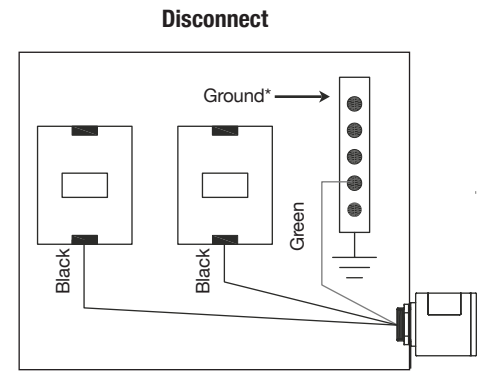
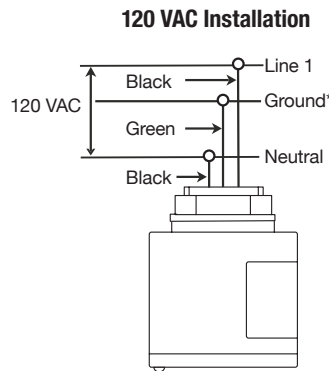
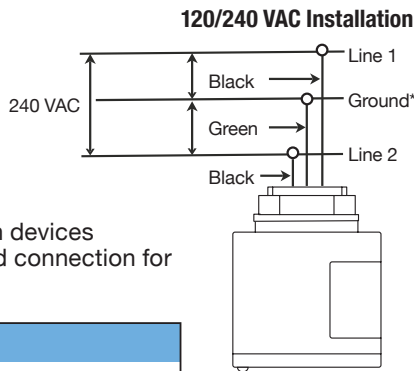


Installation Instructions

1. To assure proper installation measure the voltage on each phase and insure the correct device is installed.
2. Turn off power to circuit where surge protector is to be installed.
3. Mount device so as to keep conductor length as short as possible. Cut wires to shortest functional length and connect to circuit per wiring diagram (avoiding sharp bends or looping).
4. Reinstall covers, restore power and confirm diagnostic LED is illuminated.

Diagnostic Operation

- LED ON = Normal operation
- LED OFF = Fault, check voltage & connections. If OK, replace unit.



*All surge protection devices require good ground connection for effective operation

AC Network	
Nominal Voltage	120VAC
Max. Operating Voltage (MCOV)	150VAC
Max. Discharge Current (I _{max})	50kA

Technical Assistance Call: 703-687-4057

PSP Products Inc. | 8618 Phoenix Drive, Manassas, VA 20110
pspproducts.com | 703.687.4057 | sales@pspproducts.com

VA1-50-4XP Product Warranty

25 Year Product Coverage

PSP will, at its sole discretion, repair or replace any VA1-50-4XP Surge Protection Device (SPD) that is defective or is damaged by a transient electrical spike (including those caused by lightning) for the lifetime of the product from the date of installation by the original owner or owner of record of premises.

Down Line Coverage

PSP Products Inc will repair or replace (whichever is less) electrical appliances and electronics that are damaged by transient electrical spike in your home. Maximum coverage per household: \$500. Coverage is applicable only if the SPD was fully functional immediately prior to the claim event, and properly installed per the installation instructions. SPD must have sustained surge damage as a result of the claim event.

External items that are mounted outside of the house are covered under this warranty only if the surge is found to have originated from the main circuit panel due to SPD failure. It is highly recommended to install additional SPD's in order to best protect your outside appliances or devices. Electronic devices or appliances that are connected to phone lines, data lines, coax connections, cable, antennas, satellite receivers or any other external connections, must have an SPD for each connected device, otherwise coverage for any unprotected equipment will be excluded.

This warranty does not cover charges for diagnostic fees or any installation, service charges or shipping of damaged SPD to PSP. Damage claims must be made within 15 days of the occurrence and the damaged SPD returned to PSP within 15 days of the occurrence to return with the original purchase receipts of the items damaged. Returned damaged SPD require a Return Authorization (RA) to be assigned by PSP Products prior to receiving, as well as a completed PSP Claim Form. The damaged unit must be determined to have failed based on PSP's test procedures.

This coverage is secondary to any applicable warranties, service contracts and all other insurance if the claim is found to be valid, PSP Products Inc. will pay up to the deductible amount of the home owners insurance or the cost of the damage, whichever is less. The reimbursement is limited to \$100 per item. All of the above conditions must be met in order to have a valid claim.

