

EAT•N

Powerware

Powerware CAT5 Network Transient Protector Dataline Protection

Product Focus



PWCAT5 NTP

The PWCAT5 Network Transient Protector (NTP) is designed to provide protection for CAT5 computer networks up to 100 MHz. The unit provides protection for all signal pairs of a CAT5 cable. The unit is simply used in place of the existing patch cable from an RJ45 network connection to workstation or peripheral network device. The device protects workstations, printers, servers, hubs or any other protocol-compatible device from potentially damaging or dangerous voltages, regardless of their source. The device cannot protect against data errors caused by an interfering source.

Features:

- Protects all CAT5 network devices against surge & electrostatic discharge
- Protects all eight wires of a CAT5 cable
- Simple to install
- Does not effect network traffic
- 12 Month Warranty

PWNTP24

The PWNTP24 has been designed to provide transient protection for multi-port CAT5 network devices such as hubs, routers, and other arrays (individual ports may also be used to protect individual pieces of equipment). The unit protects only pairs 1/2 and 3/6, allowing non-network use for the remaining pairs such as telephone, video, intercom etc..

The device provides protection by providing a shunt path to earth for surges and electro static discharge. When an abnormal voltage appears, the circuit switches on and diverts the surge to earth. Normal network traffic is unaffected as the device only operates during a surge event.

The unique mounting system allows mounting in many different modes to suit crowded racks. Even if no rack space exists, the unit may be mounted externally on the front or rear of the rack. For horizontal mounting, the unit requires a single 1RU (44mm) rack space for installation. For vertical mounting, the unit requires 3RU (132mm) of rack space. The unit may also be flush mounted to either side of a rack, cabinet or trolley.

Technical Specifications

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PWCAT5 NTP Technical Specifications	
System voltage	< 8V Pk.
Let through voltage	< 12V @ 20A
Max. surge current	80A (10 / 1000uS), 40A (2mS)
Equivalent CAT5 cable burden	1 metre
Size (not including cable) HxWxDmm	90 x 50 x 17
Weight	100g

PWNTP24 Technical Specifications	
Configuration:	CAT5, pairs 1+2, 3+6
Number of ports:	24
Network rating:	CAT5
Nominal data rate:	100MB/s
Surge Clamp Voltage:	< 10V
Protection modes:	Line to Line, Line to Earth
Surge rating (8/20uS):	40A
Let-through voltage:	< 20V@ 40A
Loss:	Equivalent to 1 metre of CAT5 cable
Connections - Data - Earth	RJ45 panel sockets, shielded M6 stud, 500mm earth lead supplied.
Enclosure:	Steel, powder coated. 44mmH x 441mmW x 120mmD
Weight:	1.2kg

In the interests of continual product improvement all specifications are subject to change without notice.

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HEAD OFFICE
Eaton Power Quality Pty Ltd
10 Kent Road
Mascot NSW 2020
Phone: +61 2 9693 9366
Fax: +61 2 8338 1159
www.powerware.com.au

SALES OFFICES
Queensland
Phone: +61 7 3844 9728
Fax: +61 7 3217 2199

Victoria
Phone: + 61 3 9706 5662
Fax: + 61 3 9794 9150

SOUTH AUSTRALIA
Phone: +61 8 8347 3622
Fax: +61 8 8445 6328

Western Australia
Phone: +61 8 9446 0520
Fax: + 61 8 9244 7466

Auckland New Zealand
Phone: + 64 9 273 3970
Fax: +64 9 273 3980

WELLINGTON New Zealand
Phone: + 64 4 477 4717
Fax: +64 4 477 3691

Sales 1300 UPS UPS
Service 1300 303 059

