

## 3M™ Mini Air Ionizer

The 3M Mini Air Ionizer 960 is a small and versatile blower available for equipment or local area ionization. Its small size makes it ideal for use in those situations where space is at a minimum. Possible applications include in or around electronic product equipment, inside OEM equipment, or on ESD workstations.

The Mini Air Ionizer 960 is designed to generate a well-balanced flow of ionized air particles, which helps neutralize stray electrostatic buildup on a surface. Charges are dissipated in seconds and the possibility of a damaging electrostatic discharge (ESD) event is minimized. The ionizer also maintains a reasonably balanced flow ( $\pm 20$  V) of ionized air.

The unit runs off of low-voltage 24 VAC power, which can be supplied by the 3M™ Wall Transformer 960X (sold separately). Included with the ionizer are a mounting bracket and a 3 ft. (0.9 m) telephone cable (with modular plugs) to connect the ionizer to the Wall Transformer 960X.

### Features

- Steady-state DC ion emission for efficient ion delivery.
- Intrinsically balanced — no adjustment necessary.
- Small/compact design utilizes very little work bench space.
- UL/C-UL/CE for global acceptance.



3M™ Mini Air Ionizer 960

Product No.	Description
960	Mini Air Ionizer



Product No.	Description
960X/980X	Wall Transformer



### Mini Air Ionizer 960

Item	Typical Properties
Input Voltage	AC 24 V
Power	5.5 watts
Power Input Connection	RJ-11 socket
Size	4.5 H x 3.3 W x 2 in. D (including bracket) (11.5 x 8.4 x 5.1 cm)
Weight	0.75 lb.
Air Flow Velocity	(@1 ft. in front of grille): 300 ft./min.
Air Flow Volume	22 scfm

### Operating Environment

Temperature	59°F–95°F (15°C–35°C)
Humidity	15%–55% RH, non-condensing
Other Conditions	Product should be used in relatively clean indoor environments
Certifications	UL, C-UL, CE
*Offset Balance @ 1 ft.	$\pm 20$ V
*On Center Discharge Times	@ 1 ft. <4 seconds @ 2 ft. <10 seconds @ 3 ft. <18 seconds @ 4 ft. <28 seconds

\*Testing was performed with a charged plate monitor in accordance with ionization standard ANSI/ESD 3.1 - 1991.

### Wall Transformer 960X/980X (sold separately)

Item	Typical Properties
Input	AC 120 V, 50/60 Hz, 270 mA
Output	AC 24 V, 1.0 A through RJ-11 socket connector
Dimensions	3.2 H x 2.6 W x 1.9 in. D (8.1 x 6.6 x 4.8 cm)
Weight	16 oz.
Certifications	UL, CSA

**Note:** One transformer will supply four Mini Air Ionizers 960.