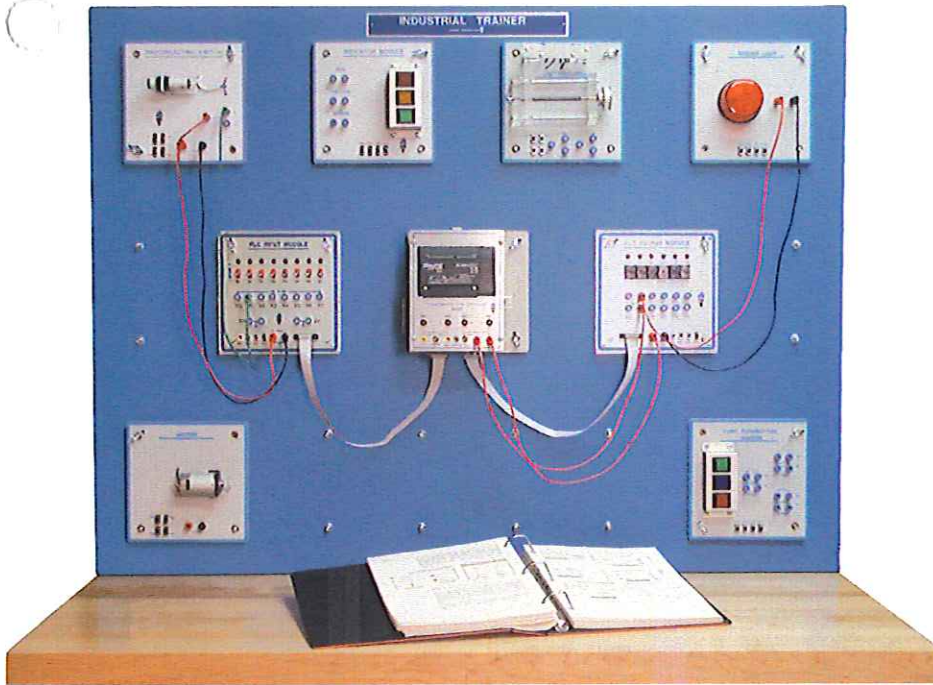


# Basic Programmable Controls (model 242S)



## 242 Trainer Modules

- Programmable Logic Controller
- PLC Input Module
- PLC Output Module
- Photoelectric Module
- Indicator Module/Stoplight
- Three-Unit Pushbutton Station
- DC Motors (2)
- Strobe Light
- Limit Switch

## 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.

ECL's Basic Programmable Controls Trainer is designed to teach the principles, operation and applications of basic industrial PLC's. This turnkey system includes excellent courseware, training panel, and all the component modules and accessories needed for the instructional program. The Basic Programmable Controls trainer is available as a stand-alone system or as an add-on package to the Basic Industrial Controls trainer. With hands-on learning students develop competence and effective troubleshooting techniques, which they can transfer to the job site.

## Direct Logic Programmable Logic Controller

This full-featured programmable logic controller includes 8 inputs and 6 outputs. Each input and output includes a status indicator. Status LEDs are also included to indicate the operating condition of the power supply and CPU.



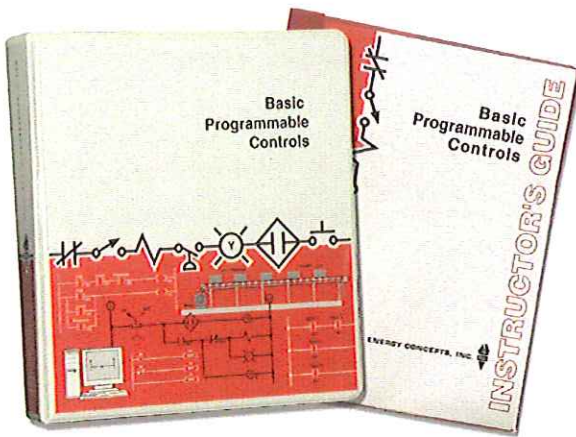
## Training System Hardware

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.

## Programming Software

This full-featured programming package provides easy-to-use editors and documentation features for creating ladder logic programs. Multiple program views and element documentation features help you understand and match your process. Establishing a link is effortless with the built-in communications wizards.





## 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 Programmable Controls

- System Familiarization
- Developing and Testing a Program
- Programming Circuit Logic
- Advanced Circuit Logic
- Programming On-Delay PLC Timers
- PLC Sequencing Applications

- Programming Counter Functions
- Special Programming Functions and Applications
- Circuit Monitoring and Troubleshooting
- PLC Applications
- Glossary
- Index

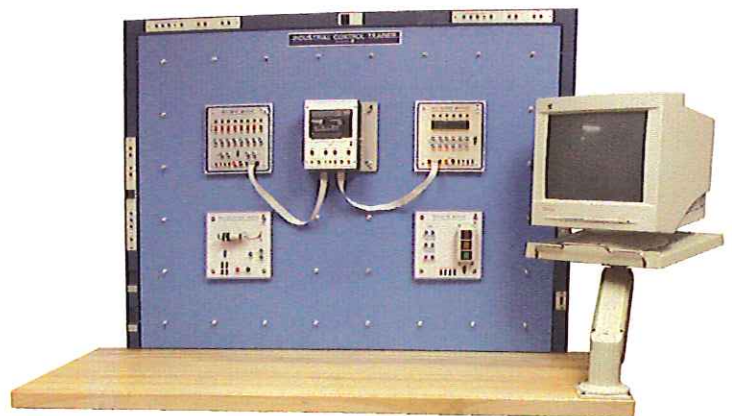
### Optional Storage Cabinet

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.



### Options

The workstation below is shown with optional monitor arm and power channel on training panel. The monitor arm with keyboard holder allows you to maximize the work space and position the monitor for best viewing. It is mounted securely to the maple top.



### 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   |

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