

**Isolated
RS-232/RS-485-Converter
MODEL CNV 1318A**

Highlights

- Processor-Based Intelligent Converter
- Different Baud-Rates For RS-232 And RS485
- Baud-Rate Max.115KB
- Data Transmission For Up To 32 Characters
- RS-232-To-RS-485 Optical Isolation

General

The **addressable**, processor-based RS232/RS485-Converter model **CNV 1318A** lets you take advantage of RS-485 on systems originally equipped with RS-232. So you can use the EIA RS-485 communication protocol, industry's most widely used bidirectional, balanced transmission line standard. RS-485 was especially developed for industrial applications to transmit and receive data at high rates over long distances.

The model CNV 1318A converts RS-232 signals into isolated RS-485 signals.

Using a host with a RS-485 interface the CNV 1318A lets you easily build an industrial grade, long distance communication system.

The converters CNV 1318A use just a single twisted pair to transmit data. By this way up to 31 converter can be added to a network system.

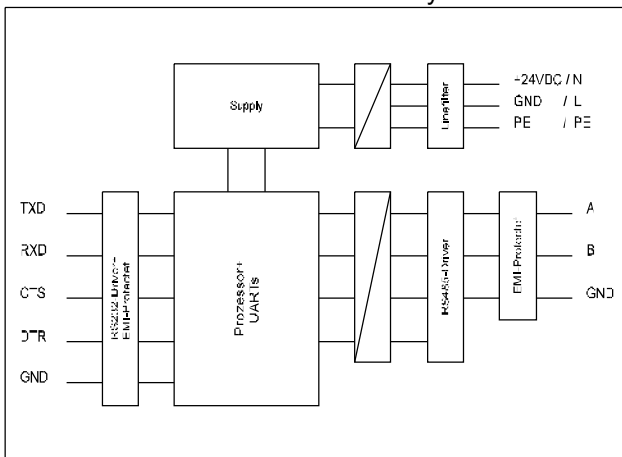
used. It is possible to connect a unit supplied with a RS-232 interface of 2400 to a 115 Kbaud RS-485-Bus.

The Converter **CNV 1318A** is a **Slave** to the RS-485-Bus. Therefore the host must be supplied with a standard converter.

Datas transferred for one transmission may not exceed 32 characters.

Software

The intelligent converter CNV 1318A uses a special software protocol. Therefore special software must be used. A disk is included with programming examples for Turbo Pascal or C.



Technical Specifications

Supply Voltage	:
18-36 VDC	
Power Consumption	: max. 120 mA
Max. Baud-Rate	: 115 Kbaud
Connectors	
RS-232	: DB9-male
RS-485	: DB9-female
Isolation Voltage	: 500 V
Power Supply Connector	: Plug-in Screw Terminal Block
Connection	: 35 mm DIN-rail Mounting DIN 50022
EMV	: EMV-conform with 89/336/EWG
Dimensions	: 105 x 75 x 45 mm
Weight ca.	: 300 g
Operating Temperature	: 0 - 50 °C
Storage Temperature	: - 25 to +85 °C

Special circuitry of the **CNV1318A** ensures clean and reliable communication, suppressing noise picked up by the communication lines. Internal high speed transient suppressors on each data line protect the modules from dangerous voltage or spikes. All parameters like address, baud-rate ect. can be configured by dip switches.

Because of the build-in processor different baud-rates of the RS-232 interface and the RS-485 can be

Ordering Information

CNV 1318A/DC integrated power supply 24VDC