

# Environmental Systems Trainer

Educational Training Equipment for the 21st Century

Bulletin 234L



**H-DSCT-1A**  
**Dual Speed**  
**Compressor Trainer**

The Hampden **MODEL H-DSCT-1A** facilitates the study and troubleshooting of the electrical and control circuits of a three-phase, dual-speed hermetic compressor. Standard commercial components are wired into an operating electrical control system, while the compressor is simulated with pilot lights and sound. Up to 16 malfunctions may be inserted via the fault switches mounted on the side of the trainer. Input power is single-phase AC. Three-phase power to operate the trainer is obtained from a built-in converter.

Dimensions: 36"H x 36"W x 13"D.  
Shipping weight: 260 lbs.



**H-EHST-1B**  
**Electric Heat**  
**Service Trainer**

The Hampden **MODEL H-EHST-1B** facilitates the study and troubleshooting of the electrical and control circuits of an electric heat furnace. Standard commercial components are wired into an operating electrical control system, while the heaters and blower are simulated by pilot lights and resistors. Up to 34 malfunctions may be inserted via the fault switches mounted on the side of the trainer. Power input is single-phase AC. The 240V for the simulated heaters is obtained from a step-up transformer.

Dimensions: 36"H x 36"W x 13"D.  
Shipping weight: 260 lbs.



**H-SZCT-2**  
**Single Zone Control**  
**System Trainer**

The Hampden **MODEL H-SZCT-2** contains all of the control components of a roof top, two-stage, heating/cooling commercial air conditioning system including outside air damper control, heating setup and cooling setup, temperature and CO<sub>2</sub> sensor, transformers, a programmable thermostat, and control relays. Students wire these components with patch cords into a fully operational system. Fault switches mounted on the side of the trainer permit the instructor to insert up to 16 malfunctions.

Dimensions: 36"H x 36"W x 13"D.  
Shipping weight: 260 lbs.

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



**Hampden**  
ENGINEERING CORPORATION

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