Hybrid Heat Pump Water Heater

Touch Screen Display

User Operating Instructions
Start Up Screen

- Water Heater is OFF
- Control Board has 240V power
- TSD and communications link are OK
- Notice “Water Heater Disabled”
- Press Standby to start machine
Home Screen

- HB50 is factory set to run in Energy Saver Mode
- Water temperature setting is factory set to 120°F
- Notice “Standby” changed to “Enabled”
- This button will cycle the water heater ON and OFF
Mode

- **Energy Saver Mode**
  - Combination of heat pump and elements

- **Heat Pump Only Mode**
  - Highest EF rating
  - Does not use elements

- **High Demand Mode**
  - Combination of heat pump and elements
  - Best performance

- **Electric Heat Only Mode**
  - Non-simultaneous heating elements

- **Vacation Mode**
  - Select 2 – 28 days
  - “HOLD” setting for indef
Settings

- Select
  - Fahrenheit
  - Celsius
- Lock / Unlock the Home Screen
- Enable / Disable Audible Alarms
Service

- Displays current status of the machine
- System
- Sensors
- Alarms
System

- Model Number
- Serial Number
- Software Versions
  - Control Board
  - Display (TSD)
- Network Instance for EcoNet™
- System Test
  - Select Test
Select Test

- Select Test
  - Upper Element
  - Lower Element
  - Compressor
  - Evap Fan Lo Speed
  - Evap Fan HI Speed

- Press Start Test
Start Test

- Press Start Test
- Control Board sends current to the part
- You can verify current with a multimeter
- Part should be working
- Press End Test when completed
Sensors

- Shows thermistor temperature reading of areas being monitored
- Shorted thermistor will read “250°F”
- Open thermistor will read “-40°F”
Alarms

- Shows current alarms
  - Press Clear Alarms to reset
- Shows alarm history
  - Press Clear History to reset
Hybrid Heat Pump Water Heater

Touch Screen Display

User Operating Instructions

800-995-0982