

# Surge Suppressors for Local Area Networks

Series 700

AC power surge protection for LAN equipment is becoming commonplace. But did you know that the same voltage spikes and surges that appear on power lines can be coupled onto your data lines? LANs have become an interconnection of computers, building power systems, telephone, data acquisition, even video and security systems. Each connection creates a path for data line surges to enter your network and damage your equipment. As networks expand to remote sites and span between buildings they become more susceptible to surge damage.

## Surge Protection for Ethernet Networks

Ethernet

Peradata surge suppressors with VSET™ circuitry will guard your Ethernet equipment against data line surges caused by nearby lightning strikes, ground loop voltages, AC power interference, electrostatic discharge (ESD) and industrial load switching. They ensure reliable operation of your network equipment including workstations, routers, active and passive hubs and diagnostic equipment.



<u>Model</u>	<u>Description</u>
741A	single port, ThinNet, 10base2, RG-58, BNC connector
741AD	single port, ThinNet 10base2, RG-58/BNC, replaces "
742A	single port, ThickNet, 10base5, RG8, "N" connectors
763A	single port, 10base-T, RJ-45 plug and jack
SP4H-A#	4 line, 10base-T, wire terminal connections
863*	8 port, RJ45 jacks
863-2*	16 port, RJ45 jacks, 19 inch rack mount
963*	24 port Distribution Panel with integral surge suppression

## Protect your Token Ring Connections

Token Ring

These surge suppressors protect your 4 and 16 Mbit/s IEEE 802.5 Token Ring equipment. They connect directly to your Type 1 (DB9) or Type 3 (UTP) ports to prevent hardware damage from data line transients. They ensure reliable operation of your network equipment, including workstations, repeaters, MAUs and diagnostic equipment.



<u>Model</u>	<u>Description</u>
771A	single port, IBM® Data connectors
772A	single port, RJ45 plug and jack
773A-1	single port, DB9 M/F connectors
773A-2	single port, DB9 M/F, male on stub cable
SP4H-B#	4 line, wire terminal connections
872*	8 port, RJ45 jacks
872-2*	16 port, RJ45 jacks, 19 inch rack mount
972*	24 port Distribution Panel with integral surge suppression

# 8, 12 and 16 line models are available. See separate data sheet "Multi-line Surge Suppressors" for details on these models.

\* See separate data sheet "Multi-port Surge Suppressors" for details on these models.

**Peradata has Surge Protection  
for Arcnet Networks**

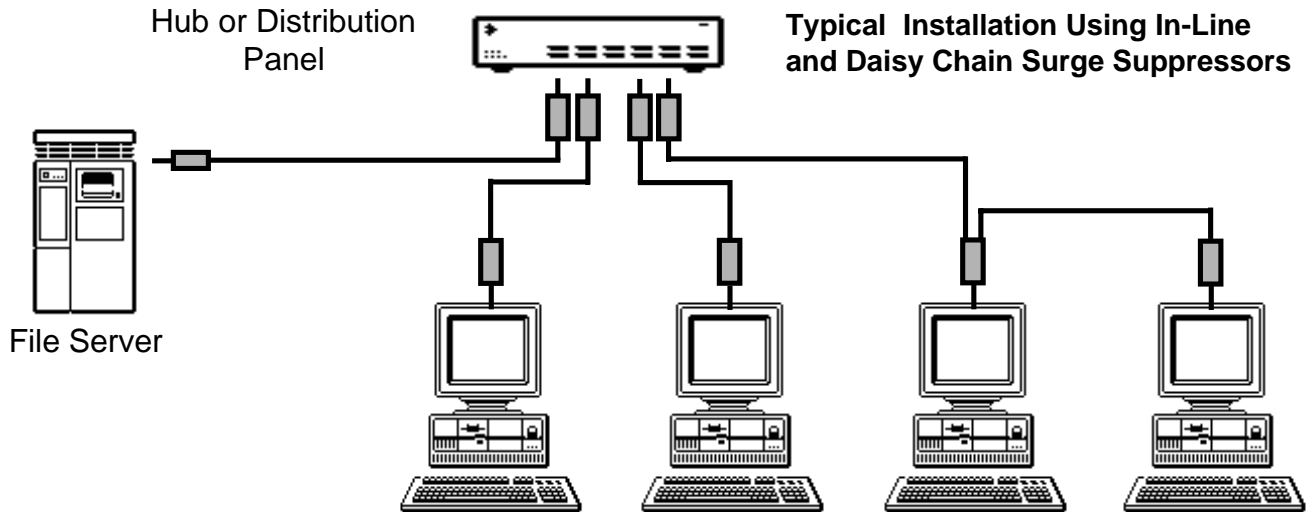
ArcNet LANs, whether in the office or on the factory floor, are susceptible to damage from lightning induced transient data line surges. These surge suppressors connect between your LAN cables and your equipment's LAN ports. They ensure reliable operation of your network equipment, including workstations, active and passive hubs, and diagnostic equipment.



<b>Model</b>	<b>Description</b>
722A	Standard ARCNET, RG62 coax, BNC Connectors, Inline type
722AD	Standard ARCNET, RG62 coax, BNC Connectors, daisy chain
725A	RS485 based ARCNET, RJ45 plug and jack, twisted pair cable
725AD	RS485 based ARCNET, RJ45 plug and jack, twisted pair cable, daisy chain
726A	RS485 based ARCNET, RJ11 plug and jack, twisted pair cable
726AD	RS485 based ARCNET, RJ11 plug and jack, twisted pair cable, daisy chain
727A	Standard ARCNET, RJ11 plug and jack, twisted pair cable
727AD	Standard ARCNET, RJ11 plug and jack, twisted pair cable, daisy chain
728A	Standard ARCNET, RJ45 plug and jack, twisted pair cable
728AD	Standard ARCNET, RJ45 plug and jack, twisted pair cable, daisy chain

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All models are available with DIN rail mounting option. Add "R" suffix to designate this feature.



**Specifications**

Circuit:	3 stage, solid state <b>VSET</b> suppression for each data line.
Clamp Voltage:	Ethernet, RS485 Arcnet: +/-5V Token Ring, Standard Arcnet: +/-10V
Response Time:	less than 1 nanosecond
Data Rate:	up to 20 Mbit/sec

Note: Series 700 and 800 models are provided with steel enclosures to shield data from external interference.

Note: Surge suppressors should be installed in pairs, to protect the equipment at each end of the data line.