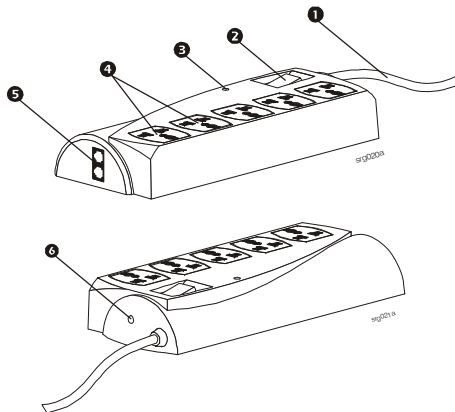


The SurgeArrest® supplies AC power to computers and other electronic equipment. The SurgeArrest is rated for 220 Vac, 50/60 Hz, and 10 A maximum.

Safety Precautions

- The SurgeArrest is intended for indoor use only. The internal components are not sealed from the environment.
- Do not install the SurgeArrest where there is excessive heat or humidity.
- Do not use extension cords with the SurgeArrest.
- Plug the SurgeArrest into a three wire, grounded receptacle only.
- Never install electrical wiring during a lightning storm.
- If the SurgeArrest is to be used for telephone protection, connect only standard two wire “dial up” telephone service.

Product Features



1	The AC power cable is designed for a three wire grounded system.
2	The On/Off POWER switch provides power control to all of the outlets and connected equipment such as computers, printers, terminals, etc.

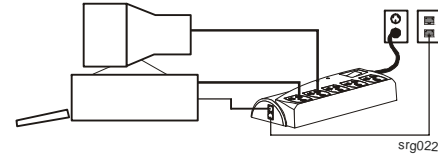
3	The Protection Working LED is normally illuminated green to indicate that the surge protector is on and ready to protect connected equipment. If the LED is not illuminated the surge suppression circuitry has been compromised. Contact APC using the information provided in this guide.
4	There are five Safety Outlets that are compatible with various plugs including those used in Continental Europe (CEE7/7 and CEE7/16), Australia (AS3112), the United Kingdom (BS11363), Japan (JIS 8303), and China (GB2099.1). Note: The rated current of each outlet should be 10 A or less.
5	<i>P5T-VN model only:</i> The one line (two wire) Telephone Protector/ Network Port Protector provides protection from phone line power surges. Note: Never connect an ISDN line to a SurgeArrest.
6	Each SurgeArrest is equipped with a 10 A circuit breaker to protect against electrical power overload. CIRCUIT BREAKER button will pop up in the event of an overload. Unplug at least one piece of equipment, and reset button.

Installation Instructions

1. Turn off the **POWER** switch. The switch lever marked with the “O” should be down.
2. Connect the AC power cable to a 220 Vac receptacle. It is highly recommended that a grounded receptacle be used. Refer to the manual addendum 990-4597 for details.
Note: The ungrounded surge protectors do not provide effective surge protection between line and ground. Check local electrical laws governing grounding practices.
3. Connect power cables of electrical equipment to be protected into the Outlets on the SurgeArrest.
4. For model P5T-VN, protect your telephone, fax machine, or modem by connecting the supplied telephone extension cord to the telephone jack on the wall and connecting the other end to the jack

marked In on the SurgeArrest. Connect the telephone equipment cord to the jack marked Out on the SurgeArrest.

5. Turn on the SurgeArrest power switch.
6. Turn on the connected equipment.



Wall Mounting the SurgeArrest

The SurgeArrest has two wall mount holes located on the bottom of the unit. The holes are designed to hook on to screw heads or nail heads. The spacing between the center of the screw holes is 11.43 cm. For best results, when fastening screws or nails into a wall, leave about 3.5 mm between the wall and the bottom flange of the screw or nail.

Warranty

The standard warranty is 10 years from the date of purchase. APC standard procedure is to replace the original unit with a factory reconditioned unit. Customers who must have the original unit back due to the assignment of asset tags and set depreciation schedules must declare such a need at first contact with an APC Technical Support representative. APC will ship the replacement unit once the defective unit has been received by the repair department, or cross-ship upon the receipt of a valid credit card number. The customer pays for shipping the unit to APC. APC pays ground freight transportation costs to ship the replacement unit to the customer.

APC Customer Support

Internet <http://www.apc.com/support>

Specifications

Unless otherwise stated, ratings are based on ambient temperature of 20°C.

Operating Temperature Range	0°C to 40°C
Operating Voltage	220 Vac (230 Vac nom.), 50/60 Hz
Operating Relative Humidity:	0 - 95% non-condensing

Contact APC for more detailed specifications.

AC Surge Performance Ratings

Parameter	Rating
EMI/RFI Noise Rejection (100 kHz to 10 MHz)	20-55 dB
Cat. A Normal Mode Let Through Voltage % of 6kV pulse	<10%
Total Energy Capacity	480J for P5-VN 611J for P5T-VN
Peak Surge Current (with 8x20 µs pulse) Normal Mode	19.5 kA
Peak Surge Current (with 8x20 µs pulse) Common Mode	19.5 kA

Telephone Protector Ratings

Parameter	Rating
Operating Voltage	260 VDC
Peak Surge Current (with 8x20 µs pulse) All Modes	4500 A
Number of Lines Protected	1
Connector Type	RJ11
Series Resistance	6 - 12 W