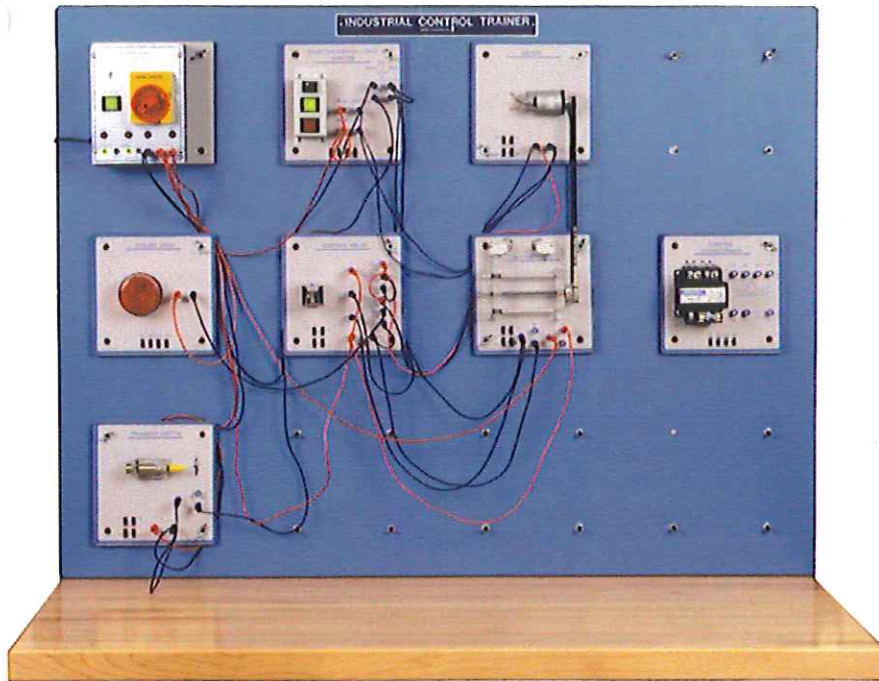


Basic Industrial Controls (model 241S)



ECI's Basic Industrial Controls Trainer is designed to teach the principles, operation and applications of industrial electronic control circuits. This turnkey system includes excellent courseware, training panel, and all the component modules and accessories needed for the instructional program. The Basic Industrial Controls trainer can be expanded, and will easily interface with the Basic Programmable Controls trainer. With hands-on learning students develop competence and effective troubleshooting techniques, which they can transfer to the job site.

Trainer Modules

The modules are designed to make circuit building quick and convenient. A lead set with stackable jacks simplifies circuit construction.

Fault Insertion

Each module includes four fault switches. The faults represent typical failures allowing students to develop abilities to troubleshoot and isolate system failures.



241 Trainer Modules

- 24V AC/DC Power Supply
- Start/Stop Pushbutton Station
- Three-Unit Pushbutton Station
- Selector Switch/Light Station
- Limit Switch
- Proximity Switch
- Strobe Light
- DC Motor
- Control Relay
- Solid-State Relay
- Contactor
- Overload Relay
- Control Transformer

Training Panel

Nonconductive 48" x 36" surface with permanently mounted studs provides fast, easy wing-nut mounting for complex industrial control layouts. Panel mounts directly to a wall, an optional roll-around storage cabinet, or on the optional adjustable rail system with 48" x 24" maple top as shown.

Training System Hardware

Each Training System contains a complete set of industrial modules to construct circuits in the experiments and design challenges. Modules are easily incorporated with other trainers for a more in-depth study. All components are mounted on a heavy-duty board that are predrilled to panel stud centers.

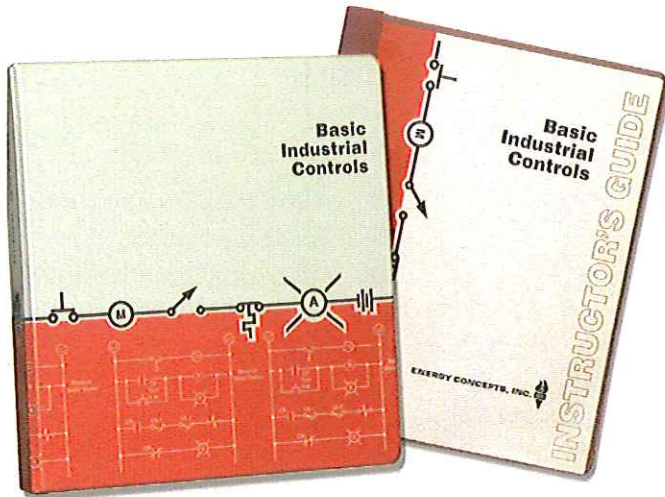
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COURSEWARE

ECI's competency-based courseware is presented in an easy-to-read, two color format that includes professional illustrations, charts, tables, and photos.

The comprehensive instructor's guide offers tips and resources as well as answers to the questions and design challenges.

Basic Industrial Controls

- Electrical Safety
- System Familiarization
- Basic Logic Functions
- Electromechanical and Solid-State Relays
- Mechanical and Solid-State Switches

- Basic Control Circuits
- Transformers
- Contactors and Motor Starters
- Hard-wired Motor Control Circuits
- Troubleshooting Systems
- Glossary
- Index



Optional Storage Cabinet

The storage cabinet securely supports the training panel and provides an ideal working height. It has locking doors with industrial hinges, and holds up to 10 tote trays.

Additional industrial training packages available for system expansion:

- | | |
|---------------------------|-------------------------------|
| ● Electricity/Electronics | ● Fluid Power |
| ● Industrial Controls | ● Advanced Automated Controls |
| ● Industrial Motors | ● Robotic Systems |
| ● Industrial Sensors | ● Variable Frequency Drives |