

TECHNICAL INFORMATION COMMUNICATION



Quality and Continuous Improvement

Number: TIC2020-0009

Date: 06/17/2020

Title: Software 3.40 Release

Product Category: Residential Communicating Systems

Products Affected:

Residential Communicating Systems –B touch controls only

Carrier

SYSTXCCITC01-B
SYSTXCCWIC01-B
SYSTXCCICF01-B
SYSTXCCWIF01-B

Bryant

SYSTXBBECC01-B
SYSTXBBWEC01-B
SYSTXBBEFC01-B
SYSTBXBWEC01-B

Situation

A new software update is available for OTA (Over the Air). OTA will be staged to all customers by the end of the week.

Version 3.40 will go into production mid-July and available for shipment from our warehouse mid-August.

Version 3.40 software includes the following updates to the Series - B UI control

Major updates:

- 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.

Only trained and qualified personnel should design, install, repair and service HVAC systems and equipment. All national standards and safety codes must be followed when designing, installing, repairing and servicing HVAC systems and equipment. It is the responsibility of the Dealer to ensure local codes, standards, and ordinances are met.

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Additional updates:

- 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 display 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 is 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.

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Version 3.00 (April 2020)

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

Major updates:

- Supports new AC/HP equipment models:

Infinity / Extreme 26 Air Conditioner
Infinity / 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.

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