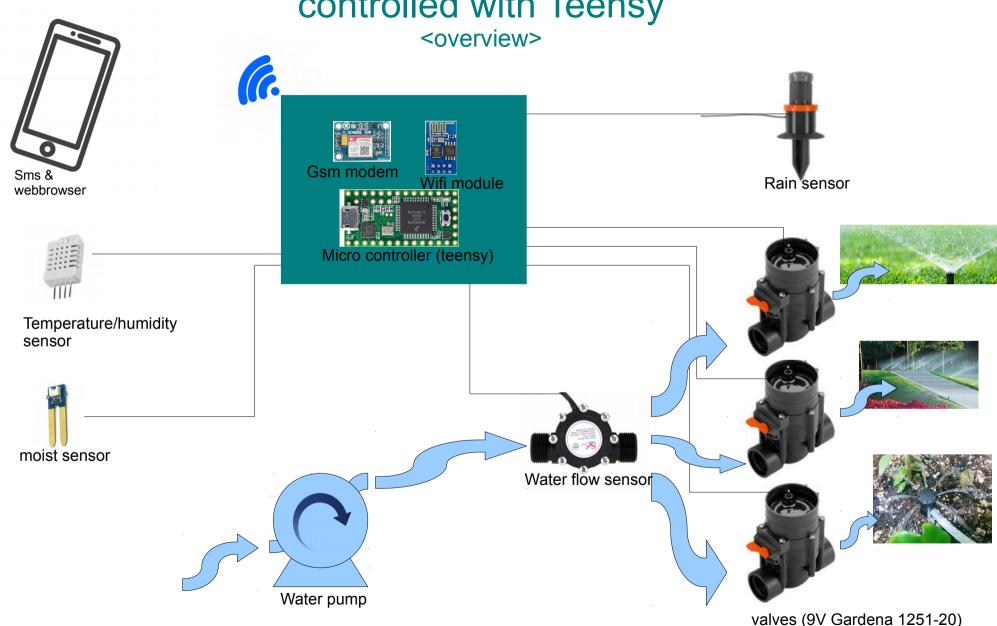
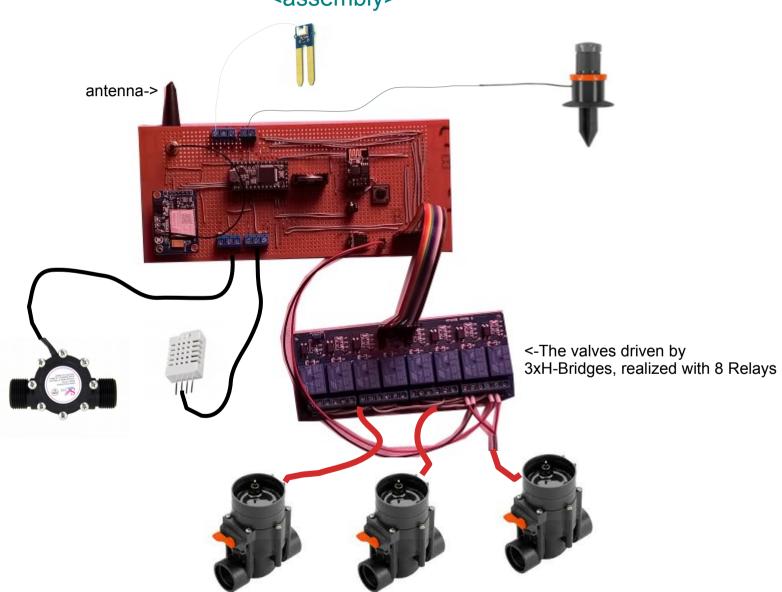
controlled with Teensy



