide takes the entire series' technical content contained in the learning objectives and combines them into one perfect-bound book. Student Reference Guides supplement this course by providing a condensed, inexpensive reference tool that learners will find invaluable once they finish their training making it the perfect course takeaway.

