

## SAVE THESE INSTRUCTIONS!

Thank you for selecting the SurgeArrest Rackmount from APC by Schneider Electric! It is designed to provide the highest degree of protection from AC line spikes, surges and EMI/RFI noise. Complete and return the enclosed warranty registration card.

Surges are caused by nearby lightning activity and motor load switching created by air conditioners, elevators, refrigerators, and so on. The SurgeArrest Rackmount filters out EMI/RFI (electromagnetic and radio frequency interference) noise with components whose electrical resistance is very high at radio frequencies. EMI/RFI noise is commonly created by the same activity, which produces surges, and can also be caused by nearby radio transmitters.

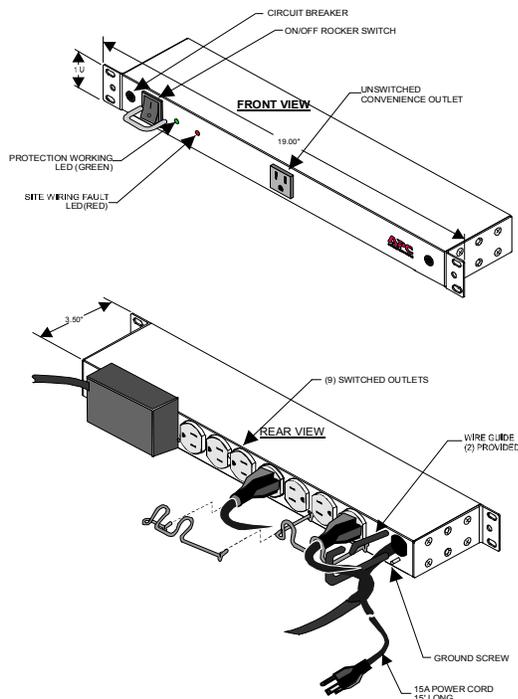


### Important Safety, Grounding and Installation Instructions

Before installing the unit, ensure you have read and understand the following safety instructions:

- The SurgeArrest Rackmount suppressor is intended for indoor use only. Do not install this product where it is exposed to excessive moisture or heat.
- Never install any wiring or products during a lightning storm.
- Plug the SurgeArrest Rackmount suppressor into a 3-wire, grounded outlet only. If the **SITE WIRING FAULT** indicator is illuminated, contact a qualified electrician to correct the service wiring.
- The SurgeArrest Rackmount is designed to be mounted in a variety of orientations in an equipment rack. Brackets with multiple hole patterns can be easily installed in either a horizontal or vertical orientation, as shown in the diagrams below, and to the right.
- Do not use extension cords or adapters with this product.

**CAUTION:** Do not install this device if there is not at least 10 meters (30 feet) or more of wire between the electrical outlet and the electrical service panel.



SurgeArrest Rackmount -- Front and Rear Views

- Two *Wire Guides* are provided to neatly bundle the line cords of the equipment being protected. Four *Plug Pull-out Guards* are provided. Use these to prevent cords from accidental disconnection from suppressor receptacles, shown in the diagram below.
- The *Switch Guard* prevents power from accidentally being turned off.
- Rack mount ears are included, and are pre-installed for convenience. If required, they can be attached.
- A *15-foot power cord* provides additional convenience in positioning the rack system into place.

### Operation

The **Site Wiring Fault Indicator** (red) will illuminate if the building wiring is faulty, regardless of the position of the On/Off Switch. This indicator signals either: missing ground wiring, the hot and neutral wires are reversed, or the neutral circuit is overloaded. If this indicator is illuminated, a qualified electrician should be called to correct the service wiring. When SurgeArrest Rackmount is fully loaded, the Site Wiring Fault indicator may flicker - this is normal and may not be indicative of a fault. Even if equipment appears to operate normally, faulty wiring could result in a shock hazard that can prevent the SurgeArrest Rackmount from providing rated surge and noise suppression.

**Note:** The **Protection Working** LED (green) indicator is normally illuminated when the switch is activated. The light is off when SurgeArrest Rackmount has disconnected itself from the AC due to a sustained ultra high energy surge, such as a direct lightning strike. If you observe that this LED indicator is off, first check the Circuit breaker and On/Off Switch to make sure that the suppressor is on and receiving power. If the Protection Working LED still does not light, return the unit to Schneider Electric IT (SEIT) to be repaired or replaced.

