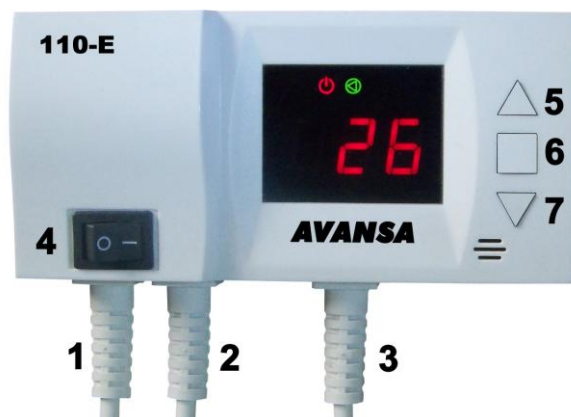


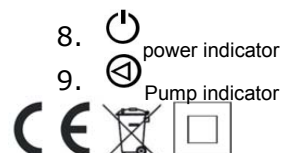
AVANSA 110-E

Electronic on-surface thermostat



1. Description

1. 230V 2. Pump control
3. Temperature sensor
4. ON/OFF 5. Plus button
6. MENU button
7. Minus button



8. power indicator
9. Pump indicator

2. Use The AVANSA 110-E thermostat is designed to control the heating pump. The function of the thermostat is to switch on the pump when the temperature exceeds the set value and to switch it off if the boiler cools down (due to its shutdown). This prevents unnecessary pump operation, which allows saving electrical energy (depending on boiler usage, the savings can be up to 60%) and extends the pump's lifespan. This increases reliability and reduces maintenance costs. The thermostat is equipped with an anti-jam function that protects the pump outside the heating season – it switches on the pump for 15 seconds every 15 days and a freeze protection function – if the temperature drops below 5°C, the pump is switched on.

3. Operation - press the MENU button, the letter will be displayed on the screen - set the desired temperature using the Plus and Minus buttons - after a few seconds, the thermostat automatically switches to operating mode and displays the current boiler temperature. Manual mode Pressing both the Menu and Plus buttons simultaneously

  you can check whether the pump is operating.

Pressing the buttons again will turn off the pump. Hysteresis This is the difference between the temperature at which the pump is switched on and the temperature for switching off the pump. The AVANSA 110-E thermostat has a fixed hysteresis of 2°C. For example, when the temperature is set to 50°C, the pump will switch on after exceeding 50°C and will switch off when the temperature drops to 48°C. Alarm The thermostat is equipped with an audio alarm that signals high boiler temperature (90°C).

4. Installation The device may be installed only by a qualified person. Mount the temperature sensor on the boiler outlet using a strap and secure the thermal insulation. The sensor must not be placed in liquids. Connection to the pump:

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

4. Technical information Type

Supply voltage	AVANSA 110-E 230V 50Hz ±10%
Ambient temperature	-10...+50°C
Switching current	6A
Temperature measurement range	0...90°C
Temperature setting range	5...80°C
Maximum sensor temperature	-10...120°C
Sensor length	1,2 m