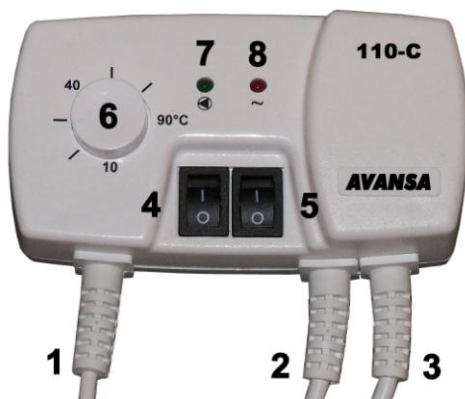


AVANSA 110-C

Electronic on/off thermostat



1. Description

- Temperature sensor 2.
- Power cable 3.
- Pump control 4.
- Pump manual operation switch 5.
- Power switch 6.
- Potentiometer 7.
- Pump operation indication 8.

Power indication



2. Use The AVANSA 110-C thermostat is intended for controlling the heating pump. The task of the thermostat is to switch on the pump when the temperature exceeds the set value and to switch it off when the boiler cools down. This prevents unnecessary pump operation, which allows energy saving (depending on the boiler usage, it can save up to 60%) and extends the pump's lifespan. This increases reliability and reduces maintenance costs. The pump switching temperature is set using the potentiometer (10 ... 90 ° C). The pump will turn off if the measured temperature drops by 5 ° C below the set temperature. Switching on or off the pump occurs after approximately 30 seconds - to prevent pump switching during sudden temperature changes. In addition to the potentiometer, the control unit also has two switches. The first is the on/off switch of the regulator (marked with a red LED). The second is the manual pump switch (green LED).

LED functions:

- green LED - the device is in automatic mode, switches the pump on/off depending on the set temperature -
green and red LED - the device is in automatic mode, the pump is on regardless of the set temperature. The device is protected by a fuse inside the housing (on the circuit board).

3. Connection Connecting to the heating pump:

- 1. terminal  - yellow-green
- 2. terminal N – blue 3.
- terminal L – brown

Warning: Device under voltage! Before starting work, make sure the regulator is not connected to the power supply. Installation must be carried out only by a qualified person.

4. Technical information

Type	AVANSA 110-C
Supply voltage	230V 50Hz ±10%
Temperature setting range	10...90°C
hysteresis	5°C
Power consumption	<2W
Operating temperature	-10...+50°C
Connecting cable	3x0,75mm
Sensor length	1,2 m
Dimensions	75 x 50 x 132 mm
Protection class	IP20