Manual STP1 pumps thermostat

Operating principle

The thermostat is designed to control water circulation pump C.O. The task of the thermostat is switching on the pump if the temperature exceeds required value, and disable it when the boiler cools down (due to extinction).Prevents unnecessary operation of the pump, which saves electric energy (savings, depending on the degree of utilization of the boiler, reaching up to 60%) and extend pump life. This increases the reliability and decrease costs associated with the operation.

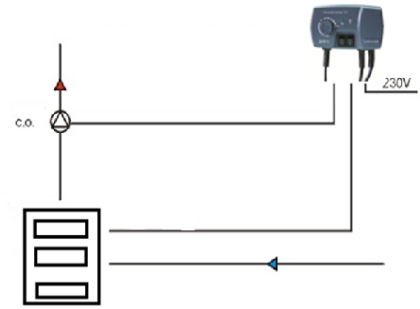
The temperature pump start is controlled potentiometer (range 10˚C-90˚C). The pump stops when the actual temperature drops by 5˚C below the temperature set point (potentiometer set). Start and stop the pump after about 30 seconds. Prevents the constant switching of the pump in case of rapid changes temperature.

The thermostat has two switches. The first one is used to switching on the thermostat (this is indicated by the glowing red LED's). The second is used for manual pump operation (indicated by green). Green LED indicates the operation of the pump with automatic control of pump. The regulator has a protection in the form of reusable polymer fuse (inside the housing of the plate).

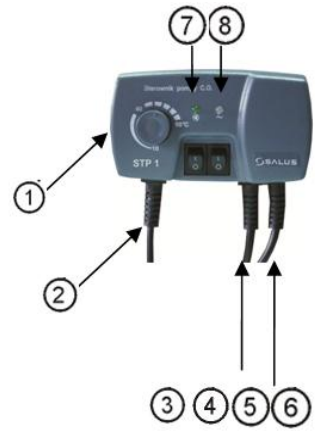
Connecting the pump C.O.

1. To terminal ⏚ wire yellow - green
2. To terminal **N** wire blue
3. To terminal **L** wire brown

WIRING DIAGRAM



1. Potentiometer
2. Temperature sensor
3. Manually switch the pump mode
4. The power switch
5. Power cord
6. Pump power cord
7. LED for operation of the pump
8. LED indicating power on.



DANGER: Do not Touch electrical Components or circuits. Isolate mains electricity supply before starting any work and observe all relevant safety precautions. Installation should be made by a person with adequate electrical power!

TECHNICAL DATA

Temperature range	10°C - 90°C
Hysteresis	5°C
Supply voltage	230/50Hz +/-10%
Power	<2W
Temperature operating	-10°C-50°C
Section of connecting cables	3x0,75mm
Sensor cable length	1,2m\
Output load current	180W
Dimensions	(72x50x132)

Warranty

Salus Controls warrants that this product will be free from Any defekt In materials or workmanship, and shall perform in accordance with its specification, for a period of two years from the date of installation. Salus Controls sole liability for breach of this warranty will be (at its option) to repair or replace the defective product.

Customer Name:.....

Customer Address:.....

Post Code:.....

Tel No:.....

Email:.....

Engineers Company:.....

Tel No:.....

Email:.....

Installation Date:.....

Engineers Name:.....

Engineers Signature:.....

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