

Introduction

Thank you for purchasing APC's ProtectNet® Video protector (model PV). The ProtectNet was designed to protect the cable input to your video/cable modem equipment against surges and spikes caused by lightning and electrostatic discharge (ESD). The ProtectNet is compatible with cable television (CATV), digital satellite systems (DSS), television, video cassette recorder (VCR), cable modem and TV antenna equipment. It is also compatible with many satellite systems having operating voltages below 26 volts DC (direct current). The ProtectNet is listed by Underwriter's Laboratories (UL®) as an Antenna Discharge Unit (standard 1492).

Please take this time to fill out and return the enclosed warranty registration form, or use an on-line registration form on the internet at www.apc.com.

Installation

These instructions assume that you have a working cable/video system to which you are adding the ProtectNet.

Note: In all applications, APC recommends the use of an APC SurgeArrest® surge suppression device to protect sensitive electronics from transients that could enter through the AC power system in your home.

To install the ProtectNet unit, proceed as follows:

1. Switch off all equipment (1, Figure 1) to be protected and disconnect the coaxial cable from the equipment video/data input (3).
2. Connect the coaxial cable signal source (2) to the PV connector marked IN (4).
3. Connect the supplied coaxial cable (6) to the PV connector marked OUT (7).
4. Connect the other end of the supplied coaxial cable to the video/data input (3) of the equipment to be protected.
5. For 120-volt systems only, fasten the ground terminal (10) beneath the head of a wall outlet cover plate screw (9). Where possible, this should be the same outlet where the protected equipment is plugged in.

CAUTION: Disconnect power to the outlet by removing the branch fuse or switching off the circuit breaker before attempting to loosen the cover plate screw. Do not overtighten the screw. If you do not understand these instructions please contact a qualified electrician or APC Technical Support.

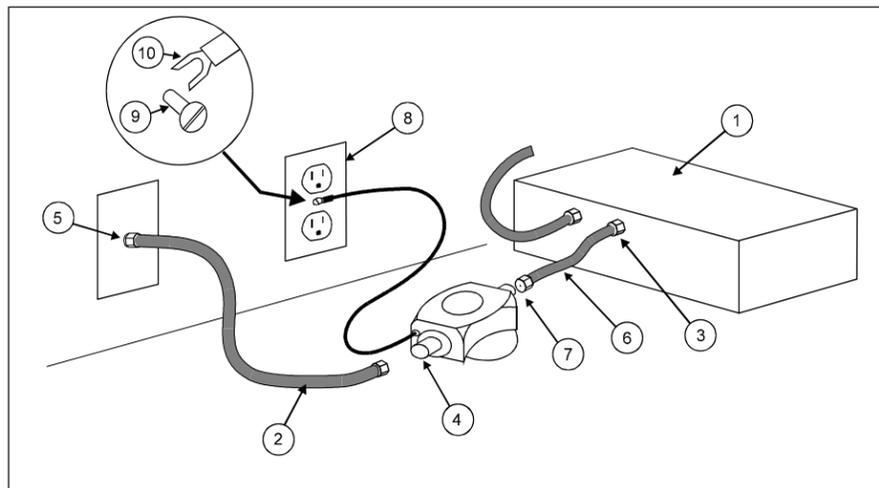


Figure 1. Typical Installation

For cable modem applications (Figure 2), if unsure of how to properly ground the ProtectNet, consult a qualified electrician or the cable modem provider for assistance.

For all other applications where the outlet screw plate is not conveniently located, consult a qualified electrician for assistance.

For DSS applications, be sure to follow the grounding recommendations of the satellite dish antenna manufacturer. Typically, the satellite dish antenna should be grounded to the same point as the AC power systems ground. This point is usually a ground rod installed near the electrical service entrance. If the satellite dish antenna is ungrounded and the satellite system is ungrounded, please refer to National Electrical Code for proper grounding or contact a licensed electrician.

Refer to Figure 3, which provides an example installation for CATV systems. A typical DSS system installation is shown in Figure 4.

