

## H-IMD-1A Ice Machine Demonstrator

### Purpose

The Hampden Educational **Model H-IMD-1A** Ice Machine Demonstrator demonstrates the principles, mechanics, and maintenance aspects of commercial ice machine systems.

### Description

The unit consists of three sections: the ice cube machine, bin, and the control panel with six electrical and four mechanical programmable faults. The ice cube machine has an efficient vertical plate design with positive release harvest assist. The foamed-in-place polyurethane insulated head and fan pressure control maintains proper gas temperature to maximize freezing and harvest cycles. The bin provides support and ice storage for the ice cube machine and is modified with casters for easy mobility. The control panel incorporates the educational modification including: electrical and refrigeration schematics, freeze cycle LED's and harvest cycle LED's, designed to assist the instructor in the operation and maintenance of the ice cube machine. The **H-IMD-1A** can produce 200 pounds of ice per hour at 70°F air and 50°F water. Complete operating instructions are included.

### Requirements

Owner-provided electrical, water, and drain hookups.

Power Required: 115V 1Ø 60Hz



**MODEL H-IMD-1A**

Dimensions: 59"H x 30-1/8"W x 28"D

Shipping Weight: 320 lbs.

## H-PRD-1 Potential Relay Demonstrator



Dimensions: 7½"H x 19"W x 8½"D  
Shipping weight: 40 lbs.

The Hampden **Model H-PRD-1** demonstrates the function of a potential relay in the starting of a 240V compressor. A potentiometer is used to simulate the increasing speed of the motor during start-up. Pilot lights indicate when the start and run windings and the start and run capacitors are energized. Lamp brightness varies during the start period to simulate voltage variation. Four test jacks permit realistic voltage measurements at the potential relay. Input power is single-phase AC through a GFI circuit breaker.

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

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