

USB-RS485 Adapter

ebm-papst USB-RS485 Adapter

Item number: 21490-1-0174



Product description

(retain for future use)

subject to alterations

Technical description:

The USB-RS485 Adapter connects RS485 units with PC. Additional ebm-papst Software is needed as follows:

EC Control version 2.00 and later (item number 25714-2-0199)

The necessary USB drivers for using the adaptor are provided with the EC-Control software package.

Mode of operation:

Adjustments are configured with internal DIL-switches. Default settings:

- Communication: "without Echo"
- Internal termination: "with Bus Termination"

Technical data:

Delivery scope:

- Adapter
- pluggable screw terminal
- USB cord

Housing

Plastic housing

Dimensions

56.0 x 31.2 x 24.5 mm

Power supply

5 V, via USB

Isolation

2500 V (protects USB devices against overvoltages)

Data rate

up to 3 Mbit/s

RS485 connection:

- 2-wire
- up to 32 Bus-participants
- max. cable length 1200 m (at 9600 bit/s)

Operating Systems

XP, Windows 7

Connection to the RS485-Bus:

Connect A and B-wires of the RS485-Bus to the screw terminal and insert it into the adapter.

LED status:

- **Tx** Transmit
- **Rx** Receive
- **ON** Power-ON

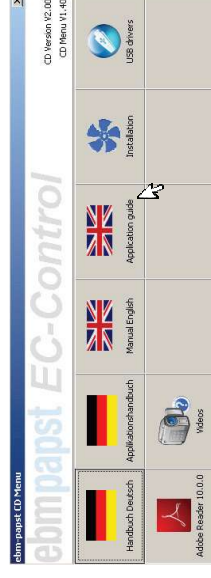
Interface diagram:

screw terminal	signal
X	not connected
A	RS485 Bus A / Modbus RTU D1
B	RS485 Bus B / Modbus RTU D0



Connection to the USB-interface:

Please install the USB drivers before connecting to the USB port. These are part of the EC Control software. Please find installation hints in the EC-control manual.



Connect the device to a USB port on your PC, using the enclosed USB-connection cord. After the connection is made, the yellow power LED lights up. Status LEDs for transmit, receive and power for ease of error diagnostics.