



Inspire™

Up to 4H/2C with Dual Fuel Option
Humidification/Dehumidification

Universal 4-Wire Color Thermostat System

Upgrade single stage applications to premium high-efficiency systems (staging, heat pump or heat pump with dual fuel) – using existing 4 wires

THIN PROFILE SHARP DISPLAY

1HDEZ-1521

Includes User Interface, Equipment Control and Configuration Tool

User Interface

- USB port to quickly upload your favorite Installation Settings, Programs and personalized Company Contact Information
- 5/8" Thin profile with vibrant color display
- 7-Day or Non-Programmable
- Humidification and Dehumidification control
- Heat Pump dual fuel control option by adding an outdoor temperature sensor (F145-1378)



Upload pre-configured thermostat settings and programs on every job. Create custom messages for your seasonal maintenance and service calls!

User Interface



Equipment Control



5-Year Warranty

RJ-11 Port for Configuration and Check-Out Tool Connection

Built-In USB Programming Port (flash drive not included)



Equipment Control

- Easy Install and Setup to upgrade any standard system – without running new wires
- Color-coded system signal LED's for accurate installation, set-up confirmation and troubleshooting
- Quick Connect terminals for faster installation
- Reusable configuration and check-out tool connects user interface to equipment control at the furnace for fast configuration, troubleshooting and 100% correct installation assurance
- Eliminates multiple trips up and down the stairs

Simple to Setup – Re-Use Programming Tools On Every Job!

Upgrade single stage applications to premium high-efficiency systems (staging, heat pump or heat pump with dual fuel) – using existing 4 wires

Up to 4H/2C with Dual Fuel Option Humidification/Dehumidification

Contractor Favorite Features

- Easy Install and Setup to upgrade any standard system — without running new wires
- Quick Connect terminals for faster installation
- Color-coded system signal LED's for accurate installation, set-up confirmation and troubleshooting
- Reusable configuration and check-out tool connects user interface to equipment control at the furnace for fast configuration, troubleshooting and 100% correct installation assurance
- Eliminates multiple trips up and down the stairs
- USB port to quickly upload your favorite Installation Settings, Programs and personalized Company Contact Information
- Add an outdoor sensor for Heat Pump Dual Fuel control — to switch from Heat Pump to Furnace, based on selected outdoor temperature

Humidification and Dehumidification Control

Powered or dry contact humidifier / dehumidifier terminals for integrated or independent humidity components

Display

- Sharp, color display
- Lighted display for easier low-light viewing
- Optional continuous display light
- Large, easy-to-read character size

Energy Performance

- Meets California Building Code, Title 24
- Energy Aware compliant
- Energy savings up to 33% using convenient heating and cooling program schedule

Comfort & Convenience

- Choice of 7-Day or Non-Programmable
- Easy temperature hold or temporary temperature override
- Easy to adjust humidification and dehumidification settings
- Intuitive menu-driven setup, programming and operation, with audio prompt to confirm entries
- Auto heat/cool changeover option – automatically switches between heating and cooling programs
- Room temperature display can be recalibrated up to +/- 5° F
- Maintains room temperature to within +/- 1° F
- Setpoint temperature limits
- Furnace filter change reminder
- Humidifier pad change reminder
- Permanent program retention during power loss
- Compressor lockout protection

Equipment Control Terminal Designations*



Thermostat Terminal Designations*



* See installation instructions or www.white-roddgers.com for terminal descriptions

Dimensions

- 5.8" W x 5.5" H x 1.4" D (control)
- 6.1" W x 3.3" H x 0.6" D (interface)

Thermal Specifications

- Setpoint Temperature Range: 45° to 99° F (7° to 32° C)
- Rated Differential: Heat 0.6° F; Cool 1.2° F; Heat 1.2° F; Cool 1.2° F (Heat Pump)
- Operating Ambient Temperature: 32° to 105° F (0° to 41° C) – Interface; -30° to 150° F (-34° to 66° C) – Control
- Operating Humidity Range: 90% non-condensing maximum
- Shipping Temperature Range: -40° to 150° F (-40° to 65° C)

Electrical Specifications

- Rating**
Input Hardwire: 20 to 30 VAC, NEC Class II, 50/60 Hz or DC
1.5 Amps (load per terminal)
2.5 Amps maximum load (all terminals combined)
- Standard Systems**
Single Stage gas, oil, electric
Single Stage heat pump
Multi-Stage gas, oil, electric
Multi-Stage heat pump

Accessories

- Outdoor Remote Sensor F145-1378
- Thermostat Guards
Clear – F29-0198
Metal – F29-0220 (solid base)
F29-0222 (ring base)

For Additional Information

Visit www.white-roddgers.com

Single Stage	Multi-Stage	Heat Pump	Programs	Model	Applications			Power Source	Selectable Performance Features						Comfort and Convenience Features		
Stages Heat/Cool by System	Program Options	Model Number	Gas/Oil/Electric	3 Wire Zone	Millivolt	Humidity Control (H) Humidity (D) Dehumidify	Auto Changeover		Programmable Fan	Energy Mgt. Recovery	Dual Fuel Control	Keypad Lockout	Outdoor Remote Sensor	Setpoint Temperature Limit	Lighted Display	Audible Feedback	Permanent Memory
1/1	2/2	4/2	7, Ø	1HDEZ-1521	✓		H, D	H	✓		✓	✓		✓	✓	✓	✓

H = Hardwired