The DHT sensor is used to monitor room temperature and humidity. The DS18b sensor (black) is used to measure the wort temperature. The Status LED is for showing when the heater is on. The switch button is optional but great for changing settings for different types of beer. The push button is used to signal input in the beer process has been done.

The OLED allows displaying detailed information about the brewing process. The blue resistors represent the 1,5 kW heating elements. The two 4-digit displays are completely optional and only add readability. Use a micro USB head to power the Wemos Mini, or VIN and GND for the big Wemos D1.

Connect CLK and D0 on your four-digit display to any digital pin. VCC to 5V and GND to GND.

The resistors are crucial to getting accurate readings from the sensors. Do not forget them.

The two pin connectors are 200 - 250V AC power lines. Switch and 10A fuse. The switch is used to switch off the current from the two 10 amp rated relays.