

## **LIFETIME LIMITED WARRANTY**

Seller warrants this product, if used in accordance with all applicable instructions, to be free from original defects in material and workmanship for its lifetime. If the product should prove defective in material or workmanship within that period, Seller will repair or replace the product, in its sole discretion. Service under this Warranty can only be obtained by your delivering or shipping the product (with all shipping or delivery charges prepaid) to: Tripp Lite, 418 W. Illinois, Chicago, IL 60610. Seller will pay return shipping charges. Call Tripp Lite at (312) 755-5401 before sending any equipment back for repair.

THIS WARRANTY DOES NOT APPLY TO NORMAL WEAR OR TO DAMAGE RESULTING FROM ACCIDENT, MISUSE, ABUSE OR NEGLIGENCE. SELLER MAKES NO EXPRESS WARRANTIES OTHER THAN THE WARRANTY EXPRESSLY SET FORTH HEREIN. EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, ALL IMPLIED WARRANTIES, INCLUDING ALL WARRANTIES OF MERCHANTABILITY OR FITNESS, ARE LIMITED IN DURATION TO THE WARRANTY PERIOD SET FORTH ABOVE; AND THIS WARRANTY EXPRESSLY EXCLUDES ALL INCIDENTAL AND CONSEQUENTIAL DAMAGES. (Some states do not allow limitations on how long an implied warranty lasts, and some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you. This Warranty gives you specific legal rights, and you may have other rights which vary from jurisdiction to jurisdiction).

**Tripp Lite**  
500 N. Orleans  
Chicago, IL 60610

**WARNING:** The individual user should take care to determine prior to use whether this device is suitable, adequate or safe for the use intended. Since individual applications are subject to great variation, the manufacturer makes no representation or warranty as to the suitability or fitness of these devices for any specific application.

Policy of Tripp Lite is one of continuous improvement. Specifications are subject to change without notice.



## **DataShield** **Data & Communication Line** **Surge Suppressors**



DataShield data/communication line surge suppressors are designed to protect data and communications equipment against AC transients caused by lightning, electrostatic discharge and ground surges that enter equipment from the signal lines or chassis ground.

DataShield surge suppressors described here protect virtually any networked equipment using 10 base-T, 10 base-2 and 10 base-5 Ethernet, Token Ring, RS232, RS422/423/485, dial-up modems, fax, T-1 lines and most other communication interfaces.

### **Installation**

To install the DataShield surge suppressor, follow these steps:

1. Make sure the computer, network device or other equipment is logged OFF the network (if applicable). Turn OFF power to the equipment.
2. Disconnect the cable from the equipment to be protected.
3. Connect the DataShield surge suppressor directly to the equipment.
4. Attach the green ground wire on the surge suppressor directly to the protected equipment's chassis: (DataShield surge suppressors with "D" style connectors do not provide or require this external grounding).
5. Reconnect the cable to the DataShield surge suppressor.

### **NOTE!**

The DataShield surge suppressor must be properly grounded and positioned as close as possible to the equipment to be protected. For best results, it is required that the length of the signal line and ground wire (if equipped) *between* the surge suppressor and the protected equipment be kept as short as possible, not to exceed 12 inches (12"). It is best to install the surge suppressor directly to the equipment, as noted above.

### **NOTE!**

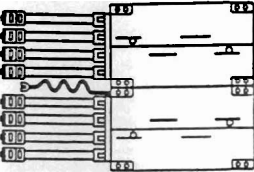
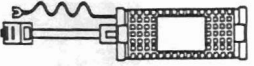
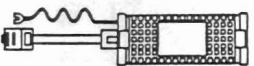
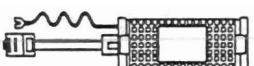
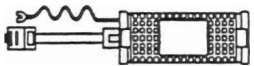
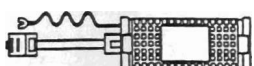
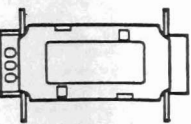
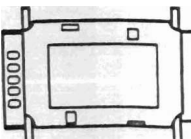
A single DataShield surge suppressor is equivalent to approximately three feet (3') of typical data communication cable.

