

AC-SRSP1000

Sunix RSP1000 RS-232 Surge Protector

Product Overview

Sunix RSP1000 serial/RS232 surge protector - prevent RS-232 electrical equipment from power surges and spikes



Specifications

About this product

The Sunix RSP1000 RS-232 Surge Protector is designed to protect serial communication equipment from damaging power surges and voltage spikes. Featuring high speed avalanche-diode technology, built-in 600W peak surge protection on each RS-232 signal line, and an ultra-fast response time of less than 1ns, it helps safeguard industrial, commercial, and networking equipment. Buy now from our website for reliable RS-232 surge protection with quick delivery in South Africa.

Overview Summary

Sunix RSP1000 RS-232 Surge Protector

The Sunix RSP1000 is a dedicated RS-232 surge protector that helps prevent damage to serial communication devices caused by electrical surges, lightning induced transients, and voltage spikes. Designed for professional installations, it provides protection for every RS-232 signal line while maintaining reliable data communication.

Built with sensitive avalanche-diode protection technology and an integrated PTC thermal fuse, the RSP1000 disconnects damaged surge circuitry to prevent additional electrical damage. Its compact ABS housing, DB9 male and female connectors, and included ground wire make installation quick and convenient for industrial control systems, POS equipment, automation systems, and networking devices.

Performance tier: Professional Industrial Protection

Uses: RS-232 devices, industrial automation, POS systems, PLC equipment, serial communication equipment, networking equipment, control systems.

Overview

SUNIX RS-232 Surge Protector is an appliance designed to prevent damage to your electrical equipment from power surges and spikes. It contains avalanche diodes, one for each line. All diodes are returned to a ground stud. SUNIX RS-232 Surge Protector is provided with a 2-foot ground wire and has male and female DB9 connectors.

SUNIX RS-232 Surge Protector built-in PTC thermal fuse ensure instantaneous reaction to lightning strikes and wiring faults. If the surge components are damaged due to power spike or over voltage, excess power can not reach your equipment. Unlike the SUNIX RS-232 Surge Protector, most surge suppressors continue to let power through even after circuits have been damaged, leaving your equipment exposed to other damaging surges.

SUNIX RS-232 Surge Protector's fail safe, which means that once the circuit of an SUNIX RS-232 Surge Protector has been compromised the unit disconnects equipment from the power supply ensuring that no damaging surges reach your equipment. SUNIX RS-232 Surge Protector is a cost-efficient solution to the problem of potential equipment damage from induced transients on RS-232 COM ports of PC or laptops/notebook.

Description

The Sunix RSP1000 is engineered to provide dependable surge protection for RS-232 serial communication equipment operating in environments where electrical disturbances may occur. It protects connected equipment from voltage spikes caused by lightning, switching events, and other transient electrical conditions that can damage sensitive serial interfaces.

Each RS-232 signal line is protected by dedicated 600W peak surge protection using avalanche-diode technology, providing rapid response in less than 1ns. An integrated PTC thermal fuse offers additional fail-safe protection by disconnecting the circuit if the protection components become compromised, helping prevent further damage to connected equipment.

The compact ABS enclosure features DB9 male and DB9 female connectors for simple inline installation without modifying existing cabling. A 600mm grounding wire allows proper connection to earth ground for maximum protection, making the RSP1000 suitable for industrial automation, security systems, laboratory equipment, manufacturing environments, and commercial serial communication applications.

Features

The Sunix RSP1000 provides reliable protection for valuable RS-232 communication equipment while maintaining stable serial communications.

- Protects RS-232 equipment from power surges and voltage spikes.
- Avalanche-diode surge protection technology.
- 600W peak surge protection on every RS-232 signal line.
- Ultra-fast response time of less than 1ns.
- Maximum peak pulse current of 14A per protected line.
- Maximum clamping voltage of 42V per line.
- Integrated PTC thermal fuse for fail-safe protection.
- DB9 male and DB9 female connectors.
- 600mm grounding wire included.
- Compact ABS enclosure.
- Supports all standard RS-232 signal lines.
- Suitable for industrial and commercial applications.

What's in the Box

- 1 x Sunix RSP1000 RS-232 Surge Protector
- 1 x 600mm Ground Wire
- 1 x User Manual

Specifications

Communication

ComX Computers

Product Specification Sheet

Mode	RS-232
Connector	DB9 Male and Female at each side
Surge Protection and Filtering	
NM Surge Response Time	1ns
Peal Pulse Current	14 amps / per line (Maximum)
Clamping Voltage	42 voltages / per line (Maximum)
Data Lines Protected	RS-232 Signal
	TxD, RxD, RTS, CTS, DTR, DSR, DCD, GND, RI
Mechanical	
Dimension	75 (W) x 40 (D) x 22 (H) mm
Ground Wire Cable Length	600mm / 2 ft
Material	ABS
Weight	85g
Environment	
Operating Temperature	0 to 60 degreesC (32 to 140 degreesF)
Operating Humidity	-5 to 95% RH
Storage Temperature	-20 to 85 degreesC (-4 to 185 degreesF)
Approval	
Approval	RoHS, CE, FCC ClassB

FAQ

What does the Sunix RSP1000 protect?

The Sunix RSP1000 protects RS-232 serial communication equipment from electrical surges, transient voltage spikes, and lightning induced electrical events.

Which devices are compatible with the RSP1000?

It is compatible with equipment that uses a standard DB9 RS-232 serial interface, including industrial controllers, PLCs, POS systems, laboratory equipment, communication devices, and networking hardware.

Does the RSP1000 affect RS-232 communication performance?

No. The device is designed to protect RS-232 signal lines while allowing normal serial communication during standard operation.

Does the surge protector include a grounding connection?

Yes. The RSP1000 includes a 600mm grounding wire that should be connected to a suitable earth ground for effective surge protection.

Is the Sunix RSP1000 suitable for industrial environments?

Yes. Its fast response time, dedicated protection on every signal line, and fail-safe PTC thermal fuse make it suitable for industrial, commercial, and professional serial communication applications.

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page: <https://www.comx.co.za/AC-SRSP1000-Sunix-RSP1000-serial-RS232-surge-protector-Buy-p-74571.php>

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