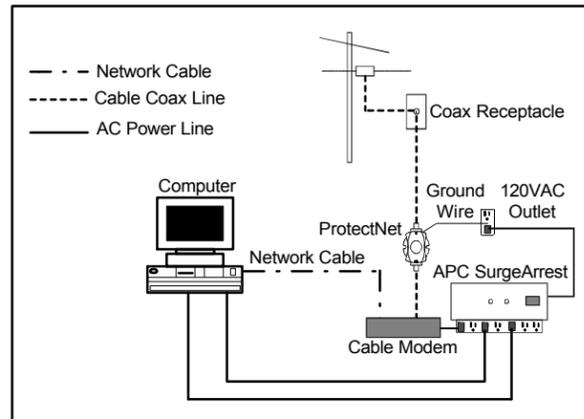


Figure 2. Typical Cable Modem Installation

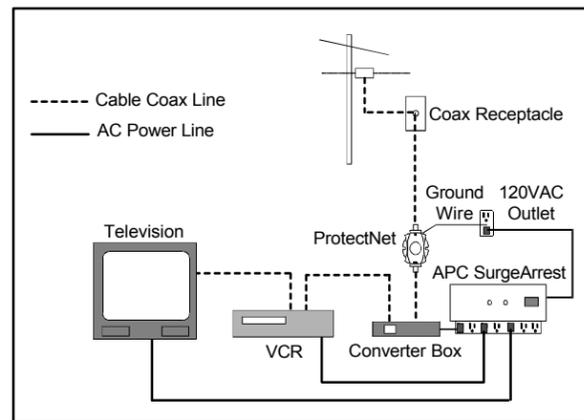


Figure 3. Typical CATV Installation

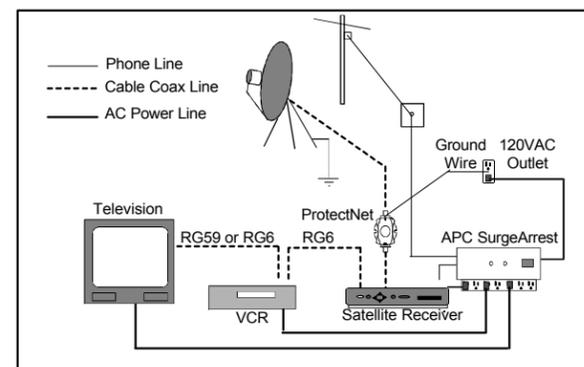


Figure 4. Typical DSS Installation

Specifications

Environment	0°C to 40°C (32°F to 104°F), indoor use only.
Minimum Breakover Voltage	27 Vdc
Maximum Operating Current	1.1 Amps
Typical Overcurrent Protection Trip Current	2.2 Amps typical, self resetting fuse
Typical Peak Surge Current Handling	400 Amps with 8/20µs test waveshape
Frequency Range	1 MHz through 1.45 GHz, compatible with Low Noise Blocks (LNBs) for C and Ku bands
Insertion Loss	0 dB to 3.0 dB over rated frequency range
Safety	Listed to UL standard 1492 as an Antenna Discharge Unit

Lifetime Guarantee

APC guarantees this product against defects in materials and workmanship for the life of the product. Should this product ever fail, contact APC Customer Service at the phone number or address below.

APC Contact Information



Internet	http://www.apc.com
Technical Support	http://www.apc.com/support
USA/Canada	1.800.800.4272
Worldwide	+1.401.789.5735
Fax	+1.401.789.3710

To have complete protection for your equipment, home or business, it is important to protect AC power lines and all data lines that the equipment is connected through. APC has several solutions:

APC SurgeArrest – High quality surge protectors for AC and data lines. Choose between 3, 7 or 8 power outlets. Various data line protection: Phone line, 10Base-T, 100Base-T and Token Ring. These units will insure that no power surge will damage protected equipment.

For additional security and data integrity, please consider:

BK350 or BK500 Back-UPS® Models – Back-UPS units instantly switch your computer to emergency battery backup power and allows you to work through brief power outages. They can also shut down your system in the event of an extended outage. High-performance surge suppression protects your computer from electrical noise and damaging power surges - even lightning.

To protect high performance computers, please consider:

BP350UC or BP500UC Back-UPS Pro® – These high-performance backup units are uniquely designed to improve productivity by ensuring that your computer, internet connection, and all of your peripherals are protected with high-performance surge suppression and intelligent battery backup. APC's Back-UPS Pro continuously conditions the power coming into your computer, and instantly switches your computer to emergency battery backup power during brief power outages without data loss or downtime.

For protection at the source of most power surge problems, please consider:

SurgeArrest PM Series PanelMount Surge Suppression Devices (SPDs) – Available for residential, commercial and light industrial applications, these units provide optimum protection from transients (power surges) that may enter a home or building at the AC service entrance (breaker panel). Commercial and industrial units have an optional Web Card which allows the user to monitor the status of the SPD remotely over the internet.

APC manufactures battery backup and surge protection equipment for use in large-scale applications, as well as protection for DC systems, portable cooling equipment, and cables. See the entire product line at www.apc.com.