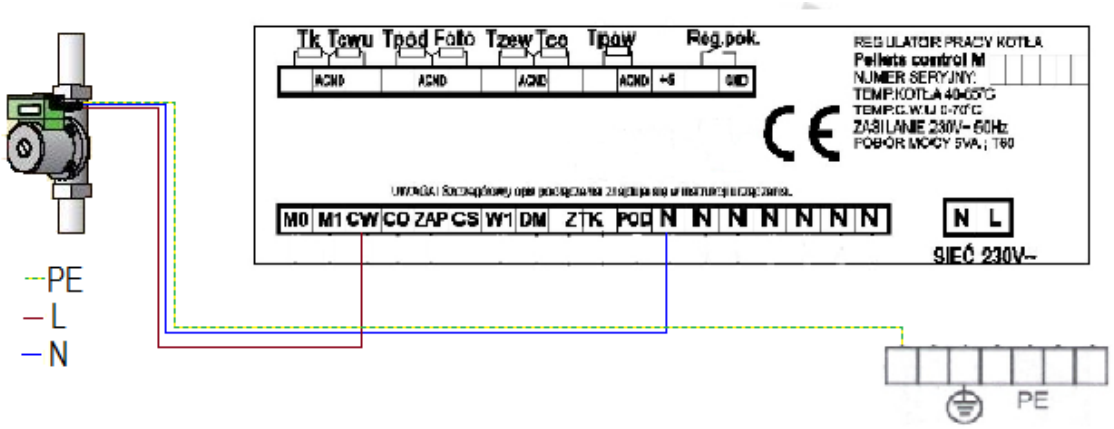
1ST STARTING OF C.H. BOILER FUWI

1. Removing two screws from 8- modular switchgear.
2. Checking correctness connections - AC power, supply of feeder, sensors: temperature feeder, boiler temperature, ZTK.
3. Checking correctness connections - cable 7 wires - wires: PE, 1,2 - blower, 3,4 - photodiode, 5,6 - lighter.
4. Removing sensors, power pumps, hot water and / or CO (3-core cable), power four-way or three-way valve on the side bar.
5. Top rail controller:
    - Connection of hot water sensor (Tcwu – pin 2,3)
    - Connection of central heating (Tco – pin 8,9)
    - Connection of return sensor (Tpow – pin 10,11)

    Sensors Tco i Tpow CONNECT WHEN IS USED THREE-WAY FOUR AND FOUR-WAY VALVE.

6. Connect with 3-core cable of Co and CWU pumps (ex ample connection pump for below contro ller)
    - Pin 3 – hor water pump
    - Pin 4 – central heating pump



7. Connect 3-way Or 4-way valve (lower bar controller - pin 1,2)

    M0 – Valve closing

    M1 – Valve opening

8. Place the sensor on the installation:
    - Tcwu – on hot water heater
    - Tco – on output boiler
    - Tpow - on return of boiler

9. Check the correct connections and start the c.h. boiler.
10. On Menu -> Measurements check, when temperature is displayed. If instead the temperature is ERR, although sensors are connected , that is mean that, this is incorrect connection of sensors.
11. We are setting every c.h. boiler parameters: c.h. boiler temperature, hot water temperature, minima pump temperature, feeding and bower.

BOILER POWER [KW]	9	15	22	30	44	55	80	100
BURNER POWER NO 2 (100%) FEEDING [S]	5	7	10	16	22	12	20	24
BURNER POWER NO 1 FEEDING [S]	From 30% up to 100% of feeding time of burner power No 2							

12. **Star the boiler and make first fire up the boiler.**
13. **At the first pre-spammed, check (shine a flashlight) if Filling is too much fuel (is unloaded), reduce the initial charge in the service mode.**
14. **Check the the proper operation of all equipment and automation in the "test outputs" (investigation to setting temperature, switching up and and removable pumps and 3-way and 4-way valves).**