

SI13U USB – RS485 Transmitter



The transmitter **SI13U** enables a connection between a USB-interface and a 2-wire interface RS485. The small dimensions of the housing and the low consumption of power makes the **SI13U** very suitable for the use with office PCs as well as notebooks.

The connection of the **SI13U** with an USB-interface of the PC or notebook occurs by the cable of 90cm length. The interface RS485 is fit with a female 9-pins Sub-D plug. The connection to the controllers from **FELLER ENGINEERING** has to be wired by a data cable, e.g. AU067.

The **SI13U** is able to turn the direction for the transmission from sending to receiving automatically. It turns over to sending, when a telegram has to be sent to the USB-interface. At the end of the telegram the **SI13U** is ready for reception.

Optical couplers in the unit guarantee the galvanic separation of controller and periphery. The transmission of the RS485 interface occurs by a driver that refers to the RS485 standard of EIA. The 3 LED of the **SI13U** indicate the standby status and the direction of TxD- and RxD-signals. The USB-cable supplies the power from the PC or notebook. An external supply is not required.

Technical data:

RS-485:	2-wire , for max 32 bus-partners max. transmission speed 115200 Baud max. length of the cable 1000 m (at 9600 Baud)
Power consumption:	450 mW (5 V / 90 mA)
Dimensions:	105 mm x 43 mm x 21 mm (without plug L x W x H)
Weight:	about 100 g (with USB-cable)
Protection:	IP50
Scope of delivery:	CD-ROM with USB-driver (Win 9x,ME,2000,XP)

Application:

- **PARACON**, software for data transmission and storage
- **Visual FECON**, program for comfortable visualisation, diagrams and management a.s.o.
- Individual connection of controllers (not only from **FELLER ENGINEERING**) to a PC-system