TECHNICAL INFORMATION COMMUNICATION

Quality and Continuous Improvement

Number: TIC2020-0016 **Date:** 10/29/2020

Title: Software 3.61 Release

Product Category: Residential Communicating Systems

Products Affected:

Residential Communicating Systems –B touch controls only

Carrier	Bryant
SYSTXCCITC01-B	SYSTXBBECC01-B
SYSTXCCWIC01-B	SYSTXBBWEC01-B
SYSTXCCICF01-B	SYSTXBBECF01-B
SYSTXCCWIF01-B	SYSTBXBWEF01-B

Situation

A new software version is available on HVACPartners and the Consumer Website to download and update the UI to resolve server connection issues.

Version 3.61

Reduced the Maximum Transmission Unit (MTU) to resolve connectivity issues with certain Internet Service Providers. ***If you are not experiencing connectivity problems, then there is no need to install this update.***

Instructions for the software download and updating the UI control can be found online in the Series B Control Version 3.61 Release Notes. Use the download link provided in the EULA document and then follow the instruction in the following pages to set up a TSTAT folder on an SD card and install the software on the UI control.

Version 3.60 (September 2020)

- Some users experienced 3.40 OTA update leading to the screen going blank; wall control then recovers to v3.00 upon forced reboot. *The primary cause has been corrected; but additional analysis is in progress to ensure this will not happen in the future.*
- False G-terminal Alerts could be triggered during learning process check, if the system control reads the status inputs from furnace and fancoil before they have been set properly.
- Fix provided in system control; G-terminal status is updated only after reading the control inputs status event from indoor control boards.
- Revised the Capacity Limiting logic to allow for duty cycling the Carrier® Infinity® System and Bryant® Evolution™ Extreme 24/26 to emulate a capacity lower than the set minimum.
- Resolved issue where cooling demand took a long time (~30 minutes) to start.
- Improved Fault Code handling for Carrier® Infinity® System and Bryant® Evolution™ Extreme 24/26
    - Fault Codes with differing expansion codes are now considered to be different codes and show up as separate entries in the Last 10 Events screen.
    - Now storing fault description messages in permanent memory to prevent incorrect messages displayed after a wall control reset.
    - If an active 127-EQUIPMENT UPDATE FAILURE fault occurs, it will be cleared after the next successful firmware update.
    - Fixes for mismatched fault code and fault description combinations in the Last 10 Events screen.
    - System control software has been updated to handle empty fault strings on status screens and refrigerant charging screens.

- The defrost on Carrier® Infinity® System and Bryant® Evolution™ Extreme 24/26 can run longer than 15 mins and will not cause a system malfunction so that heat demand could run afterwards.
- Removed warning for LLV open on Charging screen.
- Help text for cycle counters and run times screens are added for both Air Conditioner and Heat Pump

- Utility Curtailment feature when active will get recorded in Last 10 events screen
- Refrigerant charging - pump down statuses were incorrectly displayed. Changes in pumpdown state typically take 5 seconds to reflect the actual state from the outdoor unit; in rapid state

change from the Carrier® Infinity® System and Bryant® Evolution™ Extreme 24/26, It can take 10 seconds to reflect that state change.

- Fixes for range and toggle button related issues for capacity limiting screens have been made in the system control.
- Corrections to Capacity Limiting minimum demand calculations; now applies the minimum demand limit as a part of the capacity limiting feature as opposed to the previous behavior where a minimum would not be imposed.

Version 3.40 (June 2020)

- Fixed installation (system learning) issue in which the system control did not recognize the 2 Ton versions of the AC/HP equipment models, in combination with the FE4ANF002 fan coil: Corrected with Version 3.01 patch
- Energy Estimate calculation issues, causing. Energy estimates to appear to be much higher than expected.
- The system control could update the outdoor unit to the same software version if the SD card was not removed after a successful update.
    - Added a periodic check of the SD card contents to see if the files are still valid for update.
- Service Valve Subcool Value – changed to displace accurate value.
- Operating status on the home screen is now aligned with the actual equipment operation.
- Blower RPM now shows actual RPM value when the IDU blower is operating.
- During system installation (learning), system control did not correctly discover the 24VNA624 ODU + FE4ANB005 fan coil combination.
- During checkout mode, received message "Info 104 - Low Indoor Temp Zone 2 Aux Heat" on HP's and AC's, cooling and heating mode. Message updated
- Discharge pressure in shown as "----" in AC Status/HP Status screen when the Discharge pressure is valid.
- When running heat demand for fan coil and Infinity / Extreme HP combination, the wall control was showing "HP + Electric Heat" even when fan coil is being used to fulfill the demand.
- System control was showing improper stages and empty values on the “Cycle Counters” and “Lifetime Hours” screens for a 1 Stage ULN furnace.
- Demand calculation not being sent to Infinity / Extreme HP/AC.
- Outside Air Temperature (OAT) value is always -12 F and not able to change in capacity limiting Heating screen.
- Update equipment run-time parameters in the checkout mode.

TECHNICAL INFORMATION COMMUNICATION

Version 3.01 (June 2020)

Version 3.01 software includes the following updates to the Series B Carrier® Infinity® System and Bryant® Evolution® Connex™ Control:

Major updates:

- Fixed installation (system learning) issue in which the system control did not recognize the 2 Ton versions of the following AC/HP equipment models, in combination with the FE4ANF002 fan coil:
  - Carrier® Infinity® and Bryant® Evolution™ Extreme 26 Air Conditioner
  - Carrier® Infinity® and Bryant® Evolution™ Extreme 24 Heat Pump

Version 3.00 (April 2020)

Version 3.00 software includes the following updates to the Series B Carrier® Infinity® System and Bryant® Evolution® Connex™ Control:

Major updates:

- Supports new AC/HP equipment models:
  Carrier® Infinity® System and Bryant® Evolution™ Extreme 26 Air Conditioner
  Carrier® Infinity® System and Bryant® Evolution™ Extreme 24 Heat Pump

- Key features for new AC/HP equipment:
  - System Integration
  - Firmware Update of PCM & VFD via BING (OTA & SD Card)
  - Enhanced Fault Communication
  - Enhanced HP/AC Status Screen
  - Refrigerant Charging Update
  - Parameter Data Logging
  - Improvements to Wi-Fi and connectivity long-term stability.
  - Fixed various minor faults
    - Energy tracking and ENERGY STAR improvements
    - Minor GUI corrections and improvements
    - Fixed Geo HP integration configuration
  - Multiple causes of Reboots found and corrected.

Updates are released for Over-The-Air update first, then posted to HVACPartners and the consumer websites later.