

Protects PCs and other communication equipments terminating on DB-9, DB-15, DB-25, M/34 and RJ21X connectors

- ◆ **Transzorb circuitry for lower let-through voltage**
- ◆ **Fail safe design**
- ◆ **All mode protection**
- ◆ **Easy plug-in installation**
- ◆ **Support data rates up to 20Mbps**
- ◆ **Negligible in-line resistance and capacitance**
- ◆ **Plenty of connector type to choose**



Transzorb circuitry for lower let-through voltage - Using dependable transzorb diode circuitry, a lower let-through voltage is achieved which means the surge and transient overvoltage which may otherwise damages the line driver and receiver cards on the data ports are limited to a harmless level.

Fail safe design - Inside the DPP protectors, we adopted the fail safe design technology which means if it suffered a severe surge above its rated capacity, it will fail and causing the fusing track to open and isolated the damaging sources.

All mode protection - Transients appearing between any signal pairs which commonly called transverse mode and between signal line and earth is common mode are all effectively and reliably protected in the DPP protectors.

Easy plug-in installation - The DPP RS232 port protectors are compact and in-line design which can be easily connected to the data port of the

equipments. The V.35 and the RJ21X data port protectors can be easily secured onto a standard 35mm Top Hat DIN rail.

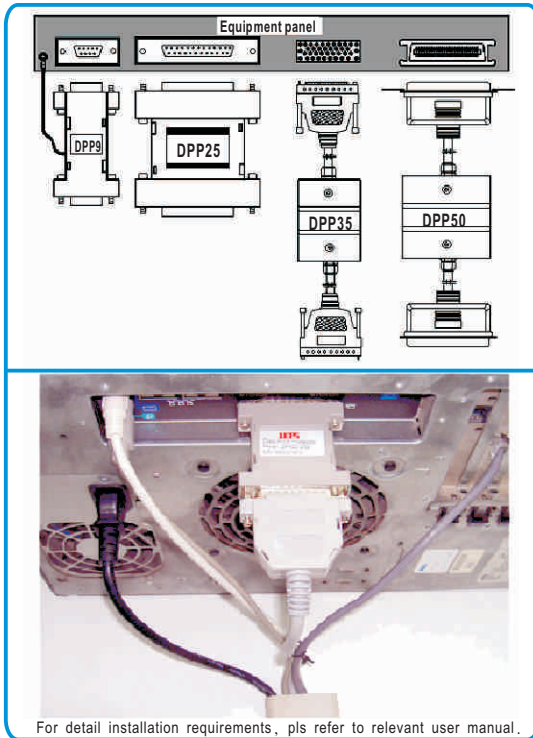
Support data rates up to 20Mbps - The fast response sophisticated hybrid circuit not only protected the equipments from repeated surges but also allows the DPP protectors to transparently transmit the data at a speed of up to 20Mbps.

Negligible in-line resistance and capacitance - DPP protector has a nearly zero in-line resistance and a 40pF capacitance which allows the data to transmit smoothly on the lines.

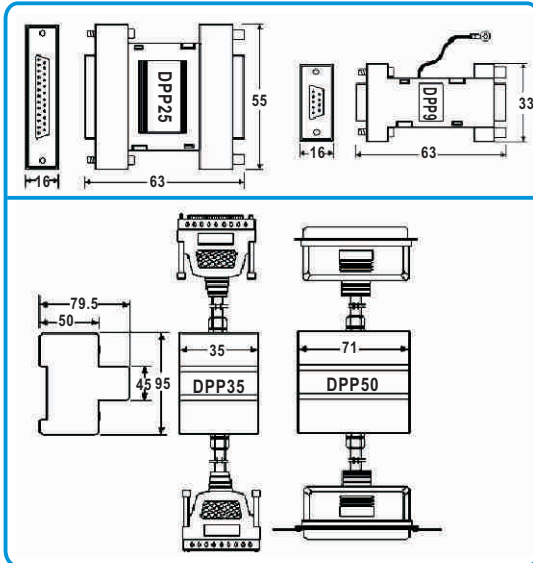
Plenty of connector type to choose - No matter what connector type or gender type is required, DPP series has the right model to suit the applications.



