

# Interface converter RS232 - EASYBUS

## EBW2



### General information:

The EBW2 is a battery powered, bidirectional interface converter RS232 <-> EASY bus, by means of which you can connect one EASY bus-transmitter to the serial interface of your PC.

### Specification:

<b>Supply voltage:</b>	9V battery
<b>Power consumption:</b>	interface deaktiv / disconnected: <0,1 $\mu$ A interface aktiv: 8 ... 40 mA
<b>Working temperature:</b>	0 to 50°C
<b>Storage temperature:</b>	-20 to 70°C
<b>Relative humidity:</b>	0 to 80 % r.h. (non-condensing)
<b>Dimensions:</b>	62 x 107 x 26.5 mm (W x H x D; housing only)
<b>Weight:</b>	approx. 110g (incl. batterie)

### EASYBUS

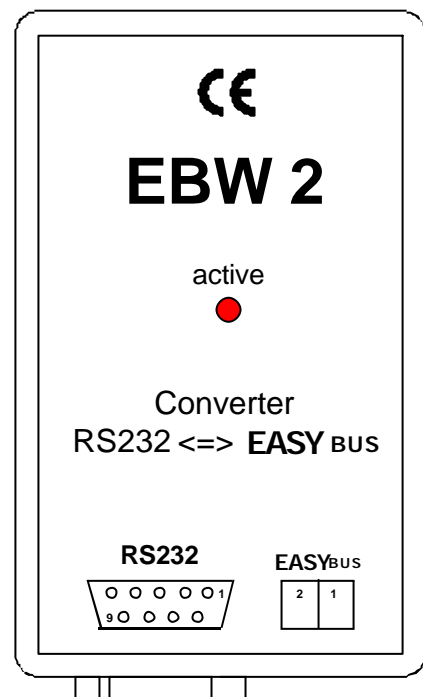
<b>Connection:</b>	2-pin screw-type/plug in terminal: PHOENIX: MC1.5/2-ST-3.5 max. terminal range: 1.5mm <sup>2</sup>
<b>Connecting cable:</b>	2-pin, twisted (recommended)
<b>Cable length:</b>	max. 50 meters
<b>Baud rate:</b>	max. 4800 Baud
<b>Short circuit strength:</b>	permanently short circuit proof
	not galvanic isolatet!

### RS232:

<b>Connection:</b>	9-pin Sub-D-socket, (to be connected to PC via cable 1:1)
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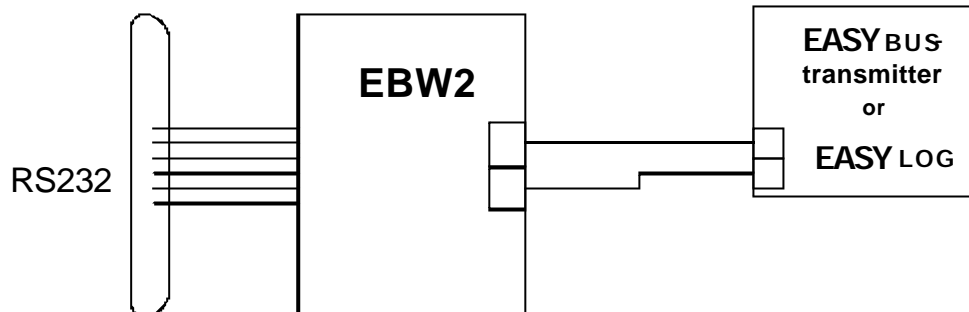
### **Pin assignment:**

1	-	
2	————	RxD
3	————	TxD
4	┌───┐	GND
5	└───┘	
6	┌───┐	CTS
7	└───┘	
8	┌───┐	
9	-	



## **Wiring diagram:**

The EBW2 can be used to connect one **EASY** bus-transmitter to the RS232-interface of your PC.  
The EBW2 supplies current to the **EASY** bus-transmitter. The 2-pin parallel connection is not polarized.



## **Installation and commissioning:**

Connect the **EASY** bus-transmitter to interface converter according to the wiring diagram via a 2-pin connection cable (twisted line recommended).

Check, if a operational 9V battery is connected.

Then connect the interface converter to the RS232-interface of your personal computer.

Unless the interface converter EBW2 is properly handled it may be damaged. This may also result in the damage of other devices connected.

In such cases we cannot assume any warranty !

GREISINGER electronic GmbH will not assume any warranty for damages to other devices resulting from the use of the EBW2.

## **⚠ Safety requirements:**

This device has been designed and tested in accordance with the safety regulations for electronic devices.

However, its trouble-free operation and reliability cannot be guaranteed unless the standard safety measures and special safety advises given in this manual will be adhered to when using the device.

1. Trouble-free operation and reliability of the device can only be guaranteed if the device is not subjected to any other climatic conditions than those stated under "Specification".
2. Prior to opening it, disconnect device and supply voltage source. Make sure that all parts of the device are protected against direct touching when mounting the device and setting its connections.
3. Please always adhere to the standard safety regulations for electric devices, power systems and light-current installations, and make sure that your national safety regulations (e.g. VDE 0100) are observed.
4. If device is to be connected to other devices (e.g. PC) the circuitry has to be designed most carefully. Internal connection in third party devices may result in not-permissible voltages.
5. If there is a risk whatsoever involved in running it, the device has to be switched off immediately and to be marked accordingly to avoid re-starting.  
Operator safety may be at risk if:
  - there is visible damage to the device
  - the device is not working as specified
  - the device has been stored under unsuitable conditions for a longer time.

In case of doubt, please return device to manufacturer for repair or maintenance.