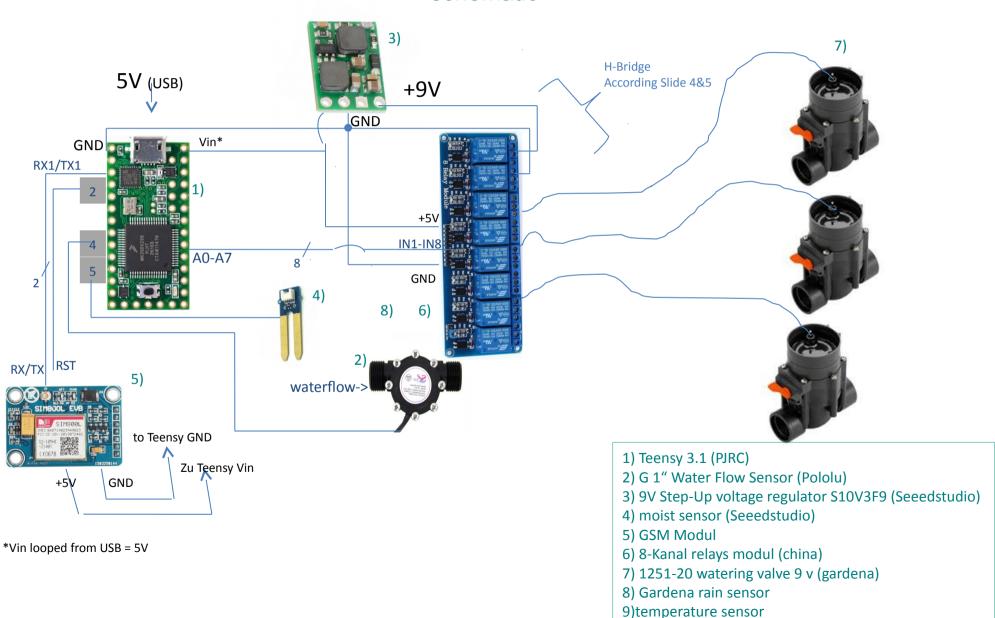
controlled with Teensy

<assembly>



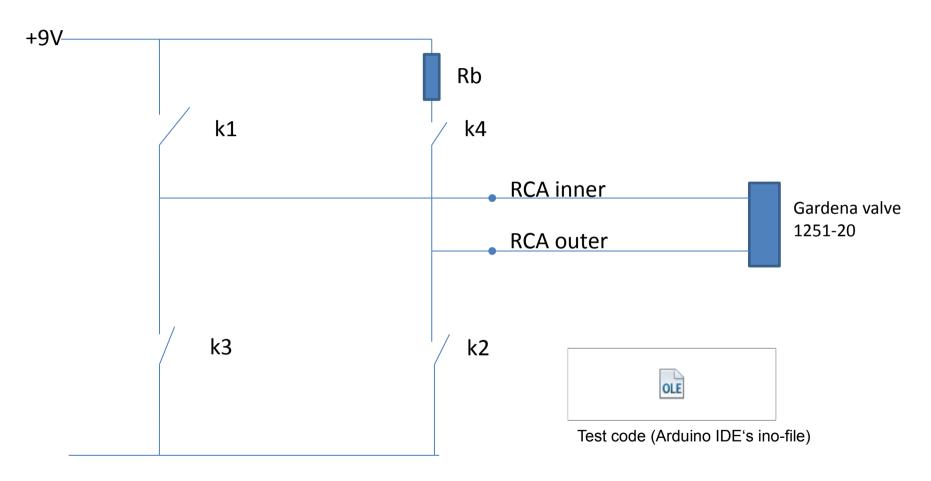
controlled with Teensy

<schematic>



controlled with Teensy

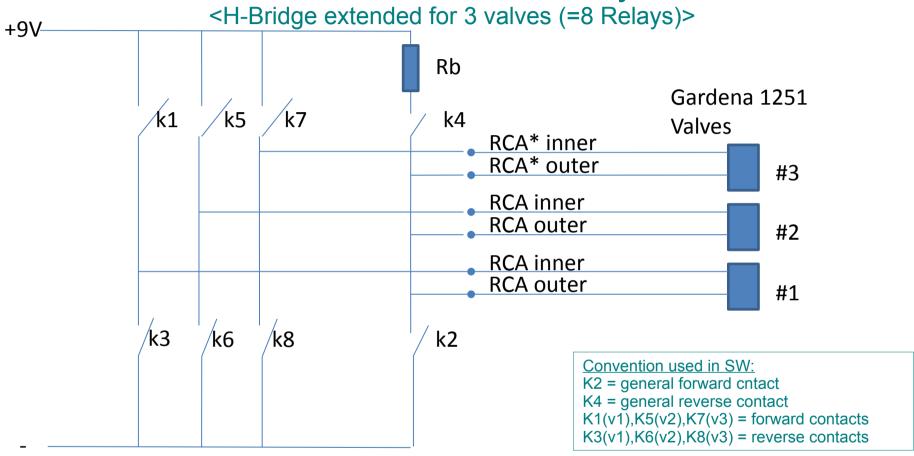
<H-Bridge Test – one valve driven by 4 relays>



Ventil ein: K1&k2 = ON 250ms, K3&K4 OFF

Ventil aus: k3&k4 = ON 65ms, K1&k2 OFF; Rb ~150Ohm(!?)

