

The Rack and The Fast Rack Series



**Protect your expensive communications
equipment from data line surges.**

FEATURES

- Modular ports are hot-swappable. Swap out lines without affecting other ports.
- Guards against static electricity, overvoltages, and surges.
- Provides convenient front input/output access.
- Modular nodes are self-resetting.
- Use the The Rack Series for 10BASE-T, RS-232, Token Ring, or leased-line (T1 and ISDN) applications.
- Choose The Fast Rack Series for ATM, Fast Ethernet (100BASE-T), CDDI, ATM155, or other 100-MHz applications.

OVERVIEW

Transient surges can enter electronic equipment through any pathway provided. Even if you're using a reliable AC power protector, transient surge energies generated within a building by sources such as inductive load switching, ground-loop currents and electrostatic discharge are clamped by the power protector into the communication ground, damaging your expensive communications hardware. That's why you need the extra protection the Rack Series provides.

These protectors are specifically designed to give added security to electronic devices with extremely low tolerance for voltage rises, static electricity, or ground loops.

For every application, there's a rack that's right for you. 7.5-volt models work in 10BASE-T, RS-422, RS-423, or RS-485 applications. 18-volt models work with Token Ring, RS-232, and digital 4–20 mA Current Loop. 240-volt models are for dialup voice, modem, and fax lines. And for Fast Ethernet, ATM, or another 100-Mbps application, you'll need a Fast Rack.

Typical installations require one protector at the end of each data line. Once you install the racks, you have maximum protection.

These modules were designed to reset themselves after protecting your equipment from a surge. In the unlikely event of a surge greater than the module's maximum rating, however, the module will burn itself out rather than allow any damage to your communication port.

TECH SPECS

Peak Pulse Current — 7.5-volt models: 132 amps;
18-volt models: 60 amps;
240-volt models: 75 amps

Response Time — <5 ns

Standard Clamp Time — SP820A-R2, SP825A, SP855A: 18 volts;
SP830A-R2, SP835A, SP865A: 240 volts;
SP815A, SP845A, SP870A-R2, SP875A: 7.5 volts

Wires Protected — 7.5- and 18-volt models: All;
240-volt models: Center wires only

Connectors — (16) or (32) RJ-45

Size — SP820A R2, SP830A-R2, SP870A-R2: 3.5"H x 19"W x 0.8"D
(8.9 x 48.3 x 2 cm);

SP815A, SP825A, SP835A: 1.7"H x 19"W x 5.6"D (4.3 x 48.3 x 14.2 cm);

SP845A, SP855A, SP865A: 3.5"H x 19"W x 5.8"D (8.9 x 48.3 x 14.7 cm);

SP875A: 1.8"H x 19"W x 5.8"D (4.6 x 48.3 x 14.7 cm)

Weight —

16-port models: 1.6 lb. (0.7 kg);

32-port models: 3.2 lb. (1.5 kg)

Item	Code
The Rack Series	
16-Port Rackmount	
18 Volts	SP820A-R2
240 Volts	SP830A-R2
16-Port Wallmount	
7.5 Volts	SP815A
18 Volts	SP825A
240 Volts	SP835A
32-Port Wallmount	
7.5 Volts	SP845A
18 Volts	SP855A
240 Volts	SP865A
The Fast Rack Series	
16-Port Rackmount, 7.5 Volts	SP870A-R2
16-Port Wallmount, 7.5 Volts	SP875A