

# IMPORTANT

For proper installation and future reference,  
follow these instructions and mark each Check Box.

- Special Tools Required (Bulletin 30-121, p. 6)*
  - Check that you have all of the following items:**
    - Bulletin 30-103 Commissioning Report Form
    - Bulletin 30-121 Installation manual\*
    - Bulletin 30-127 Diagnostics manual\*
    - Diagnostic tool kit\* (laptop adapter, cable, CD Turbometer™ air velocity meter)
    - Torque Wrench (Yellow Jacket 60650 or equal)
    - Laptop or tablet with Windows® XP or higher
    - 5/16" Female x 1/4" Male SAE Hose Adapter
- \* included with outdoor unit
- Equipment (Bulletin 30-121, pg. 1)*
  - Confirm indoor unit(s) match outdoor unit**
- Electrical – High Voltage (Bulletin 30-121, pp.22 -25)*
  - 208 or 230VAC; if 208VAC, AHU internal wiring must be set to 208V.**
  - ENSURE AHU IS POWERED SEPARATELY FROM OUTDOOR UNIT**
  - High wall units powered from outdoor unit**
- Electrical – Low Voltage Communication Wiring (Bulletin 30-121, pp. 22-25)*
  - Shielded cable, grounded on both ends. Must be 2-wire 18 AWG minimum**
  - C1 connected to C1, and C2 connected to C2**
- Electrical – Low Voltage Control Wiring (Bulletin 30-121, pg. 26)*
  - Heat pump thermostat is wired per schematic**
  - Use the thermostat B terminal. Connect to AHU terminal B**
- Switches (Bulletin 30-121, pp. 32-34)*
  - Indoor blower switches set for correct refrigerant circuit**
  - Indoor blower switches set for correct model type**
  - Indoor blower switches set for correct communication channel**
- Piping and Refrigerant (Bulletin 30-121)*
  - Confirm line set size (pg. 2)**
  - Confirm line set length below maximum limit (pp. 2-3)**
  - Indoor unit(s) connected per schematic (pp. 14-21)**
  - Torque wrench used to tighten flare nut (pg. 9)**
  - Evacuate line set and indoor unit (pg. 10)**
  - Open service valves (pp. 11)**
  - Add additional charge for long line set as required (pg. 3)**

**Startup** (follow sequence)

- 1. Connect laptop. Check firmware version. Update to latest version. (Bulletin 30-127)
- 2. Start data logger. Let it run until LAST STEP. (Bulletin 30-127)
- 3. Turn on power to system and check LEDs for any error codes. (Bulletin 30-121, pp. 57-58)
- 4. Record airflow from each outlet with Turbometer. Use Bulletin 30-103.
- 5. Let unit run for at least 30 minutes to stabilize.
- 6. LAST STEP: Save data file for future reference and disconnect laptop.

For assistance call Unico Technical Service at +1 (800)-527-0896  
or go to <http://tech.unicosystem.com> for the latest Technical Bulletins and Firmware

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