

## Hampden H-PCT-1 Pneumatic Controls Trainer

### Purpose

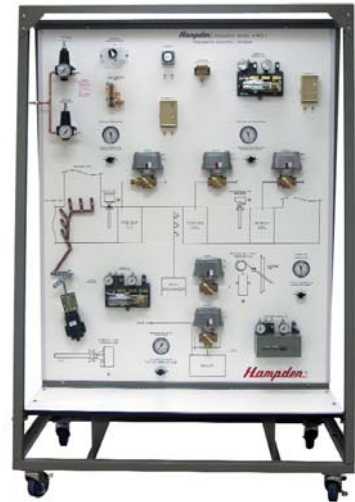
To aid students in learning the operation and maintenance of commercial pneumatically-controlled heating/cooling systems.

### Description

The Hampden **Model H-PCT-1** Pneumatic Controls Trainer contains standard commercial control components of comfort conditioning systems of the type found in many industrial or institutional buildings. The totally pneumatic trainer includes thermostats, a humidistat, relays, switches, temperature transmitters, controllers, and pneumatic actuators for valves and the damper.

By interconnecting the various components with flexible tubing, students are able to assemble actual control systems for simulated heating, humidifying, ventilating and/or cooling applications. Thus, they learn the principles of comfort conditioning as well as the principles of pneumatic controls.

Also available for bench top mounting.



**MODEL H-PCT-1**  
Dimensions: 76"H x 51"W x 31"D  
Shipping Weight: 375 lbs

## H-EHF-1 Electric Heat Furnace Control System

### Purpose

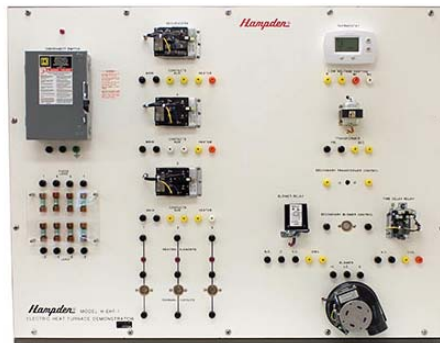
The Hampden **Model H-EHF-1** contains the actual components used in the control of commercial and residential electric furnaces. With it the student gains experience in designing, wiring, checking out, and troubleshooting electric furnace control systems.

### Description

All of the control components are mounted on the face of the Hampden Electric Heat Furnace Control System Trainer, where their wiring terminates at heavy-duty binding posts. Students use banana-plug leads to interconnect the components into an operating electric furnace control system.

Included are the following:

- Double-pole, single throw disconnect switch
- Fuses protecting line voltage components
- Sequencers



**MODEL H-EHF-1** Enclosed in steel cabinet, 36"H x 48"W x 7"D  
Designed for mounting on mobile frame(included)  
Shipping Weight: 300 lbs.

- Thermal contacts
- Thermostat
- Transformer with secondary protection
- Two-speed blower with secondary blower control
- Time delay and blower relays

Power input is 1Ø AC, 60Hz supplied through a grounding type power cord. Furnished complete

with interconnecting cords and instruction manual.

Twenty-two fault switches, located behind a lockable door create open or shorted conditions. This allows the students to gain real-world troubleshooting experience.

Faults may be inserted into electric furnace control systems by these fault switches.



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

**Hampden**  
ENGINEERING CORPORATION