



CCT12V-1 Single Emitter Electronic Air Cleaner

For Paratransit, Cutaway and similar 12-volt DC electrical systems

APPLICATION AND DESCRIPTION

The CCT 12V-1 is used as an air treatment strategy to improve indoor air quality (IAQ) on buses in mass transportation. It is designed for vehicles with 12VDC electrical systems. Product is to be used in addition to standard filtration media, and mounted either within the air handling system or near the supply air within the ductwork of a vehicle. Operation is designed to utilize the HVAC evaporator blower airflow to distribute elevated positive and negative ions. It is used to suppress dust, control certain odors, and help control various microbiological organisms throughout the air space. The technology improves IAQ, filter performance and related HVAC performance.

P/N 501.801S

BENEFITS

- Significantly improves internal air quality
- Reduces airborne contaminants
- Oxidizes Volatile Organic Compounds and eliminates odors through gas disassociation
- Reduces airborne Particulate Matter (PM_x) through agglomeration
- Helps to neutralize various bacteria, molds & viruses
- Enhances effectiveness of filtration media and helps to control bacterial growth on evaporator coils



SPECIFICATIONS

- Input Electrical Voltage: 12 VDC
- Amp Draw: <1 amp
- Recommended Airflow Capacity: Up to 3600 CFM
- Operating temperature: -20C to 140C
- Weight: 2 lbs
- Safety precautions: Short Circuit Protection, Overvoltage Protection, Fuse, Input Reverse Polarity
- Technology Method: Dual Polarity ion air enrichment
- Maintenance: Inspect emitters quarterly or during filter change, lightly brush off accumulated particles if visible. Every 4 years, exchange emitter core (box trade out for new core, emitter & testing)
- Output: Manage and supply average interior duct airflow above 5,000 ions/cc (Each polarity).
- Materials: Shock resistant powder coated aluminum enclosure & interior electronics.

COMPLIANCE AND CERTIFICATIONS

- Conforms to UL STD UL-867
- Certified to CSA STD C22-2 #187
- Meets California ozone emissions limit
- CARB Certified
- Conforms to UL-2998 (3rd edition, July 10, 2020) Clause 6.2

