

What every home owner should know

Surge protection saves you money

Surges happen all the time. When one goes through your home, expensive electrical equipment can be damaged. Replacing that equipment will likely take time and a lot of money; save this time and money by installing surge protective devices.

Surges enter your home in three ways

1. The Electrical System

Externally and internally created surges are common. Without proper protection, these surges can be distributed throughout the home and damage connected electrical devices.

2. The Telephone System

Surges generated externally can carry through telephone lines and damage computers, answering machines and telephones.

3. Coaxial Cable or Satellite TV System

Surges generated externally can transmit through coaxial cable, TV receivers and satellite TV systems, damaging high-speed internet modems, routers, computers and televisions.

The best protection from surges requires a cascading approach

Cascading surge protection means that as a surge travels through your home, there are many places where the surge can be eliminated or reduced. It also means that if the surge is reduced, the next level of protection will eliminate or reduce it further.

Placing surge protective devices at your service entrance, in your breaker panel, and at point-of-use is your best and safest way to prevent damage from surges.

Product information



Whole house protection
Power, television and telephone protection

	Catalog No.	UPC-A
Indoor	SDSB1175C	7-85901-30713-6
Outdoor	SDSB1175R	7-85901-30714-3

For more information call 888-SQUARED or your licensed electrical installer

Surge arresters

Power protection at the circuit breaker load center

	Catalog No.	UPC-A
QO Load Center	QO2175SB	7-85901-21089-4
Homeline Load Center	HOM2175SB	7-85901-21090-0
Other Load Centers	SDSA1175	7-85901-21088-7

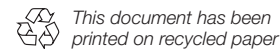
For more information call 888-SQUARED or your licensed electrical installer



Point of use protection
APC plug-in surge protectors and electrical outlets

	Catalog No.
APC Battery Backup	BE750G
APC Audio-Video	BS15BLK
APC Personal Surge	P8VT3

For more information call 888-289-APCC



Schneider Electric - North American Operating Division

1415 S. Roselle Road
Palatine, IL 60067
Tel: 847-397-2600
Fax: 847-925-7500
www.schneider-electric.us

Protecting Your Possessions from Power Surges



Make the most of your energySM



Each year it is estimated that lightning causes

\$4-5 billion in damage.

Source: National Severe Storms Laboratory at the National Oceanic and Atmospheric Administration, United States Department of Commerce



What can I do to protect my investment?

Protecting your home's expensive electrical possessions requires a cascading approach to surge protection that also addresses the many paths through which surges can enter your home.

Stage 1

Use a Square D® brand whole house surge device at your home's breaker load center to suppress the initial surge and also cover surge paths to your appliances, electronics and telephone lines.

Stage 2

Use Square D brand surge devices in your home's breaker load center to further reduce or eliminate surges within the home.

Stage 3

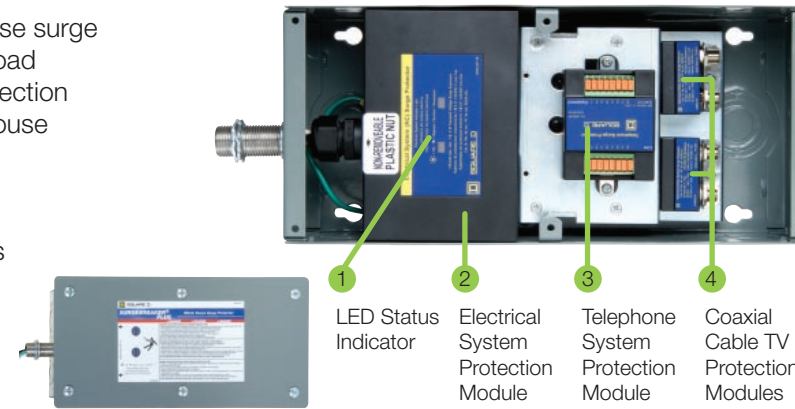
Use APC® brand plug-in surge protectors at the point-of-use where your devices connect to electrical outlets.

Surges don't always act in predictable ways. Plug-in surge protectors are designed to protect from smaller surges, but may not be able to protect from larger spikes. Surges come from many sources: the power grid, lightning and even from devices inside your home. The best protection from large surges originating from different sources is a cascading, multi path system that saves you valuable time and money from replacement costs.

Stage 1: Whole house protection

The Square D Surgebreaker® Plus™ whole house surge device installs between your utility meter and load center (as pictured below) and is rated for protection up to 80,000 A from external surges. Whole house protection is ideal for safeguarding:

- Advanced lighting systems
- Televisions and home entertainment systems
- Computers and video game systems
- Telephone and coaxial cable lines
- Appliances such as refrigerators, dishwashers and ovens



Stage 2: In home protection

The Square D Surgebreaker Surge Arrester for both QO® and Homeline® Load Centers is a plug-in unit, which installs as easily as a standard circuit breaker, is rated for protection up to 40,000 A, and provides a LED status indicator for easy operational identification. (Pictured below as A).

The Square D Surgebreaker Secondary Surge Arrester is hard-wired into your home's load center and is designed for protection against lightning and high current surges up to 40,000 A. This device has a response time of less than 50 nanoseconds and also provides a LED status indicator. (Pictured below as B).

Stage 3: Point-of-use protection

The APC brand provides point-of-use protection through plug-strip surge suppressors to protect computers and electronic equipment throughout your home. (Pictured below as C).



- A Square D QO and Homeline Surgebreaker Surge Arresters (Stage 2)
- B Square D Hard-Wired Surgebreaker Secondary Surge Arrester (Stage 2)
- C APC SurgeArrest Surge Protector (Stage 3)

\$50,000 warranty

The industry-leading Schneider Electric warranty provides five-year, \$50,000 protection for surge damage to appliances and electronics in homes that use a Square D Surgebreaker Plus whole house surge device. See full warranty for details.