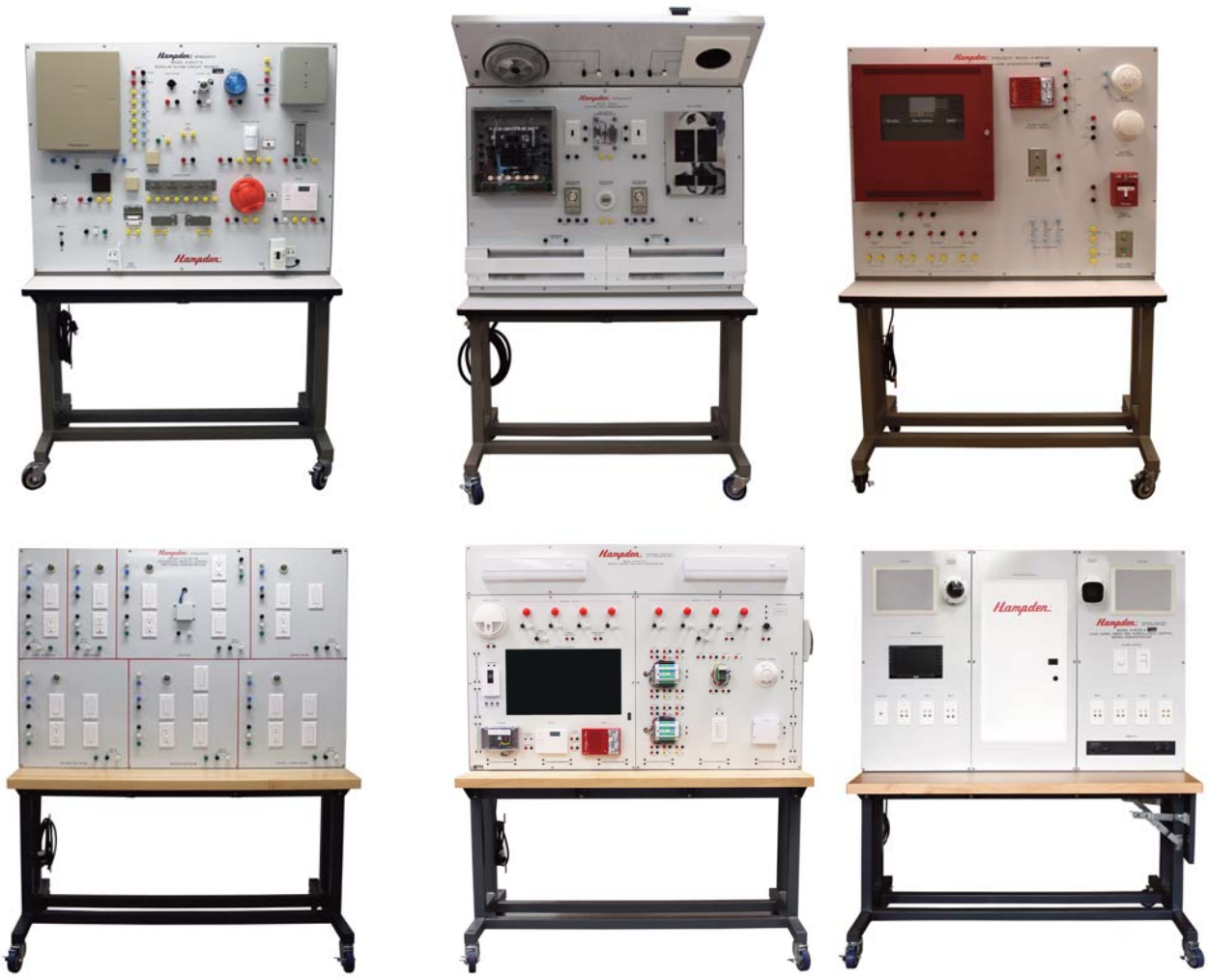
RESIDENTIAL/ COMMERCIAL/ELECTRICAL

SUPERVISORY PANEL SYSTEMS



ISO 9001:2015

Hampden® ENGINEERING CORPORATION

MADE IN U.S.A.

Hampden Engineering Corporation
SUPERVISORY PANEL SYSTEMS

Design, Connect, and Troubleshoot a Variety of Residential and Commercial Systems

Ideally Suited to Apprentice and Electrician Training Courses

Hampden Supervisory Panel Systems give students the opportunity to investigate supervisory type electrical systems. Students can design, connect, and troubleshoot a variety of systems using standard commercial components. These units are ideally suited to apprentice and electrician training courses.

Each system is mounted on a Mobile frame stand designed to conserve valuable laboratory space. Components terminate in Hampden heavy duty binding posts. Banana-plug cords are used for interconnections. Schematic wiring diagrams for student instruction are included with each system.



H-MFA-3C
Fire Alarm Demonstrator

Hampden's **Model H-MFA-3C** is a fully functioning fire alarm system which can be utilized to present the student with a variety of common installation and operational features. The trainer is a composite of basic equipment usually associated with residential and commercial layouts, including: Main Control Panel, Alarm Signal Device, Heat Detector, Smoke Detector, City Circuit Monitor, Pull Station, Remote Annunciator Panel, and Auxiliary Function Panel. The components are securely mounted on a demonstration board and carefully arranged to allow maximum accessibility to both instructor and student. All sections are clearly labeled for easy identification.



H-BACT-3
Burglar Alarm Circuits Trainer

Model H-BACT-3 contains all of the actual components found in standard residential and industrial security systems. The unit provides the student with experience in designing, wiring, checking out, and troubleshooting burglar alarm circuits.
All of the sensing, alarm, and control components are mounted on the face of the Hampden **Model H-BACT-3**, where their wiring terminates in heavy-duty binding posts. The student uses banana-plug leads (provided) to interconnect the components into operating security systems.



