

Controller SP-18 Control Smart Multi

Intelligent Controller- in order to steer the burning process of wood, coal, fine coal. The use of new algorithm which is control smart, makes that the device is fully universal and adapted to control the blower, pump of central heating (C.O.), pump of hot tap water (c.w.u.) and the supplier for all types of boilers for solid fuels.

The user has an option of choosing 6 versions of the working modes, which depend on the type of the fuel and type of the boiler.

First thing that the user has to do before the exploitation is to set the temperature of the oven, which the controller has to keep during the boiler's work and choose the proper controller's working mode in menu (F).

Function F1-wood and coal(continuous power of the blower)

Function F2 wood (power of the blower 20%+blow-offs)

Function F3 coal (power of the blower 50%+blow-offs)

Function F4 fine coal (power of the blower 100%+blow-offs)

In functions from F1 to F4, it is a power of the blower, the temperature of activating the central heating pump and hot tap water pump, the temperature of damping the stove, the controller automatically adjust thanks to using the algorithm control smart. The power of the blower is lowered in the function F1, when the temperature of the boiler is going to reach the temperature of the stove set by the user. The damping of the boiler is in the range between 35 ° C to 50 ° C, heating pump is activated in the range between 30 ° C to 40 ° C, depending on the set temperature of the stove. Hot tap water pump (C.W.U) works on the temperature difference, it means that the pump switch on at the moment in which the boiler's temperature exceeds tray's temperature.

F5- this function has a use to control a tray. The user sets the time and breaks in supplying the fuel. The work of the central heating pump, hot tap water pump and the blower in that function is regulated automatically, likewise in functions from F1 to F4.

F6- lets regulate all the parameters of the controller work, that is the temperature of activating the central heating pump, central heating pump, power of the blower, breaks and the length of the blow-offs, temperature of lighting the stove.

In functions F5 to F6 on the display should be shown a counter which countdowns the time of supplying the fuel which helps to the user to set the work of the tray.

In all options there is a possibility to choose the priority of hot tap water pump and summer mode.

P FUNCTION(priority)- while the priority function is switching on ,the pumps work in priority. The hot tap water pump activates firstly(C.W.U). Storage heating pump is switched on only after reaching

the set temperature. When the priority function is off, pumps work independently without priority for the hot tap water pump.

L function (summer mode) - blocks the pump of central heating (C.O.), the pump of hot tap water only works (C.W.U.). Pump C.O. turns on only in cases when the boiler reaches a temperature of 90 ° C. It is a function which protects the boiler against the overheating.

The pump and supplier for continuous operation.

Holding down the button F and + simultaneously causes the continuous operation of the central heating pump. The pump will work until the user switch it off manually by holding down the button F and the button +.

Holding down the button F and - at the same time will activate the hot water pump for continuous operation. The pump will work to the point where the user manually turns it off by holding the button F and -.

THE LOCK OF THE BLOWER

To block the blower you need to press the symbol (STRAT/STOP) . On the LCD there will be announcement STOP PRACY PIECA. To unlock the blower you need to press the symbol (START/STOP)again.

Service options

In service options you can change the type and power of the blower during the firing up. Entering the service options is possible by switching off the power and again switching it on by holding the [F] symbol, then pressing the buttonsΔ0.

d- type of blower

d1-WPA120 blower

d2-DP-01, DP-02 blower

d3-RV-14 blower

d4-DP-120 blower

F1- the maximum power of the blower during the lighting , only for the F1 function in the menu

F2- break in the blow-off for the thermostat function

After setting the type and power of the blower, after 5 seconds the controller will automatically switch to the options set in the service parameters.

Alarm system.

The controller possesses an alarm system, which warns the user, if the boiler's temperature exceeds 85C. In the case of ignition of fuel in the screw tray, the controller will activate a screw for 30 min., in order to transfer the fuel and to prevent a fire.

The message " tray's overheating " will be displayed when the temperature of tray is 60 C, in order to delete the message turn off and switch on the controller, by using the power key.

The controller has an additional thermal protection, which should be mounted with the temperature's sensor in place recommended by the boiler's producer. Do not place the sensors in a liquid.

The controller should be mounted on the boiler in an open system according to polish norms.

The temperature of boiler's work is changed by usin keys +/- . The temperature is regulated in range from 40C to 85C.

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.



The symbol shown above placed on the products or the enclosed documentation informs that the faulty electrical or electronic appliances cannot be thrown away together with the domestic waste. The correct way in case of disposal, reuse or recycling of actuators is to give the appliance to the specialized waste collecting centers, where it will be taken free of charge. In some countries you may give your product away to the local