

Non-Air Ion Bars Operation, Installation and Maintenance



Made in America



Figure 1. SPI Ion Bar and 94245 Controller

INTRODUCTION:

The LINEAR ION BAR SYSTEMS have been designed to effectively eliminate localized static charges which exist in the work area.

UNPACKING AND INSPECTION:

Your controller and bars were carefully packed at the factory in a container designed to protect it from accidental damage. Nevertheless, we recommend careful examination of the carton and contents for any damage. If damage is evident, do not destroy the carton or packing material and immediately notify the carrier of a possible damage claim. Shipping claims must be made by the consignee to the delivering carrier.

The Non-Air Ion Bars are available in several sizes. There are 4 Controller options, and several accessory items. The part numbers are listed below:

Item #	Description
94200	Ion Bar Assembly, 12", 2 Emitters
94201	Ion Bar Assembly, 24", 6 Emitters
94202	Ion Bar Assembly, 36", 12 Emitters
94203	Ion Bar Assembly, 48", 12 Emitters
94204	Ion Bar Assembly, 60", 14 Emitters
94205	Ion Bar Assembly, 72", 18 Emitters
94226	Ion Bar Assembly, 96", 24 Emitters
94240	Controller with Recessed Potentiometer Adjustment, 120V
94241	Controller with Recessed Potentiometer Adjustment, 220V
94245	Controller with External Potentiometer Adjustment, 120V
94246	Controller with External Potentiometer Adjustment, 220V
94250	Ion Bar 2 to 1 Connector Set (2 per pack)
94254	Ion Bar 4 to 1 Connector Set (2 per pack)
94252	Emitter for Ion Bar

HOW TO USE YOUR IONIZER:

YOUR SYSTEM COMES COMPLETE AND READY TO USE.

1. Locate the controller console in a convenient position either on or near the target area, close enough to be able to connect the Ion Bar.
2. Locate and attach the Ion Bar in a position so that the air ions are directed toward the target area
3. Connect Ion Bar to back of controller console.
4. Plug the console unit into a 110V AC electrical outlet.

NOTES:

1. One SPI controller will power up to 40 emitters. It is possible to daisy-chain bars together as long as the total number of emitters does not exceed 40.
2. To permit the power supply console unit to supply more than 1 Ion Bar, you must obtain and attach either a 94250, two to one connector for two bars; or a 94254, four to one connector for three to four bars.

HOW TO USE THE CONTROLLER

There are two adjustments that can be made on the IONIZER: BALANCE and RATE.

The BALANCE of positive and negative ion output can be adjusted to increase polarity bias by turning the BALANCE KNOB, and slowly turning the trim pot CLOCKWISE to increase positive and decrease negative ON time pulses OR COUNTER-CLOCKWISE to increase negative and decrease positive ON time pulses. The RATE or pulse frequency can be adjusted down to one pulse per second or up to 5 pulses per second by SLOWLY TURNING THE RATE KNOB trim pot clockwise to increase and counter clockwise to decrease the frequency.

REMEMBER:

It is important to verify calibration after any adjustments and before using your ionizer around sensitive electronics. Merely repeat above Balance Verification steps after all adjustments.

IMPORTANT:

Your IONIZER has been designed to minimize effects of localized static charges. If your processing involves generation of considerable static charges you may need more aggressive equipment. SPI Westek has available a complete line of ionizers; benchtop, overhead and hand ion guns to meet all ionizing requirements.

Limited Warranty

SPI expressly warrants that for a period of one (1) year from the date of purchase, SPI Ionizers will be free of defects in material (parts) and workmanship (labor). Within the warranty period, the product will be tested, repaired, or replaced at our option, free of charge. Call our Customer Service Department at 909-664-9986 for a Return Material Authorization (RMA) and proper shipping instructions and address. Include a copy of your original packing slip, invoice, or other proof of purchase date. Any unit under warranty should be shipped prepaid to the SPI factory. Warranty repairs will take approximately two weeks.

If your unit is out of warranty, call Customer Service at 909-664-9986 for a Return Material Authorization (RMA) and proper shipping instructions and address. SPI Westek will quote repair charges necessary to bring your unit up to factory standards.

Warranty Exclusions

THE FOREGOING EXPRESS WARRANTY IS MADE IN LIEU OF ALL OTHER PRODUCT WARRANTIES, EXPRESSED AND IMPLIED, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE WHICH ARE SPECIFICALLY DISCLAIMED. The express warranty will not apply to defects or damage due to accidents, neglect, misuse, alterations, operator error, or failure to properly maintain, clean or repair products.

Limit of Liability

In no event will SPI or any seller be responsible or liable for any injury, loss or damage, direct or consequential, arising out of the use of or the inability to use the product. Before using, users shall determine the suitability of the product for their intended use, and users assume all risk and liability whatsoever in connection therewith.