H-EH-2A
Electric Heat Demonstrator

Hampden **Model H-EH-2A** Electric Heating Demonstrator contains various types of electric heaters and control devices that might be found in either home or industry. The following individual components are provided: radiant ceiling lamp, radiant ceiling heater, radiant ceiling panel, forced air wall heater, radiant baseboard heater, low voltage transformer relay, low voltage thermostat and line voltage thermostat. These components allow for the application of electrical heating techniques of wiring, control, and operation of various types of electrical heating devices.

H-RCSD-2B
Residential Remote Control Switching Demonstrator

The Hampden **Model H-RCSD-2B** Residential Remote Control Switching Demonstrator provides a complete trainer showing a state-of-the-art home wiring system via programmed or manual remote control of lighting and appliances. The **Model H-RCSD-2B** is based on the Lutron 'Caseta Home Controls' using the various Caseta Smart Bridge Components designed to simulate a residential house wiring system including a complete comprehensive training program.

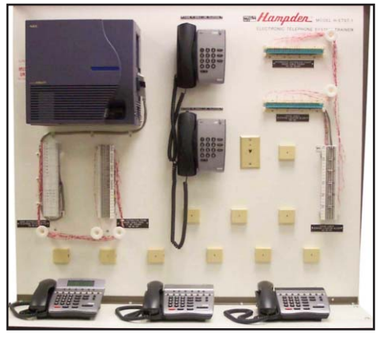


H-ETST-1
Electronic Telephone System Trainer

The Hampden **Model H-ETST-1** Electronic Telephone System Trainer was developed for student training and troubleshooting of state-of-the-art electronic telephone systems. This trainer permits the student to move from classroom theory to hands-on troubleshooting with current technologies.

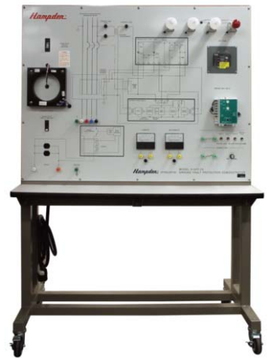
The **Model H-ETST-1** is provided with eight instructor switched faults located in a metal enclosure with locking access cover, and three non-switched faults.

Courseware is: *Telephone Repair Illustrated* by Stephen J. Bigelow which explores the fundamentals of signal transmission and switching and includes many examples and problems.



H-GFP-2A
Ground Fault Protection Demonstrator

The Hampden **Model H-GFP-2A** Ground Fault Protection Demonstrator is a fully functioning ground fault protection system that provides the student a model for examining some common installation and operational procedures. The system used on the **H-GFP-2A** represents different zones of protection demonstrating both single-phase (GFICB breaker) and three-phase (GFR shunt trip breaker) application.



H-MCP-3B
Clock Systems Demonstrator

Hampden **Model H-MCP-3B** Clock Demonstrator introduces the student to a variety of installation and operational features normally associated with an electronic master clock system. It is a complete fully functional clock system representative of the systems found in schools, hospitals, industrial and office applications. It features a synchronous indicating clock, minute impulse clock, AC vibrating bell, DC vibrating bell, AC single stroke chime, DC single stroke chime, AC remote buzzer and master time center.



H-EM-2D
Emergency Lighting Demonstrator

Hampden's **Model H-EM-2D** demonstrator is a fully functioning emergency lighting system compactly arranged to present the student with some of the most common installation and operational features. The trainer is a composite of basic equipment usually associated with commercial and industrial layouts and typical of those encountered by the service technician, including: load center, control console, nickel-cadmium battery, battery charger, distribution panel, remote control alarm, EXIT sign fixture, flood light and wall fixture. The **H-EM-2D** is capable of a number of configurations and is not strictly limited to the equipment supplied with the demonstrator.



Standard Products...Designed to Meet Your Growing Needs!

SUPERVISORY PANEL SYSTEMS

A Practical Means of Demonstrating HVAC Control & Wiring

H-RCSD-4 Home Audio, Video and Surveillance Control Wiring Demonstrator

The Hampden **Model H-RCSD-4** Home Audio, Video and Surveillance Control Wiring Demonstrator provides a complete trainer showing a state-of-the-art home wiring system.



The Hampden **Model H-RCSD-4** Home Audio, Video and Surveillance Control Wiring Demonstrator is based on Leviton® components and designed to simulate a modern high-tech residential wiring system. The system takes the student through the complete installation, from making connection to programming the controls. Instructor insertable faults are included to teach troubleshooting techniques and skills.

H-RCSD-3B Residential/Commercial Remote Control Switching Demonstrator

Model H-RCSD-3B Residential/Commercial Remote Control Switching Demonstrator provides a complete trainer showing a state-of-the-art building wiring system control of lighting and appliances via programmed or manual remote.

The **Model H-RCSD-3B** is based on the LonWorks Control System using the various Building Automation Components designed to simulate a residential/commercial wiring system, including a complete comprehensive training program. These devices freely exchange operating system information utilizing an internally accepted and Lon Mar Interoperability Association controlled open protocol.



H-MZBM-Series Multi-Zone Building Energy Management Trainers



The **H-MZBM-Series** Multi-Zone Building Energy Management Trainers provide a means for training students in the installation, operation, and troubleshooting of a variable air volume unit and a constant volume air handler.

The control system allows on-screen menu-prompting displays and operator responses. The controller is used to permit the operator to control every phase of the Energy Management process.

You may specify either **H-MZBM-T1C** with Honeywell Controls or **H-MZBM-J1** and **H-MZBM-J2** with Johnson Controls when ordering.



Hampden is committed to providing industry-leading technology.

For the latest from Hampden, visit our home page at http://www.hampden.com or e-mail us at sales@hampden.com

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