Function Overview Software

DC-Panel TEV0605

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1 Menu Tree

Following table lists the order of the menus in the control panel. The scroll keys lead to the next / previous menu item within one program level (marked by  and  in the following overview). The enter key enables to skip between program levels (marked by ).

The following overview shows an exemplary menu order. Depending on the configuration and / or the battery voltage not all menus can be displayed.

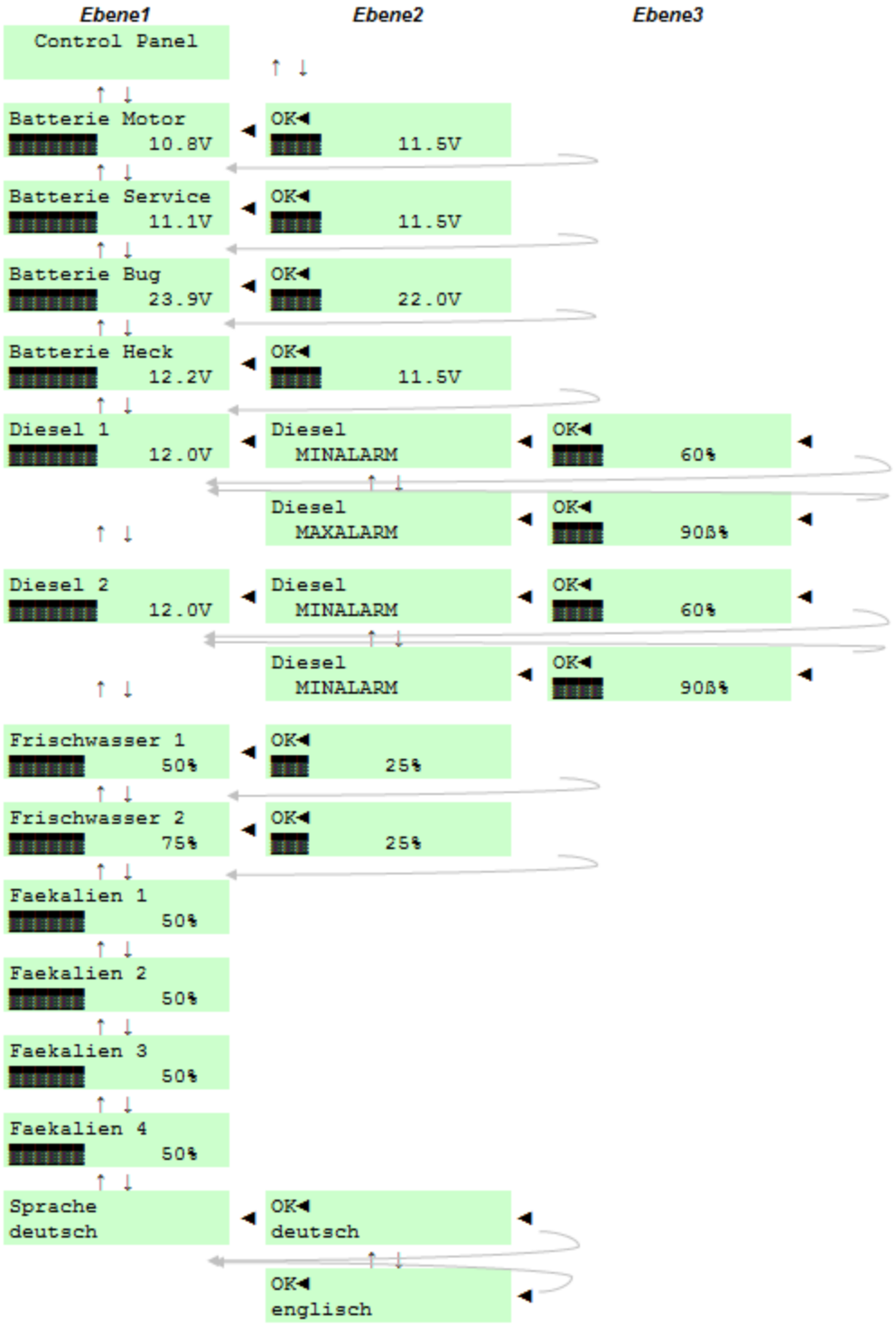

Figure 1: Menu Structure

2 Coding Plug

The water level can be read over a 5-wire sensor or a 2 wire 3…180 ohm sensor. By default a 5-wire sensor is assumed. If the 100% value of the 5-wire sensor of the connector will be reconnected to the ground, is no longer the 5-wire sensor in use but the 2 wire 3... 180 ohm sensor. This accounts for both water sensors, independently from each other. Additionally, it is possible to completely configure water sensor out of the display and alarm handling (see 3 Configuration).

