

# Heat Pump Control Trainers

Educational Training Equipment for the 21st Century

Bulletin 228-2A

## H-HPT-2 Advanced Heat Pump Control Trainer

### Purpose

The Hampden **MODEL H-HPT-2** Advanced Heat Pump Control Trainer is designed to facilitate instruction in the understanding and troubleshooting of the electrical controls of a heat pump system. It makes use of actual "live" components wired into an operating electrical controls system. The compressor and heaters are simulated by means of indicator lights.

### Description

All components are mounted on a self-supporting, wood core white melamine covered panel. The electrical circuit legends and a diagram of the refrigerant system are silkscreened in black on the panel face.

Components are wired to insulated five-way binding posts so that they can be easily disconnected for testing. An enameled steel enclosure on the rear provides mounting for an input circuit breaker and twenty-five fault injection switches.

Furnished complete with interconnecting cords.



Hampden **MODEL H-HPT-2** Advanced Heat Pump Control Trainer  
Dimensions: 45"H x 48"W x 20-1/2"D  
Shipping Weight: 160 LBS.

### Specifications

- Fused Main Disconnect Switch
- Compressor Contactor
- Capacitor
- Low Pressure Switch
- Heater Relay with Circuit Board (2)
- Heater Overloads (3)
- Defrost Sensor
- Defrost Circuit Board
- Variable Speed Blower
- Static Pressure Regulating Damper
- Low Voltage Heat Pump Control Transformer
- Thermostat
- Four-Way Reversing Valve
- High Pressure Switch
- Fan Control
- Programmable Heat Pump Thermostat
- RTD Element
- Magnehelic Gauge 0-3" H<sub>2</sub>O (2)

### Services Required

Operating voltage is 240 volts AC from an input of 120 volts AC.

**NOTE:** To have unit mounted on a mobile "A" frame stand, add the suffix MCI-1000 (**H-HPT-2-MCI-1000**)



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

**Hampden**  
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