

**Model: 232DSP**  
**RS-232 Surge Protector** CE

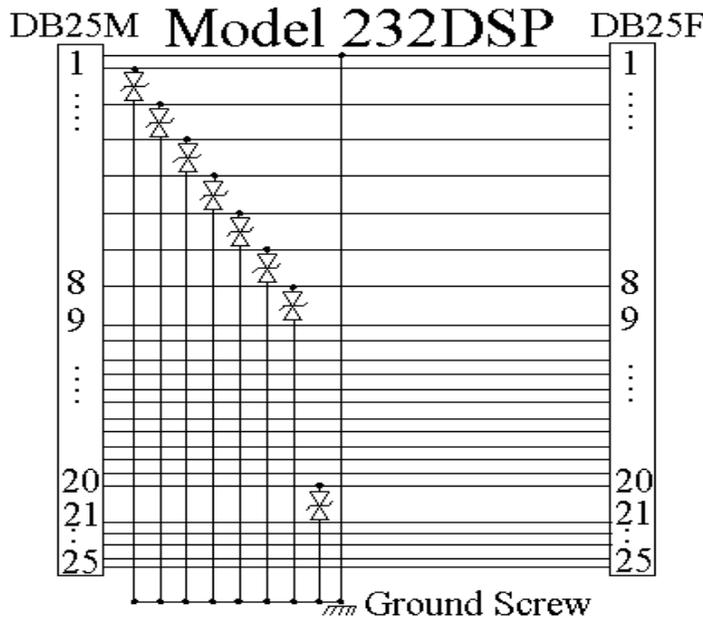
**Overview**

B&B Electronics' Model 232DSP protects RS-232 ports from damage caused by large voltage peaks from lightning and other power problems. The Surge Protector uses 600W Transient Voltage Suppressors to protect pins 2 through 8 and pin 20. It has one DB-25 male and one DB-25 female connector with all 25 pins passing straight through. The TVSs are connected between the ground screw and pins 2,3,4,5,6,7,8, and 20. The 232DSP will suppress any voltage levels above 12 volts without affecting the normal RS-232 data.

The 232DSP is placed inline, between the data cable and the RS-232 port, as close to the protected port as possible. The ground screw must be connected to earth ground. A minimum of 12 AWG copper wire is recommended. B&B's Model CU15B is 1.5 x 0.016 in (38 x .25 mm) copper cut to length for ground connections that are longer than a few feet (one meter). If this device is not properly grounded it will not protect RS-232 lines.

**Specifications**

Clamping Voltage: 12 volts  
Peak Pulse Power: 600 watts @ 1 msec.  
Response Time: less than 1 picosecond  
Typical Capacitance: 200 picofarads  
Ground Screw: size 10#



**DECLARATION OF CONFORMITY**

Manufacturer's Name: B&B Electronics Manufacturing Company  
Manufacturer's Address: P.O. Box 1040  
707 Dayton Road  
Ottawa, IL 61350 USA  
Model Number: 232DSP  
Description: RS-232 Surge Protector  
Type: Light industrial ITE equipment  
Application of Council Directive: 89/336/EEC  
Standards: EN 50082-1  
EN 61000 (-4-2, -4-3, -4-4, -4-6)

William H. Franklin III, Director of Engineering

International Headquarters:

**B&B Electronics Mfg. Co.** 707 Dayton Road P.O. Box 1040 Ottawa, IL 61350 USA  
815-433-5100 Fax 433-5104 [www.bb-elec.com](http://www.bb-elec.com) [orders@bb-elec.com](mailto:orders@bb-elec.com) [support@bb-elec.com](mailto:support@bb-elec.com)

**B&B Electronics Ltd** Westlink Commercial Park Oranmore Co. Galway Ireland  
+353 91 792444 Fax +353 91 792445 [www.bb-europe.com](http://www.bb-europe.com) [orders@bb-elec.com](mailto:orders@bb-elec.com) [support@bb-europe.com](mailto:support@bb-europe.com)