



# POWERHOUSE DISTRIBUTIONS

P.O Box 2100, Bedfordview, 2008, South Africa  
Tel : +27 11 346 1812 Fax :+27 11 346 1818  
e-mail : [info@phdpowerhouse.co.za](mailto:info@phdpowerhouse.co.za)  
Website : [www.phdpowerhouse.co.za](http://www.phdpowerhouse.co.za)

## RS232 Line Conditioners

### DESCRIPTION:

The RS232 line conditioners are used to protect the RS232/V.24 protocol. These compact devices are fitted into a standard gender bender housing with a DB25 or DB9 connector configuration. (Male to equipment, female to line). Reversed genders are also offered as a standard as indicated in the part number listing below.

### SPECIFICATIONS:

#### Normal Conditions

Voltage Rating (Max.)	: ±15Vp
Data Rate (Max.)	: 20kbps
Insertion Loss @ 2kbps	: <0.1dB
Series Resistance (Max.)	: 3.3Ω

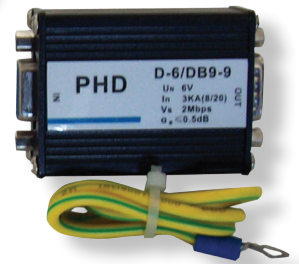
#### Transient/Surge Conditions

Voltage Withstand @ 1.2/50uS (Max.)	: >6kV
Current Withstand @ 8/20uS (Max.)	: >3.7kA
Per Line @ 8/20uS	: 470A
Signal Ground to Earth @ 8/20uS	: 10kA
Clamping Voltage (Max.) - Line to Signal Ground	: 24p
Clamping Voltage (Max.) - Signal Ground to Earth	: 24p
Response Time	: <5ns

DC/RS232/25



DC/RS232/9



### Models

DC/RS232/9	RS232 DONGLE – Lines 1, 2, 3,4, 5, 7 (1 - Earth, 7 - Signal Ground)
DC/RS232/25	RS232 DONGLE – Lines 1, 2, 3,4, 5, 6, 7, 8 & 20 (1 - Earth, 7 - Signal Ground)
<i>For reversed genders please add R to the part number, e.g. DC/RS232/9R</i>	