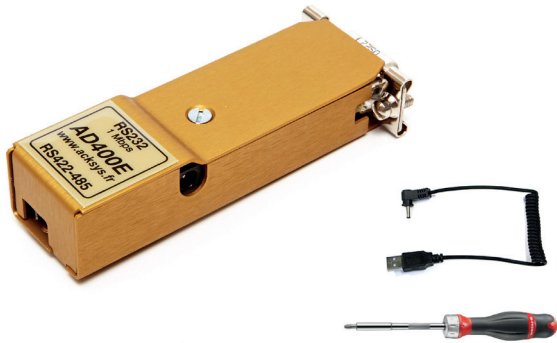# AD400E

RS232 <=> RS422/RS485 converter

Screwdriver & cable
included

- Automatic RS485 self line turnaround
- Self powered or powered from external source
- Speed up to 1 Mbps
- SUB D9 connector for RS232 port
- Screw-in Connecting terminal for RS422/485 port
- Metal casing, CE standards
- LED signal display
- M.T.B.F. > 10^{e6} P.O.H.

Introduction

Designed to connect directly to PCs, this converter has a female SUB D9 connector to the RS232 port and a screw-in connecting terminal for the RS-422/485 port.

It can be powered internally from the RS232 port or externally.

Its advanced technology provides speeds up to 1Mbps, making it ideal for the fast RS232 ports of modern computers.

The high level of integration and built-in protection make the AD400E extremely reliable and compact.

The technical characteristics make it a universal product at a very attractive price.

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Technical characteristics overview

Conversion	RS232 to RS422 or RS485 with automatic (or software) RS485 turnaround, line polarisation and termination via miniature jumpers
Speed	Up to 1 Mbps
Connections	Female SUB D9 Connector for the RS232 port and a screw-in connecting terminal for the RS422/485
Signaling	TXD and RXD signal display on LEDs (only in external power mode)
Power	Internally powered via RS232 control signal (works is the DTR control signal is active and for signal level voltage > +3,7VDC) or externally (external power between +4,5VDC and +8VDC, symmetrical jack for left or right side connection - USB power cable included)
Fan-out	6 RS485 interfaces (internal power mode), 32 RS485 interfaces (external power)
Protections	HF filtering, DES IEC801-2 protection, level 4, max.15KV Surge protection by « Transient voltage suppressors », 0.3 KW 8/20 µS
Consumption	5.5 mA, 1 RS422 termination-free in internal power mode 60 mA, 32 RS485 interfaces with termination in external power mode
Environment	Operating Temperature between -30°C and +65°C Relative humidity 95% to +25°C
Dimensions & weight	80.5 mm (L) x 31 mm (l) x 14.8 mm (H), 31 g.
Accessories	Miniature screwdriver and USB power cable

Ordering references

AD400E	Self-powered miniature RS232 <=> RS422/485 converter with automatic line turnaround (miniature screwdriver and USB power cable included) ***SUB D9 for RS422/485 and/or preconfigured available for quantity orders***

07/2016

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