

Web User Interface (Web UI)

Standard on Models RV and RVE

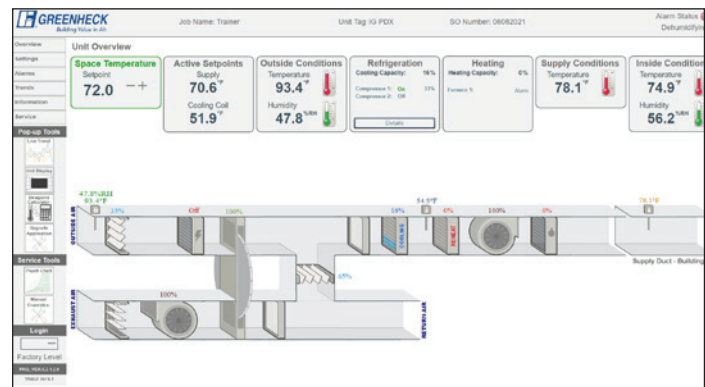
Greenheck models RV and RVE microprocessor controllers come standard with a web user interface allowing the unit to be viewed and controlled from a web browser. A full graphic, specific to the unit selected, allows for monitoring and control of the unit without a building management system (BMS). Other features include full control display access, customizable data trending, and service contact information.

Easy to Use

- Easily view all unit data from a web screen on a laptop or tablet
- Graphical, at-a-glance home screen provides intuitive information and ability to change setpoints
- View and change schedules, damper and fan settings, and interoperability parameters from the Settings page

Quick and Simple Start-up

- During installation, connect a laptop or tablet to view unit data on a large screen vs. using a small handheld device speeding up the process
- Use the unit graphic to provide real-time visual validation that the unit is working as designed
- Make use of convenient manual override and trending functions to confirm proper operation
- During daily operation, use Overview or Settings pages to check or change settings without going to the roof
- When servicing or troubleshooting, check the Alarms page or view the Refrigeration detail page to learn more about performance issues
- View factory set-up, auto trending data for every system point
- Allows access to the unit controller through the building network



Web User Interface

Key Features

- **Standard** Web UI is standard within all microprocessor controllers and accessed using Ethernet at the unit or through a standard web browser via the building's network.
- **The Overview page allows a quick system glance**, where it's easy to change a setpoint or view inside/outside/supply conditions or heating/cooling capacities.
- **Change multiple settings on the Unit Settings page** including occupancy schedule, temperature, dampers, fans, and BMS/network settings.
- **The Trends page displays auto trending of all factory I/O points for a rolling seven-day period**, logged every minute. View all or some logged data for all sensor values, set points, and control outputs, or use the live trend function for just-in-time data.
- **The Alarms page allows one-click access to all alarms**, current and previous. The alarms snapshot captures operating conditions preceding an alarm condition, making troubleshooting much easier.
- **The Service page displays content most useful for system analysis**, including a list of all I/O points, and access to manual overrides and trending functions to confirm proper operation.
- **The Refrigeration Detail page** provides information about compressor status, circuit pressures, and temperatures — all without the need to connect gauges!
- **The Web UI can function as a low-cost BMS** with an Ethernet connection.

The image displays three screenshots of the Greenheck Web User Interface (WUI) with callouts explaining key features:

- Unit Overview Page:** Shows a dashboard with various metrics:
 - Supply Temperature Setpoint:** 72.0°F (Callout: "Change temp set point here")
 - Active Setpoints:** Supply 72.0°F, Cooling Coil 49.0°F
 - Outside Conditions:** Temperature 27.8°F, Humidity 18.8%RH
 - Cooling Detail:** Cooling Capacity 0%, Compressor 1: Off, Compressor 2: Off (Callout: "Click for refrigeration details")
 - Heating Detail:** Heating Capacity 51%, Furnace 1: 51%
 - Supply Conditions:** Temperature 67.3°F
 - Inside Conditions:** Temperature 67.3°F, Humidity 10.9%RH
 - Supply Duct - Building:** 67.3°F, 0.430"wc
 - Psych Chart:** 18.8%RH, 27.8°F
 - Unit Status:** 35.3°F, 0%, 57.2°F, 69%, 51%
- Unit Settings Page:** Shows configuration options for:
 - Occupancy, Temperature, Dampers, Fans, Network
 - Supply Fan Maximum Speed: 100%
 - Supply Fan Minimum Speed: 50%
 - Exhaust Fan Maximum Speed: 100%
 - Exhaust Fan Minimum Speed: 30%
 - Supply Duct Static Pressure: 0.800"wc
 - Return Duct Static Pressure: -2.000"wc
- Overview Refrigeration Detail Page:** Shows:
 - Compressor Status:** Two compressors (Circ A and Circ B) with load indicators (Callout: "See number of circuits running and load percentage")
 - Refrigeration Circuit Detail:** Circuit A with Discharge Pressure 68.13 psi and Saturated Temp 13.65°F (Callout: "View circuit pressures and temp readings to verify condenser control")

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