

UN-1213 Universal Gas Furnace Electrical Simulator

The Universal Gas Furnace Electrical Simulator is designed to teach students how modern furnace control boards interpret system inputs and outputs using a White-Rodgers Universal Control Board. By focusing on control board-based diagnostics, students learn to troubleshoot faults directly from the board rather than individual components, improving efficiency and accuracy. The simulator reinforces proper diagnostic logic by demonstrating how correct input signals generate expected outputs, helping students build a clear understanding of how control boards operate within real HVAC systems.

SPECIFICATIONS

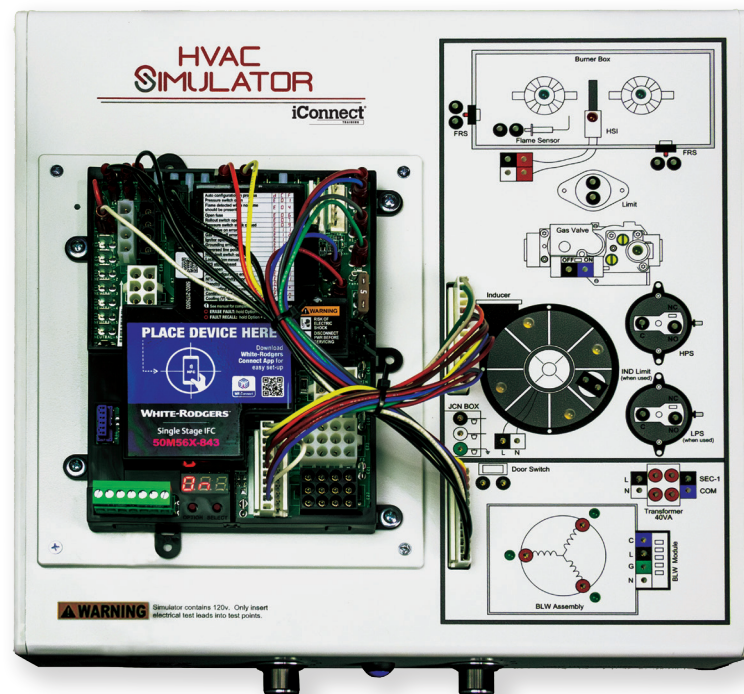
- Electrical Requirements: 120V 15A 60Hz
- Overall Size: 13.5" L x 14.5" W x 3" H
- Net Weight: 10 lbs

IDEAL TRAINING APPLICATIONS

- Programs focused on residential gas furnace operation and electrical diagnostics
- Courses teaching HVAC electrical troubleshooting and control board diagnostics

FEATURES

- Compact design allows easy use and storage
- Simulates 16 common heating faults with knowledge checks
- IFC (Integrated Furnace Control) Single-Stage Board
- NFC (Near Field Communication) support for diagnostics using a mobile device app
- Live Voltage allows any electrical meter to be used to measure voltage, resistance, and microamps
- Student Workbook designed to teach Sequence of Operation, Schematic Reading, and Electrical Diagnostics
- Instructor Manual with answers and assessment questions
- Additional copies available for purchase
- Purchase of the Simulator includes the complete HVACsim app for instructor and students



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