

## Start-up Checklist

# CI-2™

Complete 1 Checklist Per Ionizer

### EQUIPMENT + INSTALLER DATA

#### MODEL VERIFICATION

- 1. Record Manufacturer: GPS
- 2. Record Model Number: CI-2
- 3. Record Serial Number of Ionizer:
- 4. Accessories: PS-2 (Power Supply)  Yes  No

#### INSTALLATION DATA

- 5. Record Name of Install Company and Technician:
- 6. Record Date of Installation/Startup:
- 7. Record HVAC Unit ID:
- 8. Record Incoming Power Level:
- 9. Record Voltage Output at CI-2 Emitters:
- 10. Confirm Installation Type:
  - PTAC
  - Mini Split
  - AHU Blower Inlet
  - Ceiling Cassette
  - Other:

### INSTALLATION

#### MECHANICAL MOUNT | Magnet Installation

*Mounting on ferrous surfaces subject to low levels of vibration (if using fasteners, skip to next section)*

- 1. Confirm the CI-2 is installed downstream of all filters in the system
- 2. Confirm the CI-2 is installed such that air passes over the emitters as indicated on the product
- 3. Confirm that airflow over the emitters is not obscured/restricted - see the IOM for details
- 4. Confirm the CI-2 is secure

## MECHANICAL MOUNT | Fastener Installation

*For non-ferrous surfaces or those where significant levels of vibration may be experienced*

- 1. Confirm the CI-2 is installed downstream of all filters in the system
- 2. Confirm that the optional mounting bracket is snapped to the CI-2 and is secure
- 3. Confirm fasteners used in conjunction with the mounting bracket have secured the CI-2 to the appropriate surface
- 4. Confirm the CI-2 is installed such that air passes over the emitters as indicated on the product
- 5. Confirm that airflow over the emitters is not obscured/restricted - see the IOM for details

## ELECTRICAL INSTALLATION

- 1. Confirm incoming power to the CI-2 is one of the following:
  - Stand alone CI-2, confirm either
    - 24VAC
    - 12-36VDC
  - If using in conjunction with the optional PS-2, confirm incoming power:
    - 110VAC
    - 240VAC
    - 277VAC
- 2. Confirm the electrical connections on the CI-2 are wired in accordance with the installation manual
- 3. Confirm the electrical supply is terminated in an appropriate fashion at the supply end and all local and national electrical and building codes are complied with
- 4. Use a soft cloth with isopropyl alcohol to wipe debris off the CI-2 emitters
- 5. Allow any residual alcohol to evaporate off the emitters prior to turning the ionizer on for the first time

## STARTUP

### UNIT STARTUP

- 1. Power on the CI-2
- 2. Confirm the CI-2 is continuously powered and not configured to cycle with the HVAC duty
- 3. Once powered on, confirm the power LED is illuminated
- 4. Measure the voltage at the CI-2 emitters (both polarities) and confirm it is above the minimum target level of 3kV
- 5. Visually confirm there is no dust or dirt on the carbon fiber emitters after they were cleaned with isopropyl alcohol during installation

- 6. With the CI-2 operational, verify ion density output. Confirm it meets the combined polarity target of 200M ions/cc using the AIC2 ion meter ions/cc for each polarity measured 1" away with air handler fan off (no airflow)
- 7. Confirm that the final configuration is securely attached to the appropriate surface, and operational in accordance with the installation manual

For instructions on how to measure emitter voltage, scan the QR code.



For the latest applicable version of the CI-2 installation manual, visit [www.gpsair.com/downloads](http://www.gpsair.com/downloads) or scan the QR code.



Register your products at [www.gpsair.com/product-registration](http://www.gpsair.com/product-registration) or scan the QR code.

By registering your order, the standard limited warranty on eligible products from your purchase is automatically extended to 3 years, at no additional cost.

