



CONV232-485

Isolated RS232 to RS485 converter

CONV232-485 can be used together with a PC to convert the serial com port into RS485 when using EXOline.

- Power supply 24 V DC (10...30 V DC)
- Auto switching baud rate from 300 to 115200 bps
- 1200 m transfer distance at transmission speeds of 9.6 kbps

Applications

CONV232-485 is used for EXOline communication. As most industrial computer systems provide standard RS232 serial ports, the RS232 to RS485 converter is used to convert these RS232 signals to isolated RS485 signals. The converter can be used for long-distance communication.

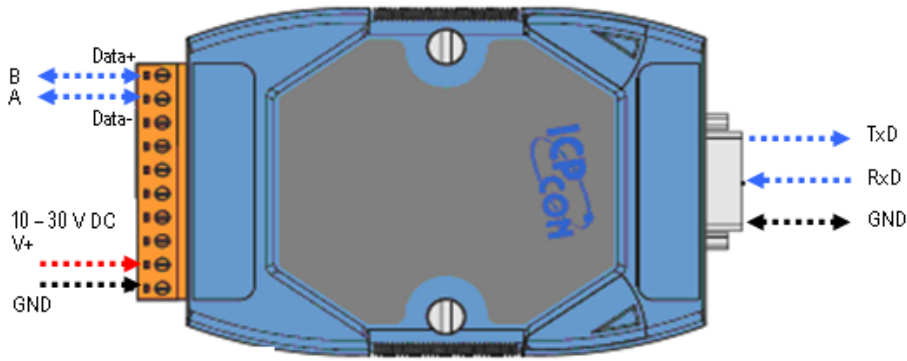
Limitations

The maximum transfer distance is 1200 m at transmission speeds of 9.6 kbps (400 m at 115.2 kbps). For longer distances a repeater is required.

Installation

The RS485 cable as well as the 24 V DC power supply are connected to the converter via a removable 10-Pin terminal block. The RS232 cable connects to the converter via a 9-Pin female D-Sub.

The converter can, if required, easily be mounted on a DIN-rail.



Technical data

Supply voltage	24 V DC (10...30 V DC, non-isolated)
Power consumption	1.2 W
Serial interface RS232	TxD, RxD, GND
Serial interface RS485	Data+, Data-
Cables	Belden 8941 (2P twisted-pair cable)/Belden 8942 (4P twisted-pair cable), if different cables are used, the transmission distance may change
Baud Rate	Automatic switching between 300 and 115800 bps
Isolation	3000 V DC isolation protection on the RS232 side
ESD protection	Yes
LED indicators	Available for Power/Communication
Operating temperature	-25...+75°C
Storage temperature	-30...+75°C
Humidity	10...90 % RH, non-condensing
Flammability	Fire Retardant Materials (UL94-V0 Level)
Connector	Plug-in screw terminal block
Material, casing	Plastic
Mounting	DIN-rail
Dimensions (HxWxD)	118 x 72 x 35 mm



This product conforms with the EMC requirements of European harmonised standards. For the evaluation regarding EMC, certain standards were applied to RFI Emission and Immunity. CONV232-485 carries the CE and RoHS marks.

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