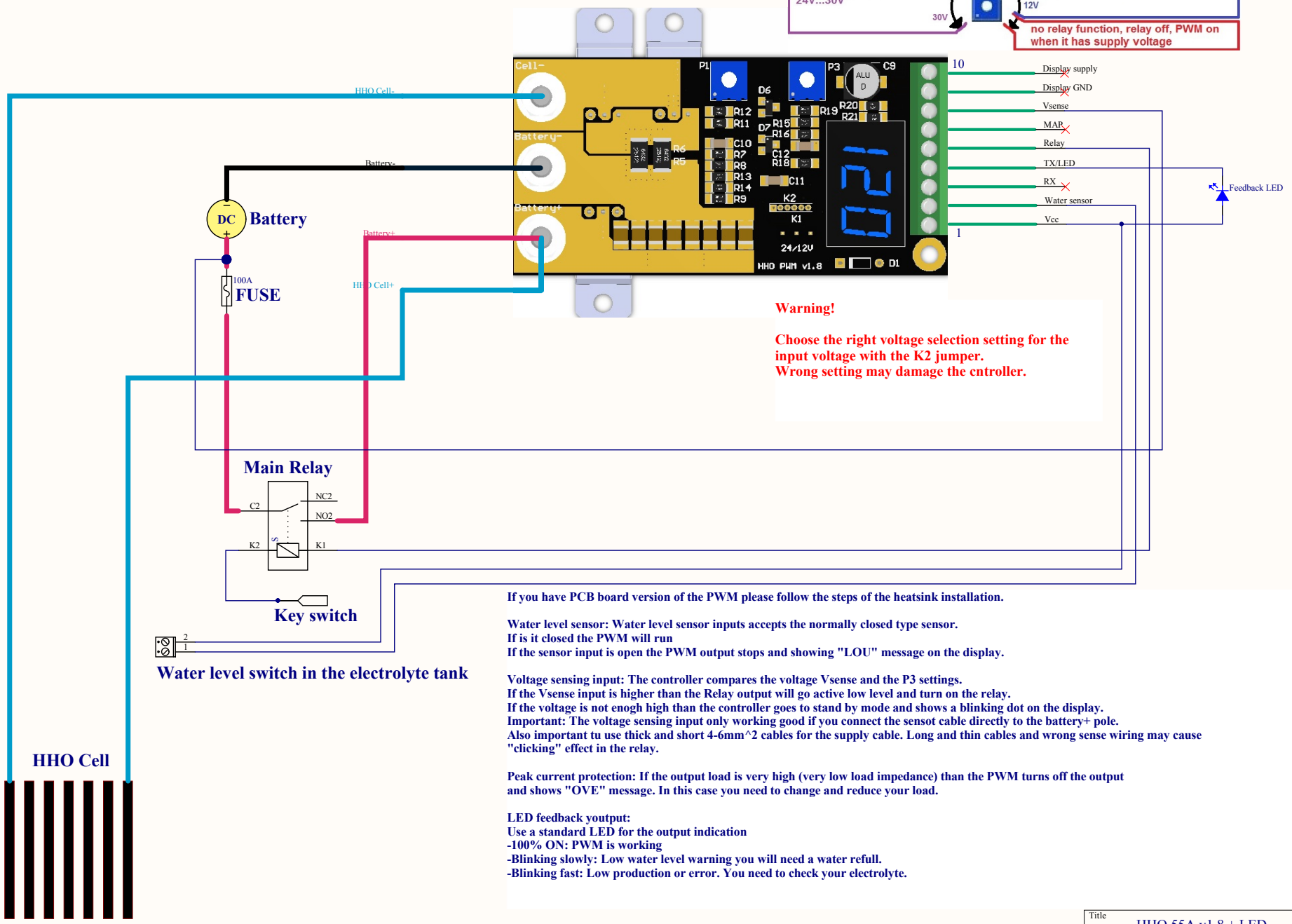
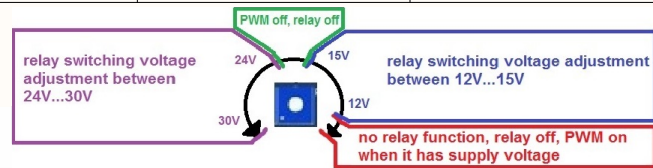


P1 potentiometer : PWM output current settings. CC=0A; CCW=40A  
 P3 potentiometer: Voltage level settings on Vsensi input



**Warning!**  
 Choose the right voltage selection setting for the input voltage with the K2 jumper.  
 Wrong setting may damage the controller.

If you have PCB board version of the PWM please follow the steps of the heatsink installation.

**Water level sensor:** Water level sensor inputs accepts the normally closed type sensor.  
 If it closed the PWM will run  
 If the sensor input is open the PWM output stops and showing "LOU" message on the display.

**Voltage sensing input:** The controller compares the voltage Vsense and the P3 settings.  
 If the Vsense input is higher than the Relay output will go active low level and turn on the relay.  
 If the voltage is not enough high than the controller goes to stand by mode and shows a blinking dot on the display.  
 Important: The voltage sensing input only working good if you connect the sensor cable directly to the battery+ pole.  
 Also important to use thick and short 4-6mm<sup>2</sup> cables for the supply cable. Long and thin cables and wrong sense wiring may cause "clicking" effect in the relay.

**Peak current protection:** If the output load is very high (very low load impedance) than the PWM turns off the output and shows "OVE" message. In this case you need to change and reduce your load.

**LED feedback output:**  
 Use a standard LED for the output indication  
 -100% ON: PWM is working  
 -Blinking slowly: Low water level warning you will need a water refill.  
 -Blinking fast: Low production or error. You need to check your electrolyte.

Water level switch in the electrolyte tank

Title			HHO 55A v1.8 + LED		
Size	Number	Revision		Rev2	
A3					
Date:	2019.10.08.	Sheet of			
File:	E:\Projektek\W2.SchDoc	Drawn By:			