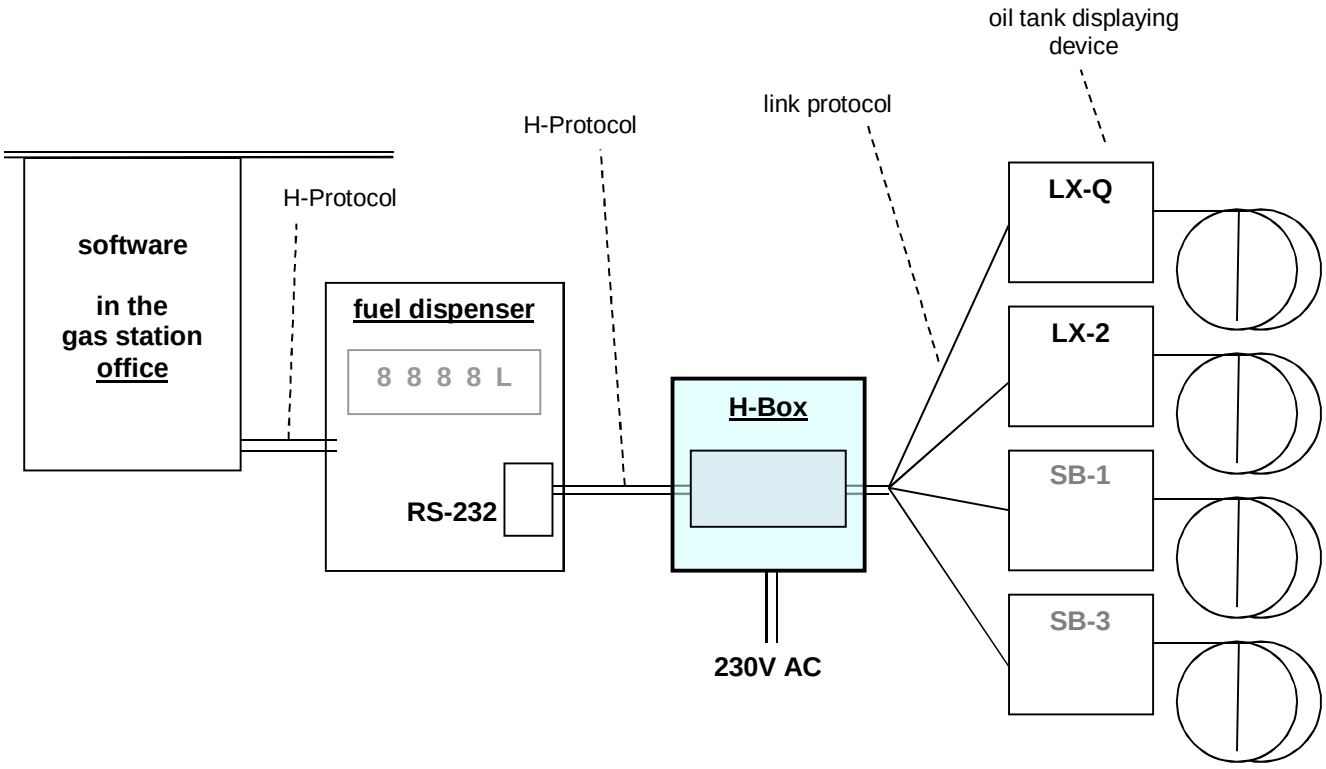
TECSON GmbH & Co. KG
Wulfsfelder Weg 2a
D-24242 Felde

H-Protocol Interface Converter (H-Box)

The H-Box connects the filling level indicators via fuel terminal interface to the H-Protocol network. Through this communication path the current filling level data is addressable in the management software of the gas station office.

All types of displaying devices from GOK / TECSON can be connected to the H-Protocol-Box. Therefore the ‚serial link output' of the displaying devices needs to be connected to the input of the H-Box. Up to 4 displaying devices can be connected to the H-Box simultaneously. The extended device alternative H-Box PRO is capable of connecting and dispensing up to 8 different tanks simultaneously.

The H-Box records the data telegrams of the connected displaying devices and then forwards the tank inventory data in the H-Protocol to the gas station software. The baud rate on the output side can be set per jumper on the circuit board to 1200, 2400 or 9600 Baud. Without a connected jumper the baud rate is 4800 (this counts for all H-Box devices from V1.22 / Dec-2012).



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H-Box

Baudrate setting:

Set the baud rate per jumper J1 ! The device shortly needs to be turned on/off. Without jumper = 4800 Bd

Reset-button:

All tanks will be deleted and recaptured. Thereby the numeration of the tanks might change!

Yellow LED

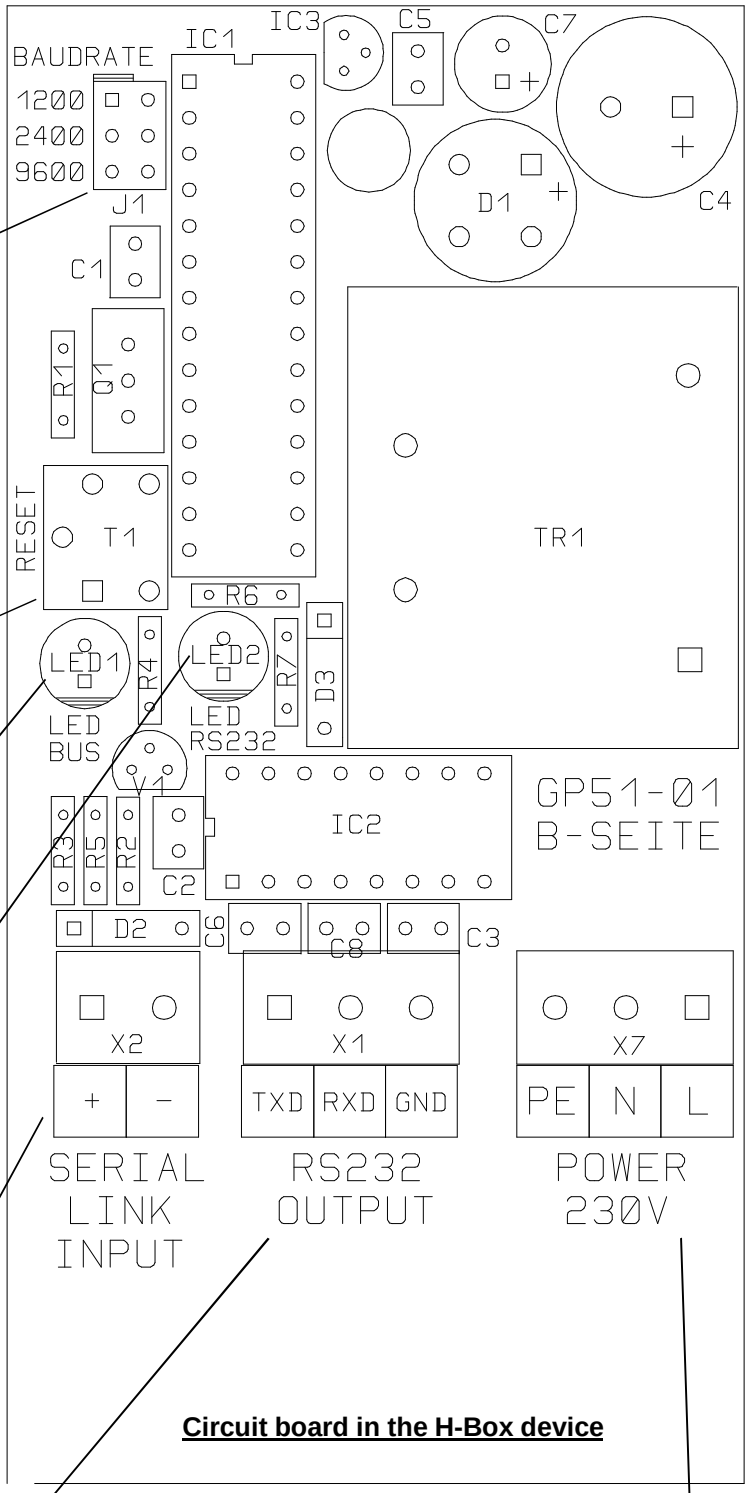
flashes, if data from a displaying device is being received.

Greeen LED

Needs to shine. If so, the RS232-interface is connected correctly. The LED shortly goes black during data transfer.

Data input:

Here the outputs of the displaying devices 1 to n are connected parallel.
Cl. 1 / 3 at (+)
Cl. 2 / 4 at (–)



Circuit board in the H-Box device

H-Protocol output:

The TxD-output needs to be connected crosswise to the RxD-input of the opposite side (and vice versa).

Power supply:

Connect 230 V mains voltage.