

# DL-2/7.5

## Data Line Surge Protector

# LPS



The Surge Protective Device for Data and Communication Line is proudly made in Malaysia and engineered with state-of-the-art Australian technology. It is the result of exhaustive research and development to suit the Malaysian environment which is the world's most lightning prone regions.

Data Line protector for high baud rate data transmission with screw terminal makes it ideal for RS485, RS422, RS 423, Ethernet signal of instrumentation interfaces and equipment such as servers, Card Reader Controllers, lift controller, twisted pair CCTV circuit, etc. The DL Series SPD will protect sensitive data networks against lightning induced surges without impairing the system normal operation or cause excessive in-line resistance.

It is designed with high surge capacity to suit lightning prone regions and when connecting equipment are located more than 30 meters away, in adjacent buildings or outdoors.

The DL series employs multistage protection with GDT for primary protection then linked by second stage series impedance and semiconductor voltage dependant device to provide unsurpassed performance in lightning surge protection.

### Technical Data

Technical Specification	Description
Signal Type	RS 422, RS 423, RS485, LAN
Nominal Operating Signal Voltage	±5V
Max. Operating Signal Voltage	±7V
Standard Clamp Voltage @ 1mA	9V (Line-Screen, Line-Line) 90V (Screen - Ground)
Left-through Voltage (Line - Ground) @ IEEE C 62.36 - 1994 (CCITT) / ITU-k.20 Enhanced 6kV, 150A, 10/700µs	12V(Line-Screen, Line-Line) 600V (Screen - Ground)
Max. Surge Current per pair @ 8/20µs	20kA
-3db Band width @ 600 ohm circuit	From DC to 20MHz
@ 110 ohm circuit	From DC to > 100MHz
Insertion Loss @ 600 ohm circuit	<0.1db
Max. Signal Current (Line-Line)	350mA
Loop Resistance	15 ohm
Response Time	<1ns
Connector Interface	Screw Terminal
Mounting Interface	DIN-Rail / Panel Mount
Operation & Storage Temperature	-40°C to +70°C

### Ordering Info

Protected Wires	Model Number
2 Wires + Screen	DL-2/7.5
4 Wires + Screen	DL-4/7.5

### Dimension

