

Installation / Operation / Maintenance

Staticmaster Linear Rail Ionizer

Models 1U200 Rail, 1U400 Rail and 2U500 Rail.

Please Observe the Following

NOTICE:

Please review the information in this manual prior to operating the Rail Ionizer in a work environment.

Please keep this document in a convenient place to refer to as a guide

Description

This family of ionizers neutralizes the high static charges developed in materials being processed by providing ionized air to them.

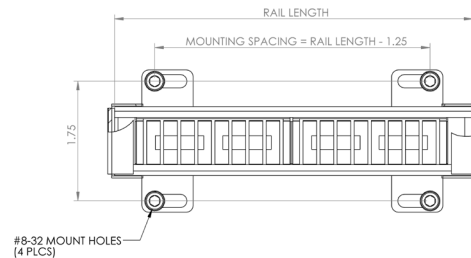
Installation & Operation

1. Take the rail and cells out of the packaging.
2. Determine a mounting location that will satisfy the following requirements:

- A) The ionizer will face the side of the material that is statically charged.
- B) The ionizer will be positioned after the point where static is developed, e.g., after the last static generating roller or friction point.
- C) The distance between the ionizer (i.e., Rail grid) and the charged material will be approx. 1-1/8" (30 mm).
- D) No part of the ionizer will contact the charged material during normal process operations.
- E) If the rail ionizer is to be installed, the processed material must pass by the Rail ionizer without contact.

- F) If installing more than one ionizer for a single application, the ionizers will not be positioned directly opposite each other on both sides of the material being processed.

3. (Optional) Mount the ionizer to a rigid structure in the selected location. Attach optional NRD brackets to each end.



4. Ground the ionizer by attaching the stud to one end of the rail and the other end to ground potential. (Attachment hardware and grounding wire is not provided by NRD). Ensure that the process machinery is also grounded. Verify that the ionizer and machinery are grounded by having them checked by a qualified electrician.



The ionizer is now ready for use.



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Maintenance

- Maintenance is *not* required except that the Rail Ionizer must be kept clean by blowing dry, filtered, compressed air over its surface.
- Calibration is *not* required.
- To ensure maximum static removal efficiency, the Rail Ionizer Devices (1U200, 1U400 or 2U500) must be replaced annually regardless of use. The replacement date is one year after the date manufactured. NRD will remind customers of the replacement date.

Limited Warranty

NRD expressly warrants that for a period of one (1) year from the time of purchase, the item will be free of defects in material (parts) and workmanship (labor). Within the warranty period, the item will be tested, repaired, or replaced at discretion of NRD, free of charge. Any item under warranty should be shipped prepaid to the NRD factory. Call Customer Service at (716) 773-7634 for a Return Authorization number and shipping instructions. Include a copy of your original packing slip, invoice, or other proof of purchase date.

If the item is out of warranty, NRD LLC will quote repair charges necessary to bring your item up to factory standards.

Replace cells

1. Remove the ground cable.
2. Loosen the mounting screws and slide the bracket out. (If the optional mounting brackets are used.)
3. Place the rail on a flat surface.
4. To remove old cells: One of the two end blocks must be removed. To do this the Allen head set screw in the end blocks must be loosened before the end block can be removed.
5. Insert new cells and secure the end block back in place.
6. Place rail back into service. Slide bracket back in place, then secure the mounting bracket screws. (if optional mounting bracket is used)

Warranty Exclusions

The forgoing express warranty is made in lieu of all other product warranties, expressed and implied, including merchantability and fitness for a particular purpose that is 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

The user shall determine the suitability of the product for their intended use, and the user assumes all risk and liability whatsoever in connection therein.



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Trouble Shooting Guide

Symptom	Probable Cause	Corrective Action
1. Static charges are not eliminated	Rail Ionizer is out of date and needs replacement	Call NRD for replacement cells
	Dirt buildup on the Rail Ionizer	Remove dirt using clean, dry, compressed air
	Rail Ionizer or equipment is not properly grounded	Secure Rail Ionizer or equipment to ground potential
2. Static charges are eliminated only on one side of the material being processed	Material is in contact with equipment or additional material layers	Freely suspend material being processed

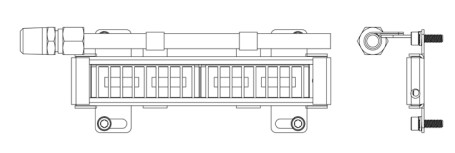
For additional assistance call NRD Customer Service toll-free at

1-800-525-8076

Optional Accessories

Assembly shown with optional Brass Air Tube 4275 or Stainless Steel Air Tube Model 4275SS

Optional Mounting Bracket Model: RAIL-BKT



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