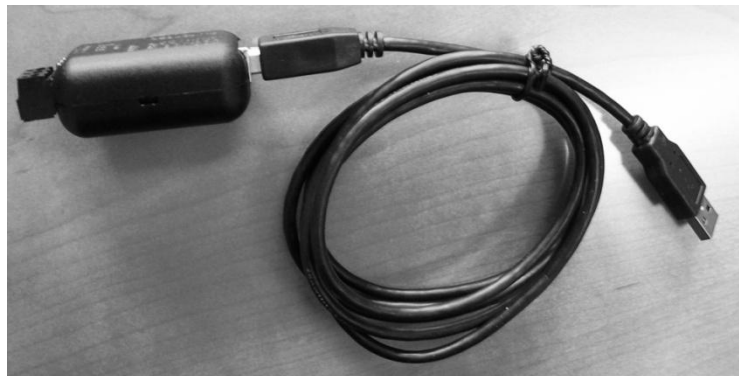


1 Example terminal assignment for fan

| KL3 | | | | | | | KL2 | | | PE | KL1 | | |
|------|------|-----|--------|------|--------|------|-----|-----|----|----|-----|----|----|
| Dim2 | Dim3 | GND | Ain2 U | +20V | Ain2 I | Aout | | | | | | | |
| RSA | RSB | GND | Ain1 U | +10V | Ain1 I | Dim1 | NO | COM | NC | PE | L1 | L2 | L3 |



At a glance.

The right software for the compatible interface.

Using the matrix on this page, we show you which control software communicates with which of the two bus systems, and from which input device. This allows you to understand the relationships at a glance. For direct comparison of the various strengths and features, to the right is an overview of the most important functions of the control software programs. This allows you to quickly and easily find out which combinations are best for your systems.

The perfect match: supported interfaces and protocols

| Software | EC Control (page 6) | LISA 5 (page 7) | Fan Control (page 8) | Fan Clone (page 9) | EC controller (page 18) |
|---|------------------------|--------------------|-------------------------|-----------------------|----------------------------|
| Hardware | PC/laptop | PC/laptop | PDA/smartphone | PDA/smartphone | |
| Bluetooth adapter (page 10) | | | • | • | |
| RS232 – RS485 interface converter with electrical isolation (page 12) | • | • | • | • | |
| RS232 – RS485 interface converter without electrical isolation (page 14) | • | • | • | • | |
| Ethernet – RS485 interface converter (page 16) | • | | | | |
| USB – RS485 interface converter 21490-1-0174 | • | | | | |
| RS485 ebmBUS | • | • | • | • | |
| RS485 MODBUS RTU | • | | • | • | • |

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 25714-2-01)

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.

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