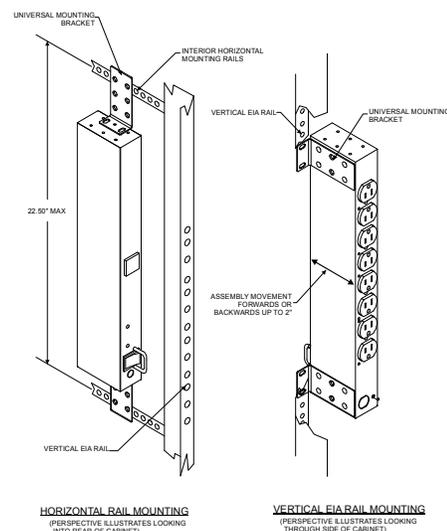
The **Circuit Breaker** is tripped when the button pops out. This indicates the suppressor is overloaded, and at least one supported device needs to be unplugged. The circuit breaker is rated to trip at the same overload point as most home and office AC service branch protectors (15 Amps).

The **On/Off Control** regulates power to the eight switched outlets, and can be used as a system master switch to all nine switched outlets.

### Mounting Procedures

Study the diagrams on this page for rack mounting options. All required brackets and screws are provided.

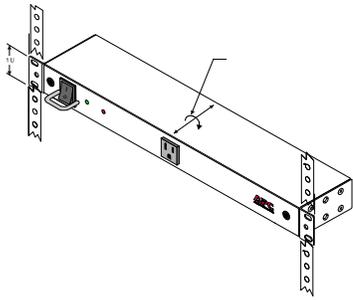
#### RACKMOUNT SURGE ARREST VERTICAL MOUNTING OPTIONS



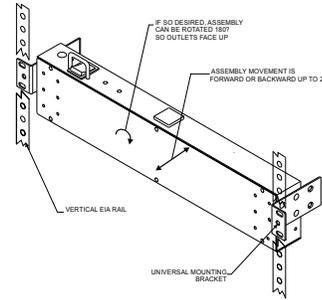
HORIZONTAL RAIL MOUNTING  
(PERSPECTIVE ILLUSTRATES LOCKING INTO REAR OF CABINET)

VERTICAL EIA RAIL MOUNTING  
(PERSPECTIVE ILLUSTRATES LOOKING THROUGH SIDE OF CABINET)

## RACKMOUNT SURGEARREST HORIZONTAL MOUNTING OPTIONS



## RACKMOUNT SURGEARREST REVERSE MOUNTING OPTIONS



## Limited Warranty

SEIT warrants its products to be free from defects in materials and workmanship under normal use and service for the lifetime of the original purchaser. Its obligation under this warranty is limited to repairing or replacing, at its sole option, any such defective products. To obtain service under warranty you must obtain a Returned Material Authorization (RMA) number from SEIT or a SEIT Service Center with transportation charges prepaid and must be accompanied by a brief description of the problem and proof of date and place of purchase. This warranty applies only to the original purchaser.

THIS POLICY IS NOT A WARRANTY. REFER TO THE SEIT LIMITED WARRANTY FOR INFORMATION CONCERNING THE WARRANTY FOR YOUR APC BY SCHNEIDER ELECTRIC PRODUCT. THE LIMITATIONS AND CONDITIONS IN THIS POLICY DO NOT AFFECT THE TERMS OF THE WARRANTY.

### "Equipment Protection Policy"

'In the 50 US States, Puerto Rico, Canada, and Bermuda for 120 Volt Products'

