

# **Controller SP- 10-2P**

Notes for steering:

1. Controller begins to work after 2 seconds from switching the power, going into firing mode, if light-up time is set to a value greater than zero. Otherwise (when the light-up time is set to 0), the controller switches to the normal mode.
2. Blocking the blower ( start/stop) causes the blocking of the menu simultaneously. On the display should be shown the lock of the blower. The blower will be unlocked only by the user. Note!!! In case of power failure, the controller starts to work from firing mode automatically attaching the blower.
3. In order to enter the menu you should press and hold a button F, further pressing the key causes the scrolling through the available options. Keys (+) and(-) are used to change the values of adjustable size.
4. Exit from the menu is after 8 seconds from the last pressing of the keys.
5. Changing the lighting time will reload this time and will begins the firing cycle once again.
6. While the priority function is switching on ,the pumps work in priority. The hot tap water pump activates firstly( C.W.U). Central heating pump is switched on only after reaching the tank temperature. Hot water pump (C.W.U) works on the basis of temperature difference. When the priority function of C.W.U pump is off, the controller heats the water to the set temperature of a tray and then switches to the set temperature of the furnace. It serves it in order to obtain a greater water temperature than in the heating system.
7. When the function priority is switched on, the pumps work independently, without the priority for the hot water pump (C.W.U.)
8. Summer mode blocks the pump of central heating (C.O.), only pump of hot water works ( C.W.U). Pump C.O. turns on only in case when the boiler reaches a temperature of 90 ° C . It is a function which protects the boiler against the overheating.
9. The controller is equipped with a system to prevent sticking of the pump so called anti- stop function.
10. In anti -stop mode pumps are activated for the first time after 5 minutes to 15 seconds. Only after the first firing occurs a countdown of 14 days for the next run. This solution also protects the Anti-Stop system in case of power failure .The time in Anti-Stop mode is measured from the last run of the pumps.

The controller has a security in the form of a fuse 6.3 A. The controller is equipped with an audible alarm which sounds after exceeding the temperature of 85oC.

Connecting the power supply of pump CO:

1. To terminal  $\equiv$  yellow-green wire
2. To terminal N blue wire
3. To terminal L brown wire

## **Installation instructions**

The installation should be done by the person having the proper electrical qualifications. The sensor should be placed at the exit of the boiler by the wire-tie and isolated from the external factors by the isolation tape(it cannot be immersed in any liquid). The power cord for the pump should be connected in the following way: blue-brown- 230V, yellow-green(protective) should be connected to the ground. The controller has the thermal security which should be installed together with the central heating sensor. This is the additional security which in case

of the failure of the controller, at 90 °C, cuts off the power supply to the blower. Information concerning disposal of electrical and electronic appliances.



**Guarantee**

The producer ensures the buyer that the product will work faultlessly for 24 months since the date of sale. The guarantor promises to repair the appliance, if the failures occurred due to his fault. The appliance should be delivered to the place where it was bought, enclosing this guarantee with the confirmed date of purchase. All the expenses connected with it will be due to the user. The guarantee does not cover the failures caused as a result of lightning strikes Or short circuits. The guarantee for the sold commodity does not exclude, restrict nor suspend the rights of the buyer resulting from the inconsistency of the commodity with the agreement.

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PRODUCER

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DATE OF SALE