

AVANSA 110-S

ELECTRONIC CLIP-ON THERMOSTAT



1. USE

The AVANSA 110-S thermostat is intended for controlling the solar collector pump and the circulation pump. The collector pump operates based on the temperature difference. The pump turns on when the collector temperature exceeds the tank temperature by the user-set hysteresis. The pump turns off depending on the set pump on hysteresis. The off hysteresis is always 10°C lower than the on hysteresis; if you set the on hysteresis to 20°C, the off hysteresis will be automatically set to 10°C. In the case of setting the hysteresis to 10°C, the pump operates until the collector and tank temperatures equalize or the set tank temperature is reached. The circulation pump turns on when the tank temperature exceeds the user-set circulation pump on temperature and operates until the tank temperature drops below the set value.

2. DESCRIPTION



1. 230 V 2. Circulation pump control
3. Collector pump control 4. Tank temperature sensor 5. Collector temperature sensor 6. Off button
7. PLUS button 8. MENU button 9. MINUS button



power indicator



circulation pump operation indicator collector pump operation indicator

Continuous pump operation Press and hold the MENU and PLUS buttons – the circulation pump will enter continuous operation. The pump will operate until the user manually turns it off – by pressing the MENU and PLUS buttons again.

Press and hold the MENU and MINUS buttons – the collector pump will enter continuous operation. The pump will operate until the user manually turns it off – by pressing the MENU and MINUS buttons again.

To display the tank temperature press the MINUS button – after a few seconds the collector temperature will be displayed on the display.

3. INSTALLATION

The device may be installed only by a qualified person. Mount the temperature sensor on the boiler outlet using a cable tie 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. OPERATION

The temperature for switching on the circulation pump (), the tank temperature () and hysteresis () can be changed as follows:

- press the MENU button until the letter appears on the display



- set the desired temperature using the Plus and Minus buttons - after a few seconds the thermostat will automatically switch to operating mode and the current collector temperature will be displayed. Hysteresis Used to set the temperature difference (collector and tank), at which the pump will be switched on. Thermostat function

 – maximum tank temperature –
 – switching on the circulation pump –
 – hysteresis

Warning: A lightning strike can damage this electrical device, therefore disconnect the thermostat from the power supply during a thunderstorm.



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5. TECHNICAL INFORMATION

Supply voltage	230V 50Hz ±10%
Ambient temperature	-10...+50°C
Switching current	6 A
Temperature measurement range	0...150°C
Temperature setting range	TUV 20...80°C
Adjustable tank hysteresis	10...30°C
Maximum sensor temperature	-10...150°C
Sensor length	Tank temperature sensor 3m boiler temperature sensor 2 x 0,6m

Information on the disposal of electrical and electronic equipment



Devices marked with this symbol must not be disposed of together with normal municipal waste. Instead, they must be properly recycled to protect the environment and reduce the waste of rare resources. Your local waste authority will provide information on the correct disposal of electrical and electronic equipment.