

# Programmable Logic Trainer Series

Educational Training Equipment for the 21st Century

Bulletin 295A

## H-PLC-SEI

### Simulator External Interface Module

### Purpose

The Hampden **Model H-PLC-SEI** Simulator/External Interface Module mounted on a common steel frame provides the student with a means of actions and feedbacks to the PLC ladder sequences that can be programmed using programmable logic controllers.

The student is provided with hands-on experience when using a PLC on interconnection wiring; general programming information; ladder diagram programming; programming trainers, counters, timers; self-diagnostic function, and power failure protection.

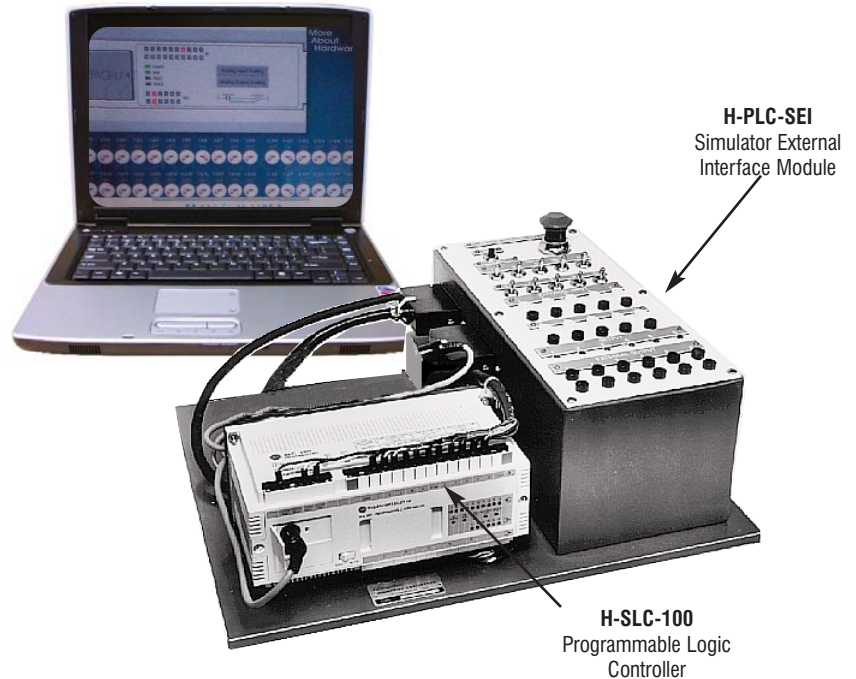
Switches provide input conditions to the PLC; lamps provide the output status. In addition, an Emergency Disconnect is provided for real-world control mock-ups.

### Description

The Hampden **Model H-PLC-SEI** Simulator/External Interface Module consists of an enclosure for flush or surface mounting. Mounted on the panel are ten (10) switches and ten (10) sets of two (2) Hampden HR-1S socket receptacles for input simulation or external input interfaces wired to an S-415-AB receptacle. Also provided are six (6) pilot lights for simulated outputs wired to an S-412-AB receptacle. Six (6) sets of two (2) Hampden HR-1S socket receptacles for external outputs are wired to an S-412-AB receptacle.

The Emergency Disconnect consists of one mushroom-head red emergency pushbutton, one ON/RESET pushbutton, and one internal relay assembly.

Also provided is one P-415-CCT plug with interface cable and one P-412-CCT plug with interface cable wired directly to the input and output terminals of the controller.



**MODEL H-PLC-SEI-100 shown with optional H-SLC-100 Controller and H-LTCS Laptop Computer**  
Dimensions: 6" H x 20" W x 16" D  
Shipping Weight: 50 lbs.

### Options

The **H-PLC-SEI** is available for use with various programmable controllers such as:

**H-SLC-100 with H-LTCS Laptop Computer**  
(When ordering specify **H-PLC-SEI-100**)

**H-SLC-150 with H-LTCS Laptop Computer**  
(When ordering specify **H-PLC-SEI-150**)

**H-SLC-500 with H-LTCS Laptop Computer**  
(When ordering specify **H-PLC-SEI-500**)

**H-ML-1000 with H-LTCS Laptop Computer**  
(When ordering specify **H-PLC-ML1000**)

### Operations Manual

This unit comes complete with student manual.

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All Hampden units are available for operation at any voltage or frequency

**Hampden**  
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# Programmable Logic Trainer Series

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Bulletin 295-1A

## H-PLC-PP Peripheral Panel

### Purpose

The Hampden **Model H-PLC-PP** Peripheral Panel provides input and output devices for use with the Hampden series of Programmable Logic Controllers.

### Description

This unit consists of a steel mounting frame with feet and a steel equipment panel. Mounted on the equipment panel are the following:

- 1 Electromagnetic circuit protector 15 ampere, with neon pilot indicator
- 1 Duplex receptacle, 15 ampere
- 1 Emergency disconnect relay with reset switch
- 1 Switch, debounced
- 4 Switches, input toggle
- 4 Pushbuttons, N.O. or N.C., Forward, Reverse, Stop & Blank
- 4 Lamps, 1Ø AC
- 4 Solenoids, 1Ø AC, pull type
- 1 Thermostat
- 2 Relays, control, 4-pole, N.O. or N.C.
- 1 Power supply, 5V @ 1.5A DC
- 1 Motor, AC/DC Universal Series
- 1 Horn, 5V DC
- 1 Lead screw training device complete with reversible gear motor, three positioning switches and two limit switches
- 1 Experimentation section consisting of a solderless breadboard
- 1 Interconnection cord set (50)

The above components terminate to terminal strips for connection to the customer's Programmable Logic Controller Trainer.

All nomenclature is silkscreened in KEM black enamel.



**MODEL H-PLC-PP Peripheral Panel**  
Dimensions: 9½" H x 26½" W x 22½" D  
Shipping Weight: 60 lbs.

### Options

The **H-PLC-PP** is available for use with various programmable controllers such as:

**H-SLC-100 with H-LTCS Laptop Computer**  
(When ordering specify **H-PLC-PP-100**)

**H-SLC-150 with H-LTCS Laptop Computer**  
(When ordering specify **H-PLC-PP-150**)

**H-SLC-500 with H-LTCS Laptop Computer**  
(When ordering specify **H-PLC-PP-500**)

**H-ML-1000 with H-LTCS Laptop Computer**  
(When ordering specify **H-PLC-ML1000**)

### Input Voltage

1Ø AC 50/60Hz via 3/c 6 ft. power cord

### Operations Manual

This unit comes complete with student manual.

All Hampden units are available for operation at any voltage or frequency

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