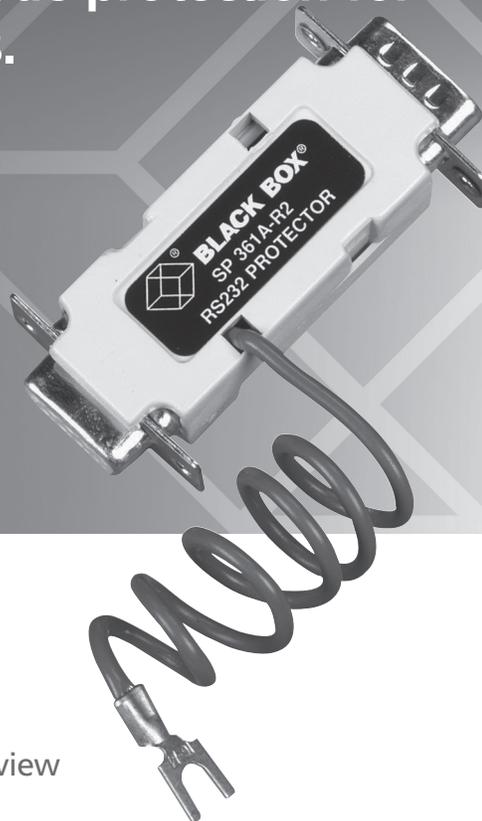




## In-Line Surge Protector, RS-232 (DB9 9-Wire)

# Get convenient avalanche diode protection for your RS-232 DB9 connections.

Put avalanche diode technology where you need it.



### Specifications

**Application:** RS-232  
**Ground Wire:** Yes  
**Maximum Shunt Capacitance:** <30 pF  
**Peak Pulse Current:** 60 amps  
**Pins Protected:** All  
**Protection Type:** Avalanche diode technology  
**Response Time:** <5 ns  
**Series Resistance:** None  
**Standard Clamping Voltage:** 18 volts  
**Connectors:** (1) DB9 M, (1) DB9 F

### Overview

The SP361A-R2 DB9 Surge Protector is a bipolar device (protects against positive or negative surges) that guards against induced transient or surge energies caused by nearby AC power lines, lightning strikes, and static discharge.

### What's included

- In-Line Surge Protector
- Specification sheet

For installation instructions, turn this page over...

### Customer Support Information

Order toll-free in the U.S.: Call 877-877-BBOX (outside U.S. call 724-746-5500)  
 FREE technical support 24 hours a day, 7 days a week: Call 724-746-5500 or fax 724-746-0746  
 Mailing address: Black Box Corporation, 1000 Park Drive, Lawrence, PA 15055-1018  
 Web site: [www.blackbox.com](http://www.blackbox.com) • E-mail: [info@blackbox.com](mailto:info@blackbox.com)

## Installation Steps

1. Disconnect the cable from the equipment's serial port.
2. Connect the surge protector to the equipment's serial port.
3. Connect the ground wire to the equipment chassis.
4. Reconnect the communications cable to the surge protector.



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SP361A-R2, rev.1

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