If your electronic equipment is damaged by power line transients on an AC power line (120 volt) while directly and properly connected to a standard APC by Schneider Electric 120 volt product covered by the Equipment Protection Policy ("connected equipment"), and if all of the remaining conditions specified below are met, SEIT will, at SEIT's sole option, during the period specified below, replace the SEIT by Schneider Electric product and either (a) pay for the repair of the equipment or (b) reimburse you for the fair market value, as determined by the then current price list of the Orion Blue Book (or equivalent), of the connected equipment, in an amount not to exceed the dollar limits stated below, if SEIT determines that the damage was caused by the failure of the APC by Schneider Electric product to protect against power line transients, (telephone line, network, or CATV transients, if applicable). Power line transients that APC by Schneider Electric products have been designed to protect against, as recognized by industry standards, include spikes and surges on AC power lines (not designed as protection against swells as defined by IEEE 1100-1992). Protection from telephone line transients applies only to APC by Schneider Electric products which offer telephone line protection, and in cases in which such protection is available, telephone service equipment must include a properly installed and operating "primary protection" device at the service entrance (such devices are normally added during telephone installation) in order to be covered for telephone line transients. Protection of CATV (Cable Television) connected equipment from transients applies only to APC by Schneider Electric products which offer such protection, and in such cases, the CATV service must be properly grounded according to the codes set forth in the National Electric Code (NEC) in order to be covered for CATV transients. Protection from network line transients applies only to APC by Schneider Electric products which offer network line protection.

This SEIT policy applies to APC by Schneider Electric ProtectNet products if the power line to the equipment it is protecting is using only APC by Schneider Electric products, with an applicable Equipment Protection Policy, to protect against power line transients. The coverage of the ProtectNet product will then be covered under the APC by Schneider Electric power protection product Equipment Protection Policy. This policy does not apply to APC by Schneider Electric ProtectNet products if used individually without APC by Schneider Electric AC power protection products.

SEIT reserves the right to determine whether the damage to the connected equipment is due to APC by Schneider Electric product failure by requesting that damaged equipment be sent to SEIT for inspection. This policy is in excess of, and applies only to the extent necessary beyond any coverage for the connected equipment provided by other sources, including, but not limited to, any manufacturer's warranty, and any extended warranty coverage.

### Equipment Protection Policy Dollar Limits

For customers that meet the qualifications and conditions set forth in this policy, SEIT will provide reimbursement (cost of repair or fair market value) up to the dollar amount listed at [http://www.apcc.com/support/service/equipment\\_protection\\_policy.cfm](http://www.apcc.com/support/service/equipment_protection_policy.cfm). You can also call at 1-800-800-4APC or fax us at 1-401-788-2743 to request this information.

### Eligibility for coverage under the Equipment Protection Policy:

1. You must register the product by returning to SEIT the warranty card provided with the product within 10 days of purchase. All information must be filled in, and you should retain a copy for your records. The warranty card must clearly identify the types of electronic equipment that will be plugged into the APC by Schneider Electric product for which protection under this policy is claimed. All connected equipment must be UL or CSA approved.
2. The APC by Schneider Electric product must be plugged into properly wired and grounded outlets; no extension cords, adapters, other ground wires, or electrical connections may be used, with the sole exception of other standard APC by Schneider Electric 120 volt products. The installation must not include power protection products made by any manufacturer other than APC by Schneider Electric. The installation must comply with all applicable electrical and safety codes set forth pursuant to the National Electrical Code (NEC).
3. Any claim under the Equipment Protection Policy must be made within 10 days of the date of alleged damage to the connected equipment.
4. The Equipment Protection Policy covers only standard APC by Schneider Electric 120 volt products used in the 50 US states, Canada, and Bermuda.

What is not covered under the Product Policy:

1. Restoration of lost data and reinstallation of software are not covered.
  2. This policy does not cover damage from a cause other than AC power line transients, except for damage due to telephone line, network or CATV transients, which is covered only if the APC by Schneider Electric product offers such protection.
- In addition, the following are expressly excluded from coverage:
3. Damage caused by failure to provide a suitable installation environment for the product (including, but not limited to, lack of a good electrical ground).
  4. Damage caused by the use of the APC by Schneider Electric product for purposes other than those for which it was designed.
  5. Damage caused by accidents, or disasters such as fire, flood, or wind.
  6. Damage caused by abuse, misuse, alteration, modification, or negligence.
  7. This policy is null and void if, in SEIT's view, the APC by Schneider Electric product has been tampered with or altered in any way.
  8. EXCEPT AS EXPRESSLY PROVIDED IN THIS POLICY, IN NO CASE SHALL SEIT BE LIABLE UNDER THE TERMS OF THIS POLICY FOR ANY DAMAGES WHATSOEVER, INCLUDING, BUT NOT LIMITED TO, DIRECT, INDIRECT, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR MULTIPLE DAMAGES ARISING OUT OF THE USE OF THE APC BY SCHNEIDER ELECTRIC PRODUCT OR DAMAGE TO THE CONNECTED EQUIPMENT, REGARDLESS OF THE LEGAL THEORY ON WHICH SUCH CLAIM IS BASED, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. SUCH DAMAGES INCLUDE, BUT ARE NOT LIMITED TO, LOSS OF PROFITS, LOSS OF SAVINGS OR REVENUE, LOSS OF USE OF THE APC BY Schneider Electric product OR THE CONNECTED EQUIPMENT OR ANY ASSOCIATED EQUIPMENT, LOSS OF SOFTWARE, COST OF CAPITAL, COST OF ANY SUBSTITUTE EQUIPMENT, FACILITIES OR SERVICES, LABOR, DOWNTIME, THE CLAIMS OF THIRD PARTIES, INCLUDING CUSTOMERS, AND INJURY TO PROPERTY.

### Submitting an Equipment Protection Policy Claim:

1. If all of the conditions for coverage are satisfied, call the SEIT customer service department at (800) 800-4APC and obtain an EPP RMA (Equipment Protection Policy Returned Material Authorization) number. SEIT will forward to you an Equipment Protection Policy claim form, which must be completed and filed within 30 days.
2. Mail the completed claim forms to: APC by Schneider Electric, Attention: Claims Department, 132 Fairgrounds Road, PO Box 278, West Kingston, RI 02892
3. Mark the Equipment Protection Policy RMA number on the APC by Schneider Electric product you are returning.
4. Pack the APC by Schneider Electric product in its original packaging (or request packing materials from SEIT if the packaging has been discarded). Mark the EPP RMA number clearly on the outside of box.
5. Ship the product (one way shipping charges paid by you) to: APC by Schneider Electric, 1600 Division Road, Dock 25, West Warwick, RI 02893, Attn: EPP RMA#
6. SEIT will evaluate the product to determine its level of functionality, and will examine the product for evidence of damage from AC power line transients (telephone line, network and CATV transients, if applicable). (A) If SEIT's evaluation provides no evidence of damage from power line transients (telephone line, network or CATV transients, if applicable), SEIT will send to the customer (I) a report summarizing the tests performed and (ii) a rejection of claim notice. (B) If the APC by Schneider Electric product shows evidence of damage from power line transients (telephone line, network or CATV transients, if applicable), SEIT will request that all connected equipment for which an Equipment Protection Policy claim has been submitted, be sent for evaluation to either SEIT or an authorized service center. If it is determined that the connected equipment has been damaged from AC power line transients (telephone line, network or CATV transients, if applicable), SEIT will, in its discretion, either authorize you to have the equipment repaired or reimburse you for the fair market value of the damaged equipment, up to the dollar limits stated above. Save the damaged connected equipment or all damaged parts.
7. If you are authorized by SEIT to have the connected equipment repaired, the repair must be performed at a service center that is authorized by the manufacturer of the connected equipment. SEIT reserves the right to contact the authorized service center directly to discuss repair costs and repair diagnosis, and damage to the connected equipment to determine if it was caused by AC power line transients (telephone line, network or CATV transients, if applicable) and the right to request that the service center forward the connected equipment or components of the connected equipment to SEIT for inspection.
8. SEIT will, after determining that the damage was caused by the failure of the APC by Schneider Electric product to protect against AC power line transients (telephone line, network or CATV transients, if applicable), issue payment to you, in its sole discretion, for either costs of repair or the fair market value of the connected equipment, up to the dollar limits stated above. SEIT reserves the right to require you to transfer title and deliver the connected equipment to SEIT if it chooses to reimburse you for the fair market value of the connected equipment.
9. Unless modified in a writing signed by SEIT and you, the terms of this policy are understood to be the complete and exclusive agreement between the parties, superseding all prior agreements, oral and written, and all other communications between the parties relating to the subject matter of this agreement. No employee of SEIT or any other party is authorized to make any representations beyond those made in this agreement concerning the Equipment Protection Policy.