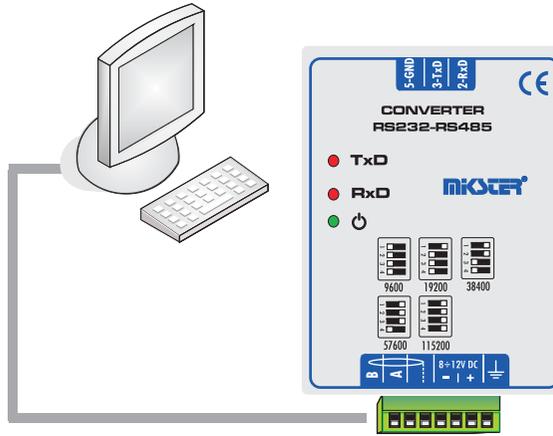


USER'S MANUAL OPTOISOLATED CONVERTER RS232-RS485



MIKSTER
INDUSTRIAL TECHNOLOGY

version 1.1

Specifications:

HOUSING DIMENSIONS:
76mm x 59mm x 28mm

POWER SUPPLY:
8-12 V DC

DESIGN:
ONE-PIECE

WORKING TEMPERATURE:
-20..+70 °C

TRANSMISSION TYPE:
Asynchronous, Half Duplex 9600-115200

RECEIVER SENSITIVITY:

RS485	RS232
200mV	0,3V

IMPEDANCE:
RS485
12kΩ minimum

INTERFACE CONNECTOR V.24:
2 - RxD
3 - TxD
5 - GND

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Guarantee card

OPTOINSULATED CONVERTER RS232-RS485

This Guarantee is to confirm good quality and correct product working.

This Guarantee shall be valid for 12 months after sale date.

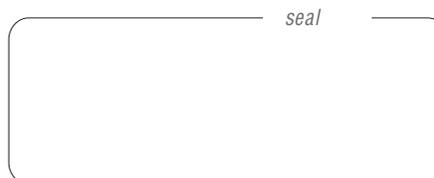
This Guarantee makes manufacturer responsible for removal of all defects in sold product free of charge within 14 days from the date of product delivery for repair.

serial no:

date

GUARANTEE TERMS AND CONDITIONS

- 1. The unit shall be operated according to its service instructions and intended use.
- 2. The Guarantee shall become void in the following cases:
 - » broken seal
 - » occurrence of mechanical damage,
 - » damage due to improper operation,
 - » corrections in the Warranty sheet – with the exception of changes introduced by the manufacturer.
- The Warranty excludes damages that would occur during transport.
- 3. Warranty is valid with receipt for payment.
- 4. Mikster Sp. z o.o. [Ltd.] products are serviced by MIKSTER SERVICE S.C.

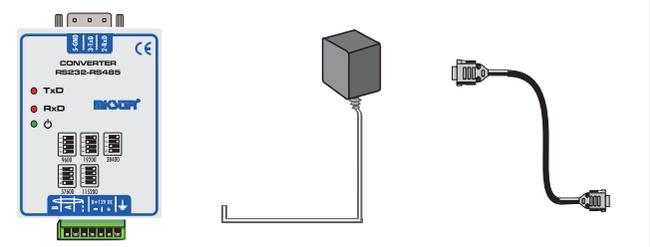


INTENDED USE:

We congratulate you on choosing the RS 232-RS485-type optoisolated converter. We hope that you will find our product reliable and easy to use. Please, carefully read this operating manual. This will allow you to achieve best possible results when using the system, and to extend equipment service life.

The RS232-RS485-type converter converts signal from V.24/RS 232 interface to RS 485 and is used to connect devices equipped with V.24/RS 232 interface to a standard two-wire RS 485 interface line. The converter allows for serial, asynchronous data exchange in the Half Duplex mode (two-way, alternate) between V.24/RS 232 interface and system of devices with RS 485 interface. A set of two RS-232 RS-485 converters may be also used to make connection between two devices provided with a V.24/RS 232 interface. In RS 485, transmission direction is changed automatically. The converter unique property is that it is easy to connect and configure, which allows even inexperienced fitters to use this device.

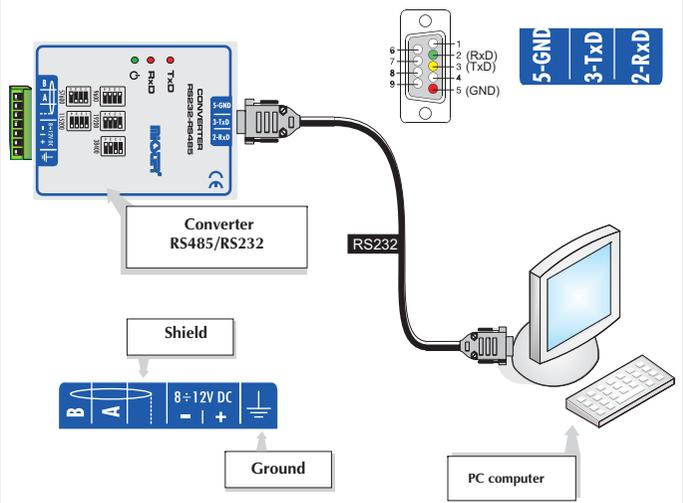
Components:



converter - 1 piece RS232-RS485 power supply - 1 piece 12V DC 400 mA 1.8m cable - 1 piece NULL MODEM

How to connect the converter:

Connect RS232 cable enclosed in the set to computer on one side and to your RS232 - RS485 converter on the other side.



Converter configuration settings:

As soon as the device is connected to computer and to 8-12 VDC power supply, a green light should turn on indicating that power is on. Carry out the following configuration operations in order to ensure correct converter work:

- set baud (transmission rate) - select one of four options;



- make sure that plugs are connected correctly.

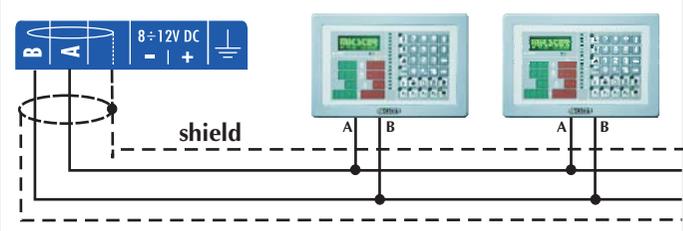
Converter is ready to work.

Frequently asked questions

1. How to connect the shield?

It is recommended to connect the screen to the converter in order to prevent any external interference. Screen connection process is shown on figure below.

ATTENTION ! The whole system shall be earthed only in one spot.



2. Converter does not work

Check in the system if the COM port is activated. (Device manager COM PORTS)

Moreover, MIKSTER offer includes the USB/RS232/RS485 optoisolated converter.

