



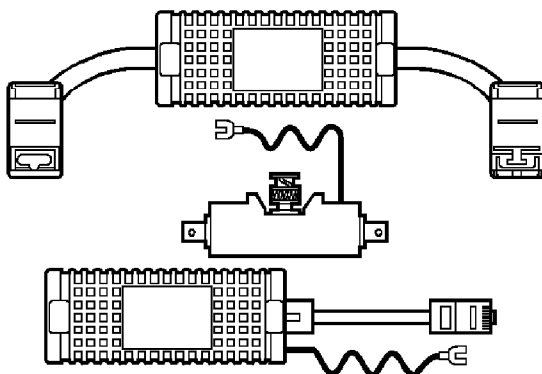
BLACK BOX[®]

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The Source for Connectivity[®]

LAN Surge Protection For Ethernet, ARCNET, and Token Ring ports.

Protect your sensitive network hardware from
glitches, damage and disruption!



Are your network users losing productive work time to unexplained system lockups? Are your network devices (I/O cards, hubs, repeaters, interface cards) randomly failing?

Now you can prevent the nuisance of an unreliable network by protecting your data lines with LAN Port Protectors.

1000 times more susceptible than the power connection!

Surges enter electronic equipment through the network cable as well as the power cord. Even if you have an AC power protector in place, surge energies as low as 15 volts generated

within your building by sources such as fans, air conditioners, and elevators can cause your AC power protector to suddenly discharge surge energy into the network ground. It's just like a pressure relief valve. The result is lock-ups, equipment damage, and loss of network reliability.

Sensitive protection at the port—where it counts!

The location where a protector is physically installed is very critical to its ability to protect your equipment. Damage can still occur to LAN equipment with as little as 18 inches of wire between the protector and the equipment. Beware of other protectors that combine the data line protector into the same enclosure as the power protector. They cannot be physically installed close enough to the sensitive port to afford enough protection.

Incredibly easy to install!

Simply insert the protector in series between the incoming data cable and the network port on the equipment being protected. Then attach the protector's grounding wire directly to the metal chassis of the equipment.

Automatically resets itself after each surge!

The protectors are designed to reset themselves, ensuring that they will always be ready surge after surge. If the protector is exposed to more than its rated energy, it will take the network off line, keeping it protected from any subsequent energy.

Protection available for virtually any type of system or connector!

Standard models protect Ethernet, Token Ring, ARCNET, RS-422, RS-232, RS-423, and most other high speed LAN/WAN interfaces.

Special units are available for virtually any type of network, special connector, or pin configuration. Contact your authorized sales representative for more details.

Network Type and Part Number Selection

Connector type	UTP Ethernet 10BASE-T	Thin Ethernet 10BASE2	Thick Ethernet 10BASE5	Token Ring	ARCNET	RS-232	RS-422, RS-423, RS-485
IBM* Data Connector	-	-	-	SP509A	-	-	-
Coaxial BNC T	-	SP501A	-	-	SP504A	-	-
Coaxial "N" style	-	-	SP506A	-	-	-	-
DB9	-	-	-	SP361A-R2	-	SP361A-R2	SP514A
DB15	SP362	SP362	SP362	-	-	SP507A	SP508A
DB25	-	-	-	-	-	SP360A	*
RJ-11 UTP	*	-	-	*	*	SP515A	*
RJ-45 UTP	SP512A	-	-	SP521A	*	SP521A	*

* Denotes special product is available. Contact sales representative.

Electrical Specifications

Connector type	UTP Ethernet 10BASE-T	Thin Ethernet 10BASE2	Thick Ethernet 10BASE5	Token Ring	ARCNET	RS-232	RS-422, RS-423, RS-485
Std. Clamp Voltage Vcl	8 Volts	8 Volts	8 Volts	18 Volts	30 Volts	18 Volts	7 Volts
Response Time	-----	-----	-----	less than 10 nanoseconds -----			
Max. Capacitance	<40pF	<15pF	<15pF	<40pF	<40pF	<40pF	<40pF
Max. Current 8x20us@Vcl	750 Amps	750 Amps	750 Amps	370 Amps	340 Amps	370 Amps	750 Amps

Doc# 12135