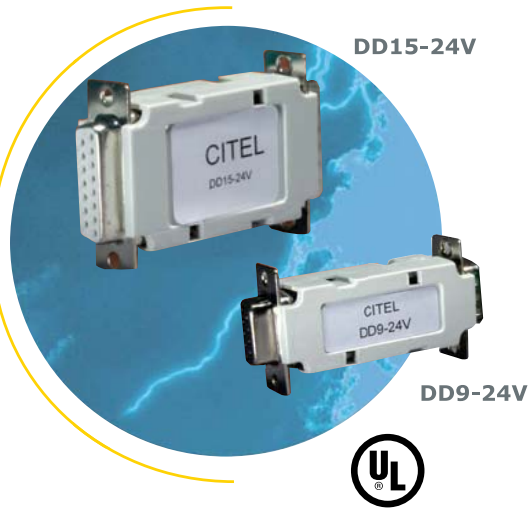




## D-Sub Data Line Surge Protector

### DD Series

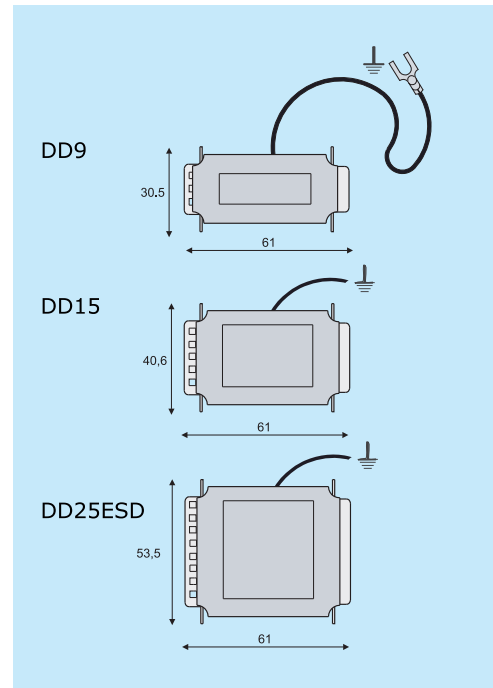


The DD Series are D-sub DC signal line surge protectors that are designed to protect your sensitive telephone, datacom, and instrumentation equipment against harmful lightning surges and electrical transients. They are available in RS232, RS422, RS485 or other customized versions.

The DD Series utilize fast clamping silicon avalanche diodes with response times of <math><1\text{ ns}</math> in order to achieve a very low let through voltage. These units automatically reset after each surge event and are connected either with a 9-pin, 15-pin or 25-pin D-sub connector. All pins are capable of transmitting and will protect the data.

- «D-Sub» Surge Protectors
- For RS232, RS422, RS485 communication lines
- Fast & easy installation
- 9, 15 and 25 pin connectors
- IEC 61643-21
- UL497B

### Dimensions (in mm)



### Characteristics

CITEL part number	DDx-6V	DDx-24V
Application	RS422, RS485	RS232, 4-20mA
Connector Sub-D25	DD25ESD-6V	DD25ESD-24V
Connector Sub-D15	DD15-6V	DD15-24V
Connector Sub-D9	DD9-6V	DD9-24V
Max. line voltage (Uc)	6V	15V
Capacitance	<math><30\text{pF}</math>	<math><30\text{pF}</math>
Maximum data rate	<math><40\text{Mbps}</math>	<math><40\text{Mbps}</math>
Clamping voltage (Up)	7.5V	18V
Nominal discharge current (In)	400A	300A
Connector wiring	all wires transmitted & protected	all wires transmitted & protected
Mounting	on connector	on connector
Earthing	by wire	by wire
Housing Material	thermoplastic	thermoplastic
Dimensions	see drawings	see drawings

Note: x = 9, 15, 25, or ESD