### **⚠ CAUTION!**

When properly installed, the DataShield surge suppressor will protect against surges on the dataline portion of your installation. Additional AC surge suppression/power protection in the form of an ISOBAR® surge suppressor or Tripp Lite UPS system is strongly recommended for complete system/network protection. Contact Tripp Lite Customer Service at (312) 755-5401 for more information.

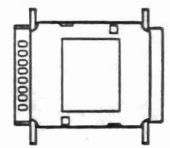
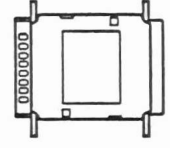
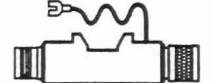
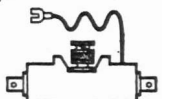
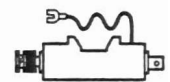
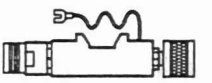

## Specifications

All surge suppressors listed have component response times of less than 1 picosecond

Model:	Description:	Nominal Breakover Voltage:	Peak Pulse Current:
<b>DHUB</b> 	RJ45, 8-port ethernet, token ring RS422/423/485, AS400/Sys3x protector for hubs, repeaters, terminal servers, MUXs, MAUs, etc.	7.5 volts, protecting wires 1-8	750 amps
<b>DRS232</b> 	RJ 45 protector for RS232 on twisted pair (wires 1-8). Supplied with 4" RJ45 patch cable.	18 volts, protecting wires 1-8	340 amps
<b>D10BT</b> 	RJ45 ethernet, AS400/Sys3x protector for NICs, hubs and routers, etc. Supplied with 4" RJ45 patch cable.	7.5 volts, protecting wires 1,2,3,6	750 amps
<b>DTKNRNG</b> 	RJ45 tokenring protector for AS400/Sys3x, NICs, maus, repeaters, terminals, etc. Supplied with 4" RJ45 patch cable.	7.5 volts, protecting wires 3,4,5,6	750 amps
<b>DSUT1CSU</b> 	RJ45 protector for nonspan powered T-1 equipment and digital data service CSUs/DsUs. Supplied with 4" RJ45 patch cable.	60 volts, protecting wires 1-8	200 amps
<b>DTEL2</b> 	RJ45/RJ11 dial-up protector for modems, answering and fax machines. Supplied with 4" RJ11 patch cable.	260 volts, protecting center 4 wires (2 CO-lines)	250 amps
<b>DB9</b> 	Serial DB9 RS232 protector for male or female ports of data terminal and computing equipment including PCs, modems, etc. (any male or female 9 pin port).	18 volts, protecting pins 1-9 and chassis	340 amps
<b>DB15AUI</b> 	DB15 ethernet AUI protector.	7.5 and 18 volts, protecting all IEEE 802.3 pins	750 amps

## Specifications

All surge suppressors listed have component response times of less than 1 picosecond

Model:	Description:	Nominal Breakover Voltage:	Peak Pulse Current:
<b>DB25</b> 	Serial DB25 RS 232 protector (wires 1-8, 20) for male or female ports of data terminal and computing equipment including PCs, printers, modems, etc.	18 volts, protecting pins 1-8, 20 and chassis	340 amps
<b>DB25-ALL</b> 	Serial DB25 RS232 protector (pins 1-25) for any 25 pin male or female DTE/DCE ports.	18 volts, protecting pins 1-25 and chassis	340 amps
<b>D10B5</b> 	10base5 thick coax protection with "N" type male/female connectors.	7.5 volts, protecting center, shield and chassis	750 amps
<b>D10B2-T</b> 	10base2 thin coax protected "T" (BNC f/m/f). Also protects IBM 3270 and CCTV lines.	7.5 volts, protecting center, shield and chassis	750 amps
<b>D10B2</b> 	10base2 thin coax protector (BNC m/f). Also protects IBM 3270 and CCTV lines.	7.5 volts, protecting center, shield and chassis	750 amps
<b>DTWINAX</b> 	Twinaxial AS400 Sys3x protector (m/f).	10 volts, protecting both signal lines, shield and chassis	500 amps
<b>DCATV</b> 	Coaxial protector for TVs, VCRs, pro video supplied by CATV ("F" m/f).	7.5 volts, protecting center and shield conductors	750 amps

Call Tripp Lite Customer Service at (312) 755-5401 for additional applications requiring Multiport, Terminal Strip, RS422/RS423/RS485 and ARCNET solutions.