

**Transient Voltage
Surge Suppressors By:**

Data Unit

SIP SERIES

Energy Control Systems
Fort Worth, Texas U.S.A.



"Power Quality is Our Only Business"

P.O. Box 330607
Ft. Worth, TX 76163
Phone: 817.483.8497
Fax: 817.572.2242
www.sinetamer.com

Ideal for Subminiature D Communication Ports

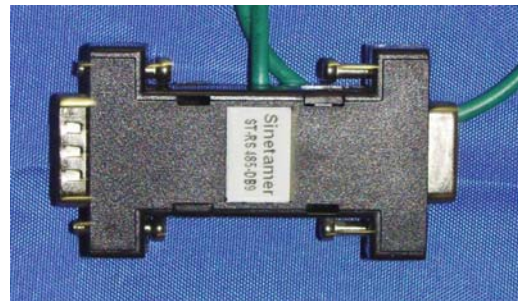
The SIP Series of Subminiature D interface protectors ensures the reliable operation of parallel and serial devices such as printers, and external modems, point-of-sale terminals, mainframes, dumb terminals and most other devices using Subminiature D or Centronics connectors, which are sensitive to destructive transient energies. Standard applications include Ethernet, Token Ring, RS232, RS422 and LAN/WAN interfaces. Special applications can be accommodated through our Custom Products Group.

SIPs OFFER

- . • State-of-the-art, avalanche diode technology
- . • Compact in-line installation
- . • High speed, high energy handling capability
- . • Low shunt capacitance to reduce signal loss

YOU BENEFIT WITH

- . • Affordable, superior, equipment protection
- . • Improved reliability and maximized uptime
- . • Protection at the interface card
- . • Adaptability to most industry applications



Transient surges can enter electronic equipment through any pathway provided and damage expensive communications hardware. If a facility has a reliable AC power protection system in place, transient surge energies can still be generated within a building by sources such as inductive load switching, ground loop currents and electrostatic discharge. SIP Series protectors combine compact enclosures with extremely fast response times of less than 5 nanoseconds. They are specifically designed to give added security to electronic devices sensitive to voltage rises or ground loop energies and have been particularly effective in areas prone to lightning activity. Standard Centronics and Subminiature D (9,15, & 25 pin) interface connectors are available in configurations protecting all pins or specific pins as required. All these features make the SIP protectors the most cost effective and versatile devices of their kind available today.

ORDERING INFORMATION

To order a SIP, choose the connector type depicted above that accommodates the system application to be protected.

INSTALLATION

To install, insert the protector in series between the incoming communication lines and the I/O port of the equipment to be protected. The protector ground wire must be connected to the metal chassis of the equipment being protected. Units should be installed at both ends of the data cable for the most effective protection.

CAUTION!

Ground wire must be grounded directly to the metal chassis of the equipment being protected. The equipment chassis must be connected to earth through a properly grounded AC power receptacle.

WARRANTY

- 5 Year Replacement Program

SYSTEM APPLICATION AND MODEL NUMBER

	RS422/RS485/RS232
STD. CLAMP VOLTAGE	18 VOLTS
PEAK PULSE CURRENT	70 AMPS
Maximum Shunt Capacitance	< 30 pF
Response Time	< 5 Nanoseconds
Model	ST-RS485-DB9
Model	ST-RS232-DB9