The above coverage applies to the user only and is the exclusive remedy under this warranty, whether based on contract, tort, including negligence, or otherwise. PSP reserves the right to audit damage, site and/or cost of repairs and may require a notarized proof of loss. Claims must be made within 15 days of damage. This warranty does not cover damage associated with sustained over voltages, vandalism, theft, normal wear and tear, obsolescence, abuse, unauthorized modification or alteration, misuse, improper installation or catastrophic events including direct lightning hit. Except as expressly provided by this warranty, PSP disclaims liability for any incidental, indirect, special or consequential damages arising out of the sale or use of any PSP products (including without limitation: lost business profits, loss of data and all freight, mileage, travel time and insurance charges associated with warranty coverage claims). Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights and you may have other rights which vary from state to state. *This warranty is valid in the United States and Canada only.*

Caution: Effective surge suppression requires correct wiring. All surge protection devices must be properly grounded for the warranty to be honored.

Warranty Assistance Call 703-687-4057

PSP Products Inc. 8618 Phoenix Drive, Manassas VA 20110

Register Online at: www.pspproducts.com

VA1-50-4XP Product Warranty

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PSP will, at its sole discretion, repair or replace any VA1-50-4XP Surge Protection Device (SPD) that is defective or is damaged by a transient electrical spike (including those caused by lightning) for the lifetime of the product from the date of installation by the original owner or owner of record of premises.

Down Line Coverage

PSP Products Inc will repair or replace (whichever is less) electrical appliances and electronics that are damaged by transient electrical spike in your home. Maximum coverage per household: \$500. Coverage is applicable only if the SPD was fully functional immediately prior to the claim event, and properly installed per the installation instructions. SPD must have sustained surge damage as a result of the claim event.

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Caution: Effective surge suppression requires correct wiring. All surge protection devices must be properly grounded for the warranty to be honored.

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Register Online at: www.pspproducts.com



Vortex™ Series A VA1-50-4XP

120/240 Volts AC Type 1

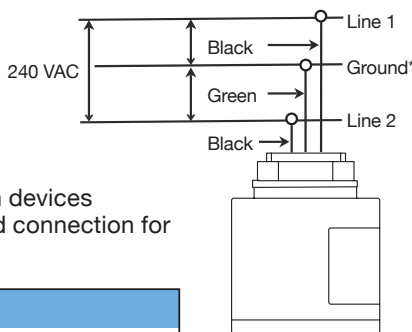
Installation Instructions

1. To assure proper installation measure the voltage on each phase and insure the correct device is installed.
2. Turn off power to circuit where surge protector is to be installed.
3. Mount device so as to keep conductor length as short as possible. Cut wires to shortest functional length and connect to circuit per wiring diagram (avoiding sharp bends or looping).
4. Reinstall covers, restore power and confirm diagnostic LED is illuminated.

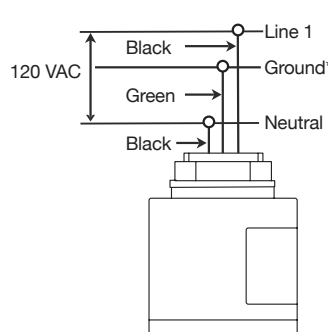
Diagnostic Operation

- LED ON = Normal operation
- LED OFF = Fault, check voltage & connections. If OK, replace unit.

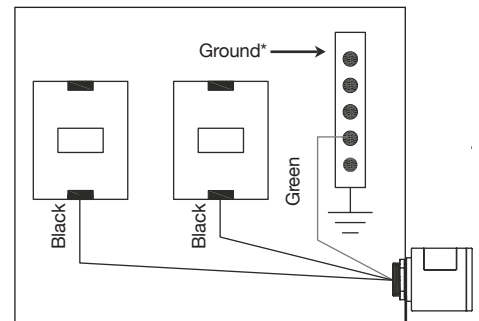
120/240 VAC Installation



120 VAC Installation



Disconnect



*All surge protection devices require good ground connection for effective operation

AC Network	
Nominal Voltage	120VAC
Max. Operating Voltage (MCOV)	150VAC
Max. Discharge Current (Imax)	50kA

Technical Assistance Call: 703-687-4057

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