SN-21 HOT AIR BLOW CONTROLLER

Rated voltage range	230 V 50 [Hz]
Power supply type	Alternating current ~
Rated current of the FANOUTPUT230V/50Hz	2 Ampere [A]
CONTROLLER POWER CONSUMPTION	2 Watt [W]
BOILER TEMPERATURE MEASUREMENT RANGE	from 1 °C to 125 °C
FAN ACTIVATION TEMPERATURE SETTING RANGE	from 35 °C to 80 °C
Rated impulse voltage	250 V
Enclosure protection degree	IP20
Degree of contamination inside the controller	2
Degree of contamination outside the controller	3
	T40
	Protection class II

WARRANTY

HIGHER company guarantees the buyer the proper functioning of the device for a period of 24 months from the date of sale. In case of failure, the cleaned device should be delivered to the place of purchase, enclosing this warranty with the confirmed date of purchase and a photocopy of the proof of purchase. The guarantor undertakes to repair the device free of charge if the defects occurred through the fault of the manufacturer.

The warranty does not cover damage resulting from improper use or the user's fault; mechanical damage or damage resulting from lightning strikes, overvoltage or short circuits.
The warranty without the attached receipt (invoice) of purchase with the date of sale and signatures is void. It is advisable to attach a short description of the found defect. The sender's exact address and telephone number should be included in the shipment.

22.09.2023

…… …… …… ..
production date

……
seller's stamp

……..
date of sale

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PRINCIPLE OFOPERATION

The SN-21 hot air blow controller is designed to control the blower fan. The controller's task is to turn on the blower fan if the temperature exceeds the set value and turn it off if the boiler cools down (e.g. as a result of extinguishing). This prevents unnecessary operation of the blower fan, which saves electricity and extends the life of the fan. This increases its reliability and reduces operating costs.

OPERATION OF THE SN-21 HOT AIR BLOW CONTROLLER

Use the "+" or "-" buttons to set the activation temperature of the blower fan. The display will show the set temperature of the blower fan switching on at all times.

SN-21 CONTROLLER MENU

Enter the MENU through brief pressing the **START/MENU/STOP** key. There are 4 parameters to set there

1. **PC - CONTINUOUS OPERATION** - press the **START/MENU/STOP** button again

(1 OR 0) will appear, 1 means continuous operation. From the beginningofswitching on the SN-21 controller, regardless of the boiler temperature, the fan is running and the "CONTINUOUS OPERATION" and "FAN" LEDs are lit (in continuous operation the fan is always running). When you select 0, it means a return to AUTOMATIC OPERATION. **2. Ob - FAN SPEED** - press the **START/MENU/STOP** button again A value between "30" and "99" will appear. The value "30" means minimum speed, the value "99" means the fan works at maximum speed. When the temperature on the boiler reaches **90 °C**, the controller will set the speed to "99". This increases the boiler efficiency and prevents the boiler from overheating. **3. bU - TURNING THE SOUND SIGNALING ON OR OFF** - press the **START/MENU/STOP** button again The parameter "1" or "0" will appear. "1" means sound signaling is on, "0" means signaling is off. **4. Uf - FACTORY SETTINGS** - press the **START/MENU/STOP** button again The parameter "0" will appear. By setting the parameter to "1", you return to factory settings (maximum fan speed (99), fan activation temperature 50°C)

NOTE!!!
AFTER EACH SETTING OF THE RELEVANT PARAMETER, CONFIRM THE SETTINGS BY PRESSING THE START/MENU/STOP KEY

NOTE!!!

By pressing and holding the START/MENU/STOP key, you can see what the actual temperature on the boiler is. For example, when it is 91 °C, the display will show 00 (hundreds) and then 91 (tens and ones). When the boiler is at 121 °C, the display will first show 01 and then 21.

INSTALLATIONMETHOD

The installation should be performed by a personwith appropriate electrical qualifications!

The sensor should be attached to the boiler outletusing a clamping band and isolated from external factors using insulation tape. The pump power supply cable shouldbeconnected as follows: blue and brown - 230 V, yellow-green (protective) should be connected to the protective terminal.

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The sensor should beattachedto the"hotair boiler wall".Thepump powersupply cableshouldbeconnectedas follows: blue and brown - 230 V, yellow-green (protective) should be connected to the protective terminal.

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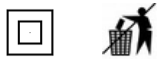
NOTE!!!

Live electrical device!

Before performing any installation-related activities (connecting wires to the blower fan, installing the device, etc.), make sure that the controller is not connected to the mains! It is forbidden to unscrew the controller, insert any objects into the controller. The controller must be isolated from dirt and moisture. Damage to the housing may cause electric shock! The device requires connection to a grounded mains!

It is forbidden to immerse the sensor in liquids, e.g. oil!!!



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The parameter "1" or "0" will appear. "1" means sound signaling is on, "0" means signaling is off.

4. Uf - FACTORY SETTINGS - press the **START/MENU/STOP** button again

The parameter "0" will appear. By setting the parameter to "1", you return to factory settings (maximum fan speed (99), fan activation temperature 50°C)

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