

Heat Pump Control Trainers

Educational Training Equipment for the 21st Century

Bulletin 228-2B

H-HPT-2A Advanced Heat Pump Control Trainer

Purpose

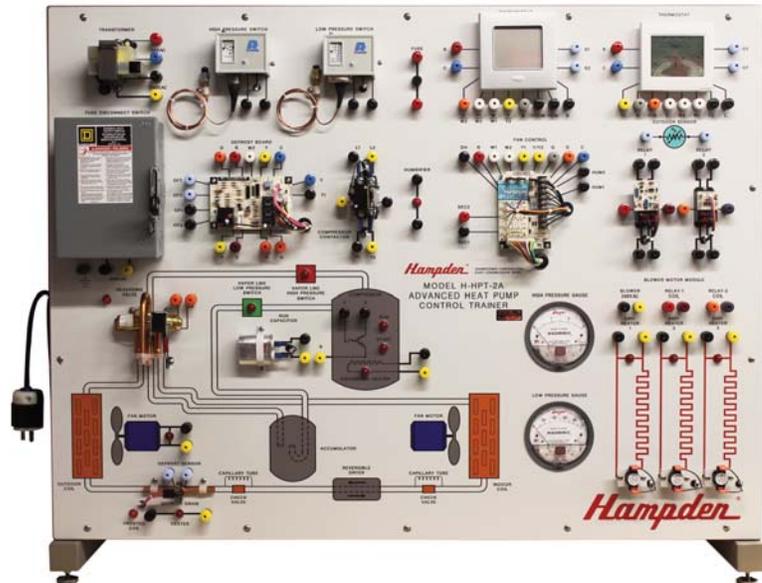
The Hampden **MODEL H-HPT-2A** Advanced Heat Pump Control Trainer is designed to facilitate instruction in the understanding and troubleshooting of the electrical controls of a heat pump system. It makes use of actual “live” components wired into an operating electrical controls system. The compressor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

Description

All components are mounted on a self-supporting, steel 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-2A** Advanced Heat Pump Control Trainer
Dimensions: 39”H x 48-1/2”W x 27”D
Shipping Weight: 160 LBS.

Specifications

- Fused Main Disconnect Switch
- Compressor Contactor
- Capacitor
- Low Pressure Switch
- Heater Relay with Circuit Board (2)
- Heater Overloads (2)
- 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” H₂O (2)

Services Required

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

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

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



Hampden
ENGINEERING CORPORATION

020824