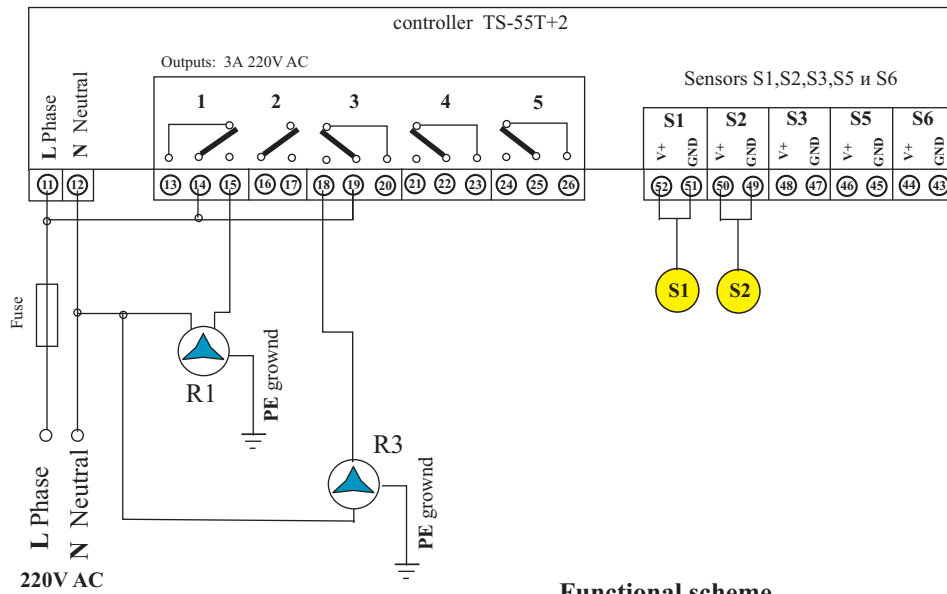


## Controller TS-55T+2 (software TS-plus2)

Heating range of radiators from boiler with priority. Heating of water heater or water accumulator at presence of excess heat in the boiler.

### Electric scheme



R1, R35 - Heat pump.

S1, S2 - Sensors.

← Non-return valve

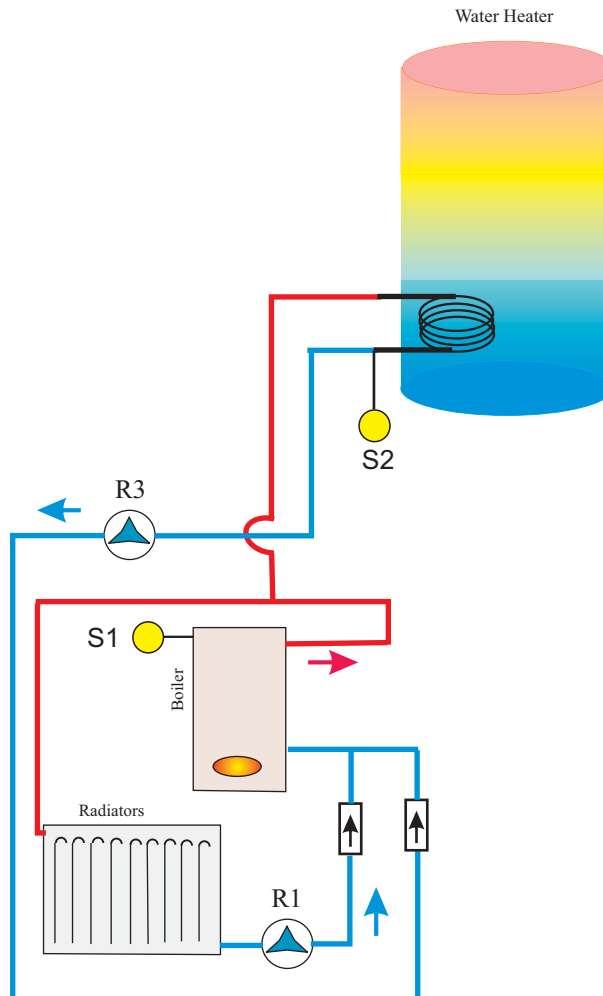


Table setup of the differential regulators, logical functions and thermostats. for example 7						
Row from the table for programming	Output number					Note
	1	2	3	4	5	
Top Level - °C Top level thermostats XX=2 до 90°C	50	90	60	90	90	Temperature to TURN ON the conditional output of the thermostat
Top Level-Sensor <sup>S</sup> Sensor for thermostat top level S=0-6	1	0	1	0	0	
Low Level - °C Low level thermostats XX=2 до 90°C	5	5	5	5	5	Temperature to TURN ON the conditional output of the thermostat
Low Level-Sensor Sensor for thermostat top level S=0-6	0	0	0	0	0	
Differential regulator ON TEMPERATURE 2 - 90°C	5	5	6	5	5	Temperature difference ST-SP to TURN ON the conditional output of the regulator
Differential regulator OFF TEMPERATURE 2 - 90°C	2	2	2	2	2	Temperature difference ST-SP to TURN OFF the conditional output of the regulator
Differential regulator sensor ST 0 - 6	0	0	1	0	0	Sensor heat source *
Differential regulator sensor SP 0 - 6	0	0	2	0	0	Sensory hot-receiver *
Used logical function AND, OR	OR	OR	AND	OR	OR	A(AND) / O(OR)

\* - Do not put ST = SP !

#### Programming:

1. Set the time and date.
2. Set the timer program if necessary.
3. Program the top table in the controller.
4. Perform calibration of the sensors.
5. Select "Automatic mode".

#### TURN ON / TURN OFF outputs:

##### Output 1:

If  $S1 > 50^{\circ}\text{C}$  then the output is TURN ON.  
If  $S1 < 50^{\circ}\text{C}$  then the output is TURN OFF.

##### Output 3:

If  $S1 > 60^{\circ}\text{C}$  и  $(S1-S2) > 6^{\circ}\text{C}$  then the output is TURN ON.  
If  $S1 < 60^{\circ}\text{C}$  или  $(S1-S2) < 2^{\circ}\text{C}$  then the output is TURN OFF.