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10/100BaseT(x) Ethernet Surge and Lightning Protector

Select an Ethernet Surge Protector when...
...you want to protect your 10BaseT or 100BaseTx devices from voltage surges and lightning strikes.

- Advanced 3 stage hybrid protection
- Dual port – protects two Ethernet devices
- Save money on repair and replacement
- Modular and compact design
- DIN rail or direct panel mounting
- Protective grounding to DIN rail
- UL and CE rated for industrial use
- Compatible with SIXNET's Industrial Ethernet Switch. Details at: **www.industrialmodem.com**

Protects all these …


Ethernet I/O


Switch, Hub


PC


Printer


PLC


Workstation

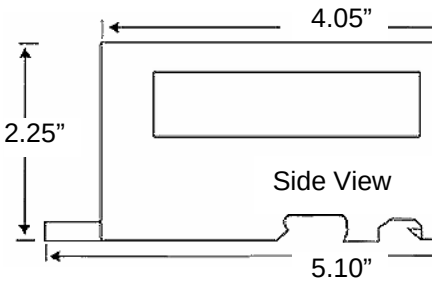
and much more …

Surge Protectors Save Equipment and Money

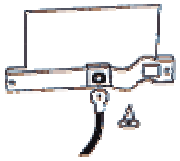
A UPS claims to protect your computer from power line surges - but is it fully protected? Surges striking another Ethernet device can easily travel through network cabling to threaten your expensive computer, or worse - your irreplaceable data. If your network connects devices in different areas of your building, chances are multiple power systems supply your equipment. This means the potential for ground loops and other classic instrumentation faults is ever present. The solution is simple - install an inexpensive surge suppressor on each Ethernet port.

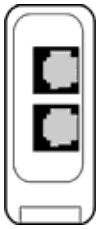
Performance Specifications	
Technology	High energy metal oxide varistors (MOVs) with a double network of ultra-fast diodes and silicon avalanche diodes
Usage	10BaseT or 100BaseTx
Ports protected	2 (4 lines per port)
Connectors	RJ45 (pins 1, 2, 3, 6)
Surge capacity	1 kA / line
Clamp and rated	10 V and 5 V
Max. frequency	155 MHz
Operating temp.	-40 to +85 °C
Attenuation	Better than -0.3 dB at 100 MHz
N.E.X.T.	Better than -43 dB at 100 MHz
Ratings	UL 497B, EIA/TIA (TSB 40A)

Ordering Information	
DESCRIPTION	PART NUMBER
Dual port protector (1 piece)	SP-ETH-2
Dual port protector (5 pack)	SP-ETH-2-5
Notes: Each protector supplied with a grounding kit for direct panel mounting and two 4 ft. Ethernet patch cables (cat. 5).	

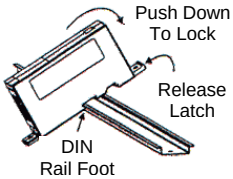


Direct Panel Grounding





Units are installed inline and identified with “protected’ and “unprotected” to provide failsafe installations.



DIN Mounting

Installation Instructions

1. Snap to DIN rail or screw to panel. Make sure DIN rail is grounded. Use grounding kit if direct panel mounting.
2. Correct grounding is essential. Minimize distance from protector to ground point which should be common with AC GND.
3. Connect “unprotected” port to incoming line. Use supplied cable to connect “protected” port to device to be protected.
4. Important notes: Always use supplied patch cable. Ground leads should be 14AWG or larger and less than 12”.