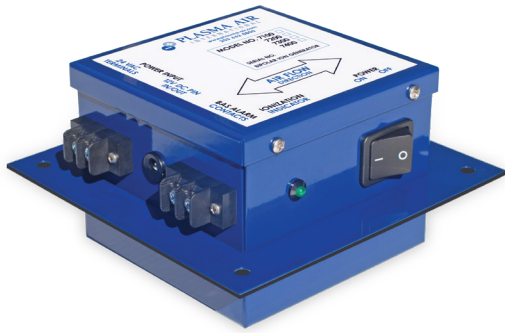


# Plasma Air 7100 / 7200 / 7300 / 7400 IONIZATION PRODUCT SUBMITTAL



The Plasma Air 7000 Series **Models 7100 / 7200 / 7300 / 7400** are needlepoint type ionizers producing an equal amount of positive and negative ions. The unit can be installed in metal duct utilizing the pre-drilled flange and factory applied gaskets. The contractor makes a duct cut out and secures the unit with self-tapping sheet metal screws. The ionization output protrudes 1½" inches into the duct to clear any duct liner. The unit can also be installed inside an HVAC unit utilizing a contractor supplied mounting bracket. The ionization needles are recessed to avoid electric shock, dust buildup and premature failure. The ionization unit can directly accept power from either 24V AC fan control circuit or a 12V DC pin from a power supply.

## SPECIFICATIONS:

**Airflow Capacity:** ..... Up to 1,400 CFM (7100)  
 ..... 1,401 to 2,800 CFM (7200)  
 ..... 2,801 to 4,200 CFM (7300)  
 ..... 4,201 to 6,000 CFM (7400)  
**Pressure Drop:** ..... Less than 0.01 In. WG  
**Housing Material:** ..... 18 Gauge steel powder coated  
**Weight:** ..... 2 lbs  
**Maximum Operating Temperature:** ..... 200° F (93°C)  
**Electrical:**

Voltage ..... 24V AC input (7XX1)  
 ..... 120V AC wall pack (7XX2)  
 ..... 120V/230V AC power supply (7XX3)  
 ..... 277V AC to 12V DC power supply (7XX4)  
**Power Consumption:** Less than 2VA per set of outputs  
**Current Draw:** ..... 30 mA at 12V DC  
**Frequency:** ..... 50/60 hertz  
**Internal Fuse:** ..... Auto reset 1 amp  
**BAS Monitoring:** ..... Dry contact terminals

## Ionization Output:

Mode of Operation: ..... Needlepoint Type  
 Needle Configuration: ..... Recessed  
 Certification: ..... ETL listed component  
**No. of Ionization Modules:** ..... 1 (7100)  
 ..... 2 (7200)  
 ..... 3 (7300)  
 ..... 4 (7400)

## DIMENSIONS:

 See Figure I

**APPROVALS:** Intertek/ETL Standard UL 867

## ORDERING NOMENCLATURE:

7XXX  
 1 – 24V AC from fan control terminals (standard)  
 2 – 120V AC to 12V DC wall pack  
 3 – 120V/240V AC to 12V DC inline power supply  
 4 – 241V/277V AC to 12V DC inline power supply  
 0 – Placeholder  
 1 – up to 1,400 CFM  
 2 – 1,401 to 2,800 CFM  
 3 – 2,801 to 4,200 CFM  
 4 – 4,201 to 6,000 CFM

**FEEDBACK FUNCTIONALITY:** The feedback function provides an electronic signal only when the ionizers are operating properly, i.e. when the ionizer is creating ions. The products use this signal to power the LED and initiate a relay that closes dry contacts.

