

# Model 8000 - Submittal



The **Aerisa Model 8000** is a needle point ionizer that utilizes pairs of brushes to produce positive and negative ions. The unit may be either mounted in a metal duct or installed inside an HVAC unit. Using the predrilled flange, factory-applied gaskets and sheet metal screws, the Model 8000 mounts into a duct cutout and protrudes past typical duct liner. A mounting bracket is required for HVAC unit installation. The Model 8000 accepts 24V AC power directly, via a 120V AC to 12V DC wallpack or using a 120/230V AC to 12V DC in-line transformer. Integral dry contacts enable remote monitoring of the Model 8000.

<b>Airflow Capacity:</b>	Up to 2,000 CFM (8100)
	2,001 to 4,000 CFM (8200)
	4,001 to 6,000 CFM (8300)
<b>Pressure Drop:</b>	Less than 0.01 In WG
<b>Housing Material:</b>	18 Gauge steel powder coated
<b>Weight:</b>	2 pounds
<b>Maximum Operating Temperature:</b>	200°F (93°C)
<b>Electrical:</b>	
Voltage Input:	24V AC input (fan control terminals) (8001)
	120V AC to 12V DC wall pack (8002)
	230V AC to 12V DC wall pack (8003)
	120V/230V AC to 12V DC in line transformer (8004)
Power Consumption:	Less than 2 VA 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

<b>Ionization Output:</b>	
Mode of Operation:	Needle Point Brush Type
No. of Ionization Outputs:	1 (8100)
	2 (8200)
	3 (8300)

**ACCESSORIES (SELECT ONE):**

- 24V AC input (standard) (8001)
- 120V AC to 12V DC wall pack (8002)
- 230V AC to 12V DC wall pack (8003)
- 120V AC/230V AC to 12V DC in line transformer (8004)

**Dimensions:** See Figure 1

**Approvals:** INTERTEK/ETL Standard UL 867

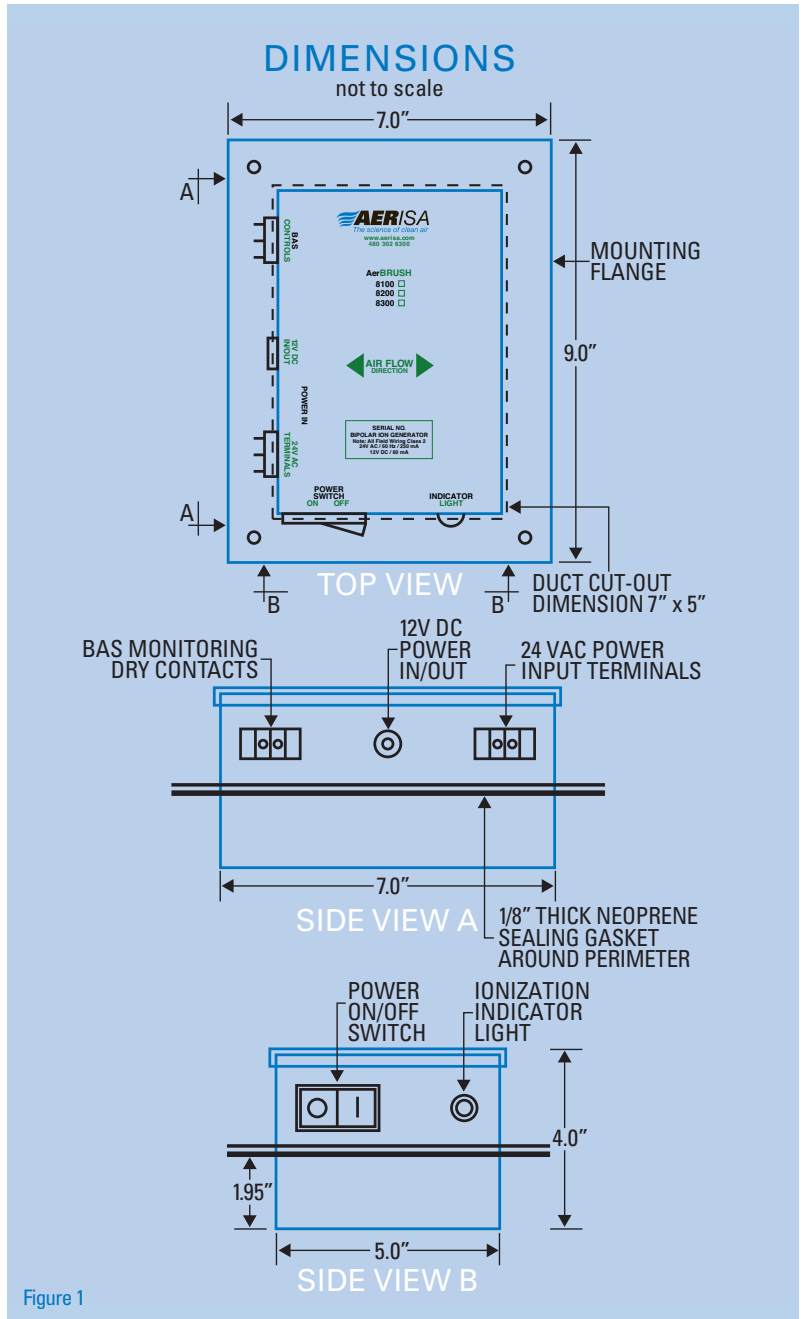


Figure 1

**ORDERING NOMENCLATURE:**

- 8XXX
- 1 – 24V AC from fan control terminals (standard)
  - 2 – 120V AC to 12V DC wall pack
  - 3 – 230V AC to 12V DC wall pack
  - 4 – 120V/230V AC to 12V DC in line transformer
  - 0 – Revision number
  - 1 – up to 2,000 CFM
  - 2 – 2,001 to 4,000 CFM
  - 3 – 4,001 to 6,000 CFM