

# Power House - 100 BASE T

## **Features**

The Data-Pro 100 Base T transient suppression devices are used to protect low voltage communication channels as well as LAN systems using UTP conductors. These in-line devices handle data rates in excess of 100Mbps and are fully duplexed with insertion losses of less than 0.5dB. They can withstand 10,000 Volt Transient Voltage Surges, at 10,000 Amps per line and still maintain their superior level of protection. This product line features high performance with no degradation to its protection.

They are available as a stand alone device or 4 and 8 position enclosures.

- Compact size 1u
- Ultra fast and robust protection
- Simple plug-in installation
- Coarse and fine "Multi Stage" protection levels
- Low signal loss
- No external power required
- Fitted with Category 5 RJ45 male/female connectors



## **Compliance**

- IEEE 472 (ANSI C37.90a)
- IEEE 587 (ANSI C62.41) Category B
- IEC 1312-3 LPZ0B

## **Electrical Specifications**

### Static Conditions

Maximum continuous voltage	±8Vp
Max data rate	100Mbps duplexed
Series resistance	1.5 ohms
Insertion loss @ 16Mbps	<0.5dB
Operating temperature	14 - 131°F

### Transient Conditions

Max voltage withstand (1.2/50µs)	>10kV
Max current withstand per line (8/20µs)	>10kA
Typical protection levels (Line to earth)	12V
Typical protection levels (Line to line)	12V
Typical response time	<5ns

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