controlled with Teensy



```
#1 on: K1&k2 = ON 250ms, K3&K4 OFF

#1 off: k3&k4 = ON 65ms, K1&k2 OFF; Rb ~1500hm(!?)

#2 on: k5&k2 = ON 250ms

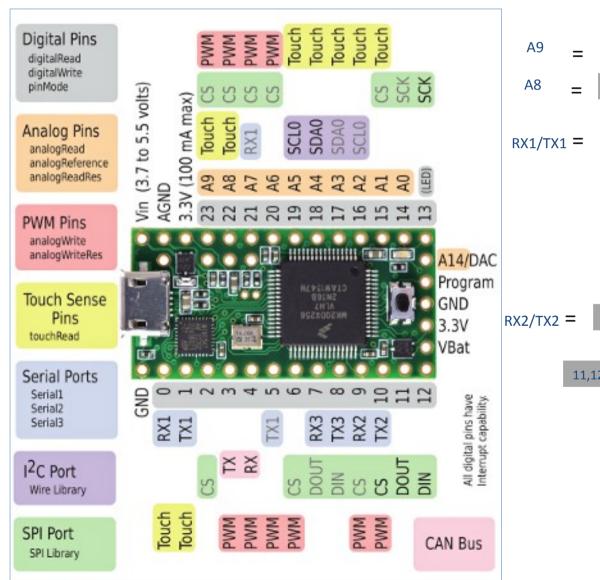
#2 off: k6&k4 = ON 65ms

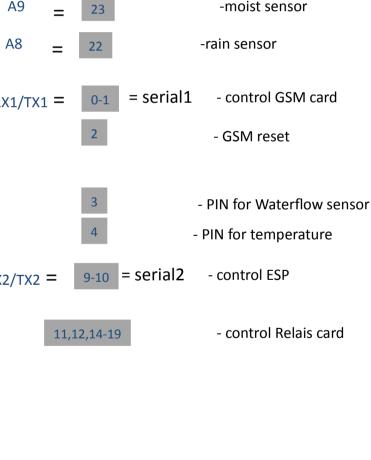
#3 on: k7&k2 = ON 250ms

#3 off: k8&k4 = ON 65ms
```

controlled with Teensy

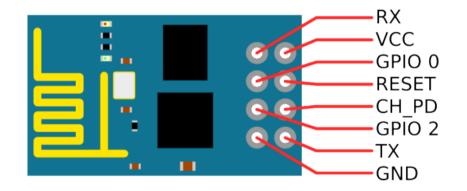
<Teensy 3.1 PIN's>

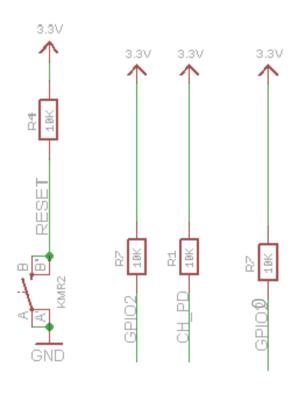


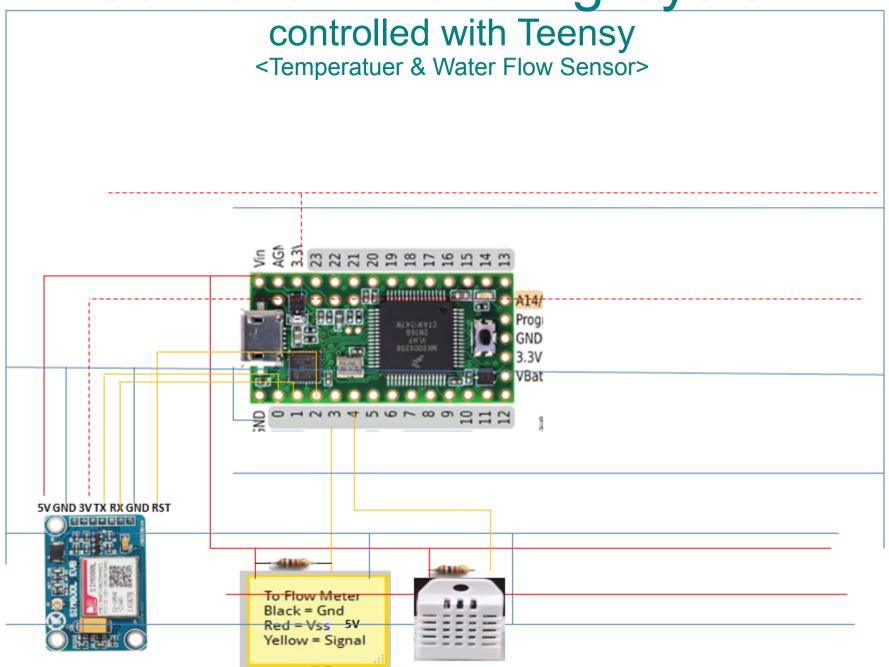


controlled with Teensy

<WLAN Module ESP01>

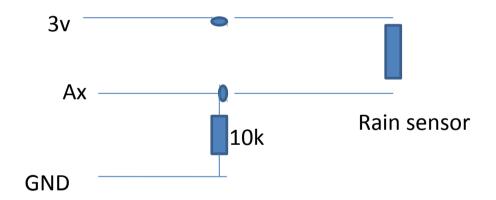






controlled with Teensy

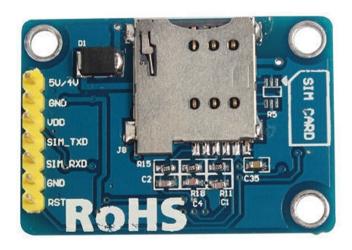
<Rain Sensor>



controlled with Teensy

<GSM module SIM800L>





controlled with Teensy <SW>

Gardena Control ₃Valve CommandList Subscriber H-Bridge WifiModem **GSM Modem** Command Relay (concept for 2nd serial connection) Moist **SMS** Rain Water Flow Temperature WifiModem WebServer WebGUI Network (concept for serial connection towards Gardena system) (concept for WLAN connection) FileSystem File