

Start-up Checklist

GPS-iRIB[®]-18/36

Complete 1 Checklist Per Ionizer

EQUIPMENT + INSTALLER DATA

MODEL VERIFICATION

- ☐ 1. Record Manufacturer: GPS
- ☐ 2. Record Model Number: ☐ iRIB-18 ☐ iRIB-36
- ☐ 3. Record Serial Number of Ionizer:

INSTALLATION DATA

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

INSTALLATION

MECHANICAL MOUNT

- ☐ 1. Confirm the GPS-iRIB is to be installed downstream of all filters in the system
- ☐ 2. For AHU Blower inlets and Ceiling Cassettes, confirm the length of iRIB has been selected such that when laid in position, the emitter strip does not overlap itself
- ☐ 3. For PTAC's and Mini Split style applications, confirm the cooler length is at least 18" for the iRIB-18, and use the iRIB-36 when coolers are over 36" long
- ☐ 4. Confirm the hook and loop support is used to secure the emitter strip to an appropriate surface, using the adhesive tape it is attached to
- ☐ 5. Confirm the emitter strip is installed such that air passes over the emitter as indicated in the manual

- ☐ 6. Confirm airflow over the emitters is not obscured/restricted
- ☐ 7. Confirm the power supply is secured in an appropriate position using the hook and loop attached to it

ELECTRICAL INSTALLATION

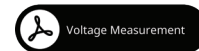
- ☐ 1. Confirm incoming power to the GPS-iRIB is one of the following: ☐ 110VAC ☐ 240VAC
- ☐ 2. Confirm the electrical connections on the GPS-iRIB are wired in accordance with the installation manual
- ☐ 3. Confirm the electrical supply is terminated in an appropriate fashion at the supply end and all local and national electrical and building codes are complied with
- ☐ 4. Use a soft cloth with isopropyl alcohol to wipe debris off the GPS-iRIB 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 GPS-iRIB
- ☐ 2. Confirm the GPS-iRIB 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 GPS-iRIB emitters (both polarities) and confirm it is at or above the minimum target level of 2kV
- ☐ 5. Visually confirm there is no duct or dirt on the carbon fiber emitters after they were cleaned with isopropyl alcohol during installation
- ☐ 6. With the GPS-iRIB 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 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 GPS-iRIB installation manual, visit www.gpsair.com/downloads or scan the QR code.



Register your products at 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.

