

# Furnace Controls Trainers

Educational Training Equipment for the 21st Century

Bulletin 229K

## H-OBF-2B

### Oil Burner Furnace Control Demonstrator



#### MODEL H-OBF-2B

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

The Hampden **Model H-OBF-2B** Oil Burner Furnace Control Demonstrator provides students with experience in connecting and operating two standard residential oil-fired furnace control systems for both winter heating and summer cooling. It contains all the standard control components used with isolated heating/cooling systems of the cadmium sulfide flame sensing relay type oil-fired furnaces. Pilot lamps indicate the operation of the simulated air conditioning contactor, the oil burner, and the blower motor. Input power is 120V AC 1Ø 60Hz through a power cord and fused disconnect switch. All AC supply circuits are prewired. Students connect the low voltage circuits via the supplied patch cords between Hampden **HR-1S** socket receptacles

To order this unit for mounting on a Mobile Frame stand, specify mobile frame.

## H-GC-2A

### Gas Controls Trainer

The Hampden **Model H-GC-2A** Gas Controls Trainer provides students with experience in connecting and operating three standard residential gas-fired furnace control systems for both winter heating and summer cooling. It contains all the standard control components for the following three types of systems: (1) single-function gas valve and pilotstat switch, (2) combination gas control valve system, (3) powerpile system. Pilot lamps indicate the operation of a simulated furnace blower and air conditioning compressor. Input power is 120V AC 1Ø 60Hz through a power cord and fused disconnect switch. All AC supply circuits are prewired. Students connect the low-voltage circuits via the supplied patch cords between Hampden **HR-1S** socket receptacles. A propane torch (not supplied) may be used as a heat source for automatic thermostat operation.

To order this unit for mounting on a Mobile Frame specify mobile frame.



#### MODEL H-GC-2A

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

## H-EHF-2A

### Electric Heat Furnace Demonstrator



#### MODEL H-EHF-2A

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

The Hampden **Model H-EHF-2A** Electric Heat Furnace Demonstrator provides students with experience in connecting and operating an electric heat furnace of the type found in residential dwellings and commercial establishments. It contains all the standard control components used with an electric heat furnace. Pilot lamps indicate the operation of simulated resistance heaters and blower motor. Input power is 120V AC 1Ø 60Hz through a power cord and fused disconnect switch. All AC supply circuits are prewired. Students connect the low-voltage circuits via the supplied patch cords between Hampden **HR-1S** socket receptacles. When properly connected, the system functions to sequence resistance heaters on and off and to operate the blower either manually or automatically, as in an actual installation.

To order this unit for mounting on a Mobile Frame specify mobile frame.

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



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