3 Configuration

Switch to the configuration menu by consecutive pressing of the keys (and keeping them pressed).

Activation of a sensor = enable, makes the display appear and deactivation of a sensor = disable, suppresses the display and function.

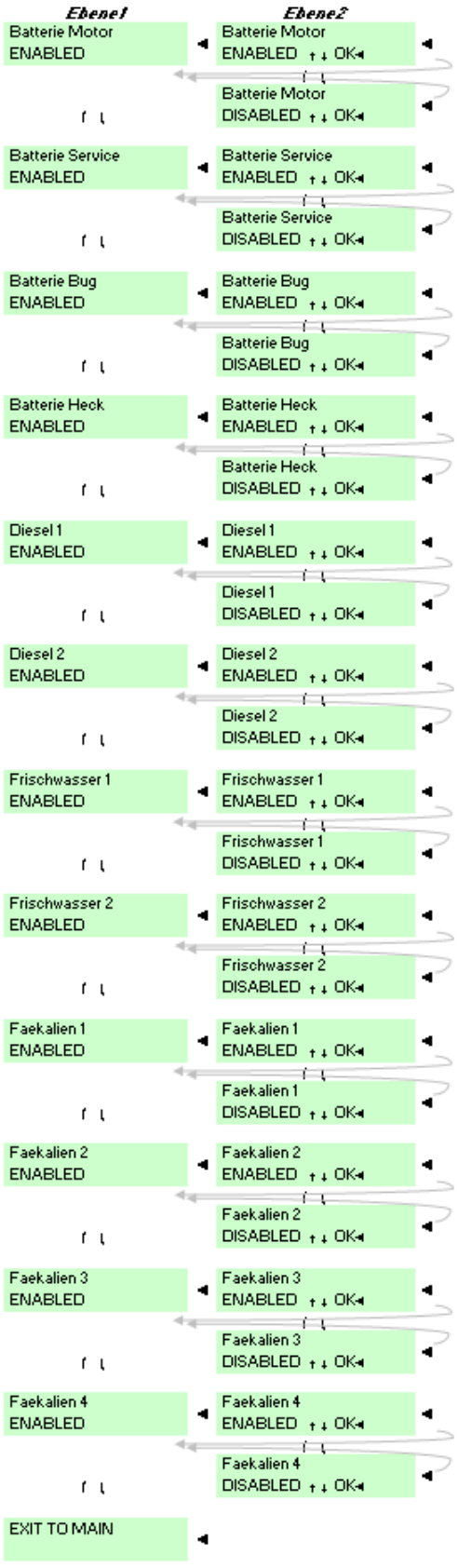

Figure 2: Configuration Menu

4 Battery Voltage

The input signal of the battery voltage for bow and tail (battery 3 and 4) can be 12 or 24 V.

a) A voltage of < 18 V at the entrance
   Connection of a 12 V battery is assumed. The programmable minimum value and the range of the bar chart in this case is 11.5..13.5 V.
b) A voltage of > 18 V at the entrance
   Connection of a 24 V battery is assumed. The programmable minimum value and the range of the bar chart in this case is 22..26 V.

5 Calibration

Should the voltage decline in the supply cables leading to the module, lead to inaccurate values, a calibration can be conducted as follows:

a) Set a reference voltage of 12 V at battery entrance 1 = “battery engine“ = X1512.1
b) Switch the module off and back on by keeping the key pressed 
c) Accept the calibration value with this key 
d) Switch module off and back on

A calibration is only necessary in exceptional cases.

6 Error Types

6.1 Key Errors

In case of a key error, an appropriate circuit normally triggered over a control key, will not be switched over relays or an electronic driver. The cause can be a malfunction of the respective fuse. The key LED which operates the circuit will blink.

If the enter key  is pressed for 5 seconds during this state, the error blinking can be terminated for some circuits. If at the same time several key errors occur, all malfunctioning key errors will be terminates simultaneously.