RS-232 Surge Protector

Introduction

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. RS-232 Surge Protector is provided with a 2-foot ground wire and has male and female Db9 Connectors.

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 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. RS-232 Surge Protector's fail safe, which means that once the circuit of an RS-232 Surge Protector has been compromised the unit disconnects equipment from the power supply ensuring that no damaging surges reach your equipment.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.

Features

- Prevent your RS-232 electrical equipment from power surges and spikes.
- Extremely sensitive avalanche-diode technology.
- Each RS-232 data signal line built-in 600 Watt Peak Surge protectors.
- Maximum peal pulse current up to 14 amps / per line.
- Maximum clamping voltage up to 42 voltages / per line.
- Response time is less than 1.0 ns.
- Absolute network reliability.
- Simple installation at the port.

Specification

Communication

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)

Machanical

Dimension	75(W) x 40(D) x 22(H) mm
Ground Wire Cable	600mm / 2ft
Material	ABS
Weight	85g

Machanical

Operation Temperature	-0 to 60℃ (32 to 140℉)
Operation Humidity	-5 to 95% RH
Storage Temperature	-20 to 85°C (-4 to 185°F)

Approval

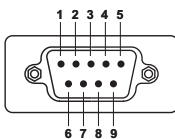| Approval	RoHS, CE, FCC, ClassB

Package List

Please check if the following items are present and in good condition upon opening your package. Contact your vendor if any item is damaged or missing.

- RS-232 Surge Protector
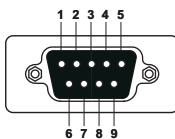- Quick Installation Guide (this document)
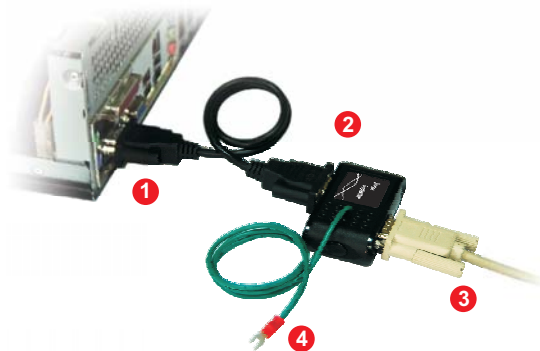- DB9 Male to DB9 Female Cable

Pin Assignment

DB9 Male

1 2 3 4 5
6 7 8 9

DB9 Female

1 2 3 4 5
6 7 8 9

PIN	Serial		Serial	PIN
1	DCD	←→	DCD	1
2	RxD	←→	RxD	2
3	TxD	←→	TxD	3
4	DTR	←→	DTR	4
5	GND	←→	GND	5
6	DSR	←→	DSR	6
7	RTS	←→	RTS	7
8	CTS	←→	CTS	8
9	RI	←→	RI	9

Hardware Guide

① Shield Ground Cable
② DB9 Male Connector
③ DB9 Female Connector

Hardware Installation Guide

① DB9 Female connector connects with host side.
② DB9 Male Connector connects with RS-232 Surge Protector.
③ Connecting your RS-232(Serial) Device.
④ Please connect the Shield Ground Cable to the GROUND