Installation



Dimensions



Voltage range

MODEL	MAX. WORKING VOLTAGE, (Uc)	VOLTAGE PROTECTION LEVEL, (Up)
DPP9-232	25V	40V
DPP25-232	25V	40V
DPP9-485	6V	14V
DPP25-485	6V	14V
DPP35-V12	12V	22V
DPP50-V5	7V	10V
DPP50-V12	17V	23V
DPP50-V24	34V	43V
DPP50-V48	68V	79V
DPP50-V130	180 V	210 V

Notes: (1) For RS422 and RS423 protocol protection, use DPPx-485 model.
 (2) The above models are all male to female configuration. If male/male(M/M) or female/female(F/F) connector type is required, add "M" or "F" respectively at the end of the model number before ordering

General Specifications

SPD class(EN/IEC):	TYPE 3/Class III
Max. working voltage, Uc:	See Voltage range
Max. operating current, IL:	300mA
Protection modes:	common and transverse
Response time, tA:	<5ns
Max. discharge current, I _{max} :	200A(8/20μs)
Max. data rate:	20Mb/s
Voltage protection level, U _p :	See Voltage range (At 5KV 10/700μs)
Capacitance:	40pf
In line resistance:	~0Ω
Standards compliance:	BS EN/IEC 61643-21 AS1768-2007 Cat.A.B.C ITU(CCITT)1X K17 CP33-1996 Cat.A.B.C UL497B
Connector type:	DB9 female to male (DPP9) DB25 female to male (DPP25) M/34 female to male (DPP35) RJ21X female to male (DPP50)
Earth connection:	DIN clip (DPP35, DPP50) Flying lead (DPP9), shell (DPP25)
Case material:	Anodized aluminum (DPP35, DPP50) Plastic (DPP9, DPP25)
Operating temperature, T _u :	-40-85°C
Humidity:	0-95%(R.H.)
Altitude:	0-3650m
Weight:	DPP9-All models 30g DPP25-All models 42g DPP35-All models 500g DPP50-All models 500g

ORDERING INFORMATION



MODEL	PRODUCT DESCRIPTION	PHOTO/DRAWING
DPP9-232	DB9, RS232 protector	
DPP9-485	DB9, RS485 protector	
DPP25-232	DB25, RS232 protector	
DPP25-485	DB25, RS485 protector	
DPP35-V12	V.35 data port protector	
DPP50-V5	RJ21X data port protector, 7V	
DPP50-V12	RJ21X data port protector, 17V	
DPP50-V24	RJ21X data port protector, 34V	
DPP50-V48	RJ21X data port protector, 68V	
DPP50-V130	RJ21X data port protector, 180V	
DPP9-232/12	12 port, 19" rack-mount, DB9, RS232 protector	
DPP9-485/12	12 port, 19" rack-mount, DB9, RS485 protector	
DPP25-232/8	8 port, 19" rack-mount, DB25, RS232 protector	
DPP25-485/8	8 port, 19" rack-mount, DB25, RS485 protector	
DPP35-V12/8	8 port, 19" rack-mount, V.35 data port protector	
DPP50-V5/4	4 port, 19" rack-mount, RJ21X data port protector, 7V	
DPP50-V12/4	4 port, 19" rack-mount, RJ21X data port protector, 17V	
DPP50-V24/4	4 port, 19" rack-mount, RJ21X data port protector, 34V	
DPP50-V48/4	4 port, 19" rack-mount, RJ21X data port protector, 68V	
DPP50-V130/4	4 port, 19" rack-mount, RJ21X data port protector, 180V	
<i>* DB15 connector model is available on request</i>		
<i>* All models are female to male, for male to male and female to female, add /M and /F at the suffix</i>		



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