

TECHNICAL DATA SHEET

LIGHTNING PROTECTION INTERNATIONAL PTY LTD
Comprehensive Lightning and Surge Protection ABN 11 099 190 897

- Direct Strike Protection
- Earthing Products & Solutions
- Surge & Transient Protection for Power, Data, Communications and RF Lines



LPI® Local Area Network Protector

Features

- CAT 6 / 1000 Mbits application
- Simple plug-in RJ45 socket
- Low attenuation

Product Description



LPI™ LAN-RJ45-CAT6 offers effective protection against transient over-voltages to protect against data corruption and system failures on cables linking workstations and file servers.

The simple plug-in design provides Earth Potential Equalisation through the mounting rail clip for TS-35 Dinrail. The widely used RJ45 connector suits 10 BaseT and 100 BaseT, and 1000 BaseT ethernet networks.

Ordering code:	LAN-RJ45 Cat6
Application:	Surge protective device for PCs, servers and similar devices connected to a data network (cat 6)
Nominal Voltage (U _N L-L):	6.0V
Max. Surge Rating @ 10 / 1000µs:	130A per line
Conductors Protected:	All 4 pairs protected.
Connector:	RJ45 (8-pin)
Data Clamp Voltage	<7.5V
Voltage protection level at 1kV/µs	<15V
Response time:	<5ns
Max. capacitance:	< 5pF
Max. Transmission Speed:	1000 Mbit/s (CAT 6)
Operating temperature and Humidity range (T):	- 25°C ~ +70°C / 0 – 90%
Dimensions:	91 x 43 x 23.6mm with flying leads 1.5m and 0.3m
Warranty:	5 Years – Contact LPI for full warranty details.

Description

The LPI LAN RJ45-CAT6 protects local area network equipment against lightning induced over voltages. Equipment to be protected includes personal computers, servers, routers, HUB's and other peripherals.

Installation / Operating instructions

Connect the LAN RJ45-CAT6 to the equipment to be protected with the enclosed modular cable (CAT 6). Use the flying leads as supplied with LAN RJ45-CAT6 to connect between the input line side and the output equipment side. Ensure the unit is grounded via the TS35 DIN rail mounting clip.

Examples of use:

Connect the LAN RJ45-CAT6 to the ends of LAN cables connected to individual equipment to be protected. In particular when LAN cables are connected to different buildings or across floors in the same building, they are susceptible to lightning surges. Typically, this type of situation requires LAN RJ45-CAT6 to be connected.

*Only the equipment fitted with a LAN RJ45-CAT6 is protected.

Warnings:

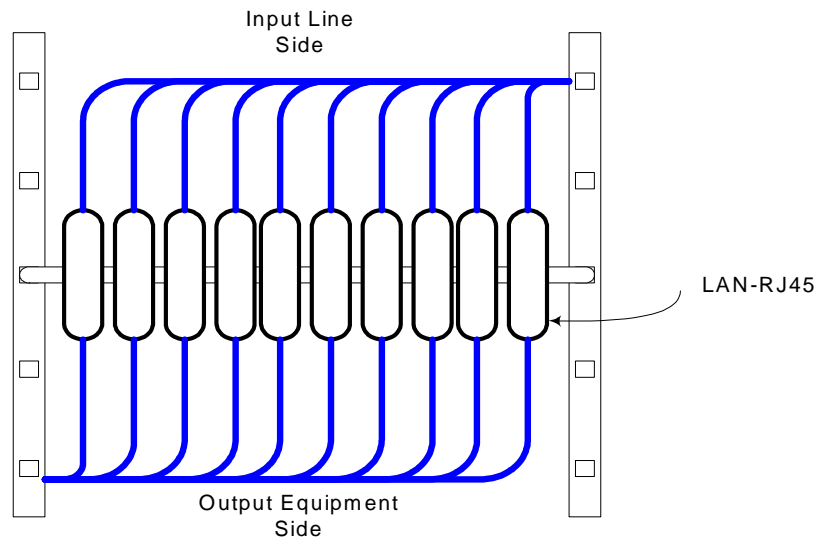
Do not handle LAN RJ45-CAT6 during electrical storms.

Do not use in areas exposed to high temperature, high humidity and/or water.

Disconnect unit if fire, smoke or abnormal smell is detected.

Do not disassemble or remodel unit.

The LAN RJ45-CAT6 cannot be used with a standard telephone line. Therefore check the specifications of the line before making any connections.



LPI[®] has a policy of continuing product development. Therefore, the above specifications are subject to change without notice.

LPI[®] LIGHTNING PROTECTION INTERNATIONAL PTY LTD
ABN 11 099 190 897

16 Mertonvale Circuit, Kingston Tasmania, Australia 7050

■ Phone: +61 3 6227 1955 ■ Fax: +61 3 6229 1900

■ Email: info@lpi.com.au ■ Web: www.lpi.com.au