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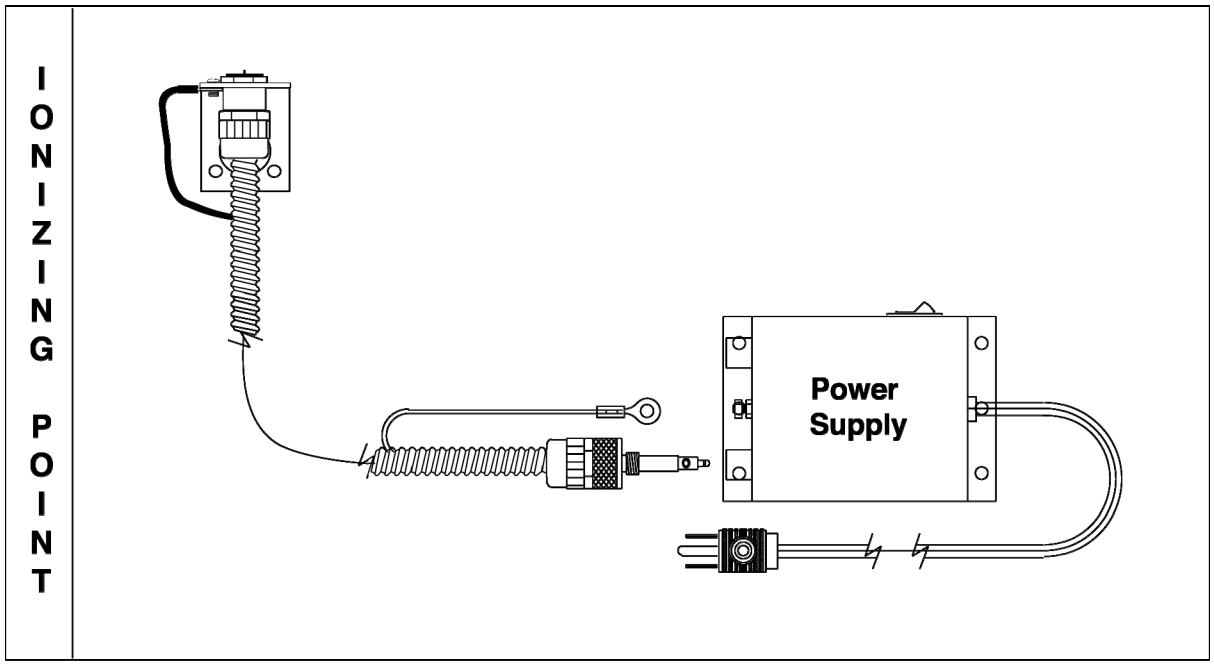
IONIZING POINT™ INSTALLATION & MAINTENANCE



USING THE IONIZING POINT

The compact Ionizing Point should be used at a location after the material has received its static charge. This shockless ionizer delivers a high concentration of positive and negative ions for fast static decay within 2" (51mm) of any surface.

The Ionizing Point is supplied with a mounting bracket and retaining nut. The Ionizing Point (end with the small needle-like emitter) can be attached to the mounting bracket with the large retaining nut. The metallic surface of the nut and mounting bracket must be grounded in order for the Ionizing Point to function properly. Attach the green ground wire to the bracket with the screw and nut provided. On the opposite end of the cable, connect the green ground wire to the power supply. Screw the bayonet connector of the high voltage power cable into the power supply. On permanent installations, it is recommended that the ionizer cable be shielded in plastic conduit or otherwise insulated from grounded metal surfaces for optimum performance.

The Ionizing Point can also be mounted through a duct to neutralize static charges due to moving air or materials. This requires a 0.69" (17mm) diameter hole. The supplied nut should be used to pull the emitter housing up snug to the duct. The ground lead must be attached to the metal duct to ensure grounding of the retaining nut. Be sure to make all other connections before turning the power supply on.

The ionizing point is shockless and may be touched without injury.

The Ionizing Point And Power Supply Should Not Be Used In An Explosive Or Flammable Area.

ELECTRICAL SUPPLY

The Model 7901 Power Supply (two outlet) and Model 7940 Power Supply (four outlet) require a 115V, 50/60Hz source. The Model 7907 Power Supply (two outlet) and Model 7941 Power Supply (four outlet) require a 230V, 50/60Hz source. For proper operation, the Ionizing Point and Power Supply must be properly grounded. If the unit is not grounded, the Ionizing Point will produce a shock and will not function properly. The ground terminal on the Power Supply must be connected to the grounding wire of the Ionizing Point.

Electrical Hazard: Shockless (less than 40 microamperes short circuited). **Do not use near flammable materials or gases.**

CLEANING

The best method to determine how well the Ionizing Point is working is with the Model 7905 Static Meter. The static meter is easy to use and will accurately display the charge on a surface without touching it. To do this, simply measure the charge on the surface before ionizing (power supply off). Then, ionize the surface (power supply on). Measure the surface again. A "zero" volt reading indicates that the Ionizing Point is working properly. If a charge is still present, this may indicate the need for cleaning.

Accumulation of light dust or dirt on the surface of the ionizing point will degrade the effectiveness of the ionizer. A simple cleaning operation added to your planned maintenance schedule can eliminate this potential performance problem. The frequency of cleaning required will depend upon the environment in which the ionizer is installed. Dirty industrial environments may require daily cleaning, while clean-room applications may require only monthly cleaning. It is important to evaluate the cleaning needs of each individual ionizer installation.

A dull or dirty emitter point will eventually cease to operate. The ionizing point can be cleaned with a small brush.

Never Clean An Ionizer With The Power On!

Periodic cleaning will keep the ionizer operating at peak performance for the life of the unit.

IONIZING POINT PERFORMANCE

	Distance from Charged Surface		
	0.5" (13mm)	**1.0" (25mm)**	**2.0"(51mm)**
Dissipates 5kV (seconds)	0.12	0.18	0.24

MATERIALS OF CONSTRUCTION:

Metal Parts: Steel (bracket) and Stainless Steel
Plastic Parts: UL rated 94 HB
Emitter: Stainless Steel

There are no user serviceable parts.

If you have any questions or problems, please contact:

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EXAIR Ionizing Point is UL Component Recognized to U.S. and Canadian safety standards.

Power supplies are UL Listed to U.S. and Canadian safety standards. There are no user serviceable parts inside.

Power Supplies meet the requirements of applicable European Directive(s).