Operating Manual

EBUW 232

EASY BUS - protocol converter

1 Gerneral

The EBUW is a protocol converter which rebuilds splitted RS232 protocols (e.g. splitting done by a MODEM) and makes the protocol conforming to the **EASY BUS** timing requirements again.
The EBUW has just to be inserted between the **EASY BUS** converter and the requesting device (MODEM, PC, ...). An additional power supply is not compulsory, the device taps from the RS232 voltages of the requesting device.

Note: At using devices with weak RS232 signals (e.g. some laptops) it will be possible that the power from the interface is not enough. In this case an external power supply may be necessary. A suitable cable is optionally available.

2 Specification

Connection:	9 pin Sub-D-socket resp.. Sub-D-plug
Socket assignment:	standard RS232
Plug assignment:	Pin 2 - 8: standard RS232, Pin 1: external supply
Supply voltage:	taps from the RS232 voltages of the requesting device or from external supply
supply via interface:	via the interface lines DTR (Pin 4) and RTS (Pin 7) for operation the lines must have a voltage level >5V.
external supply:	6 - 12 V DC, max. 10 mA, via Sub-D-plug (+Ub = Pin 1, GND = Pin 5)
Working temperature:	0 ... 50°C
Relative humidity:	0 ... 80% r.h. (non condensing)
Storage temperature:	-20 ... 70°C
Dimensions:	63 * 34 * 17 mm (B * H * T)
Weight:	approx. 26 g
EMC:	The device corresponds to the essential protection ratings established in the Regulations of the Council for the Approximation of Legislation for the member countries regarding electromagnetic compatibility (89/336/EWG)

GREISINGER electronic GmbH
D - 93128 Regenstauf, Hans-Sachs-Straße 26
Phone: 0049 9402 / 9383-0Fax.: 0049 9402 / 9383-33 e-mail: info@greisinger.de

3 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.
6. **Warning:** Do not use these product as safety or emergency stop device, or in any other application where failure of the product could result in personal injury or material damage.
   Failure to comply with these instructions could result in death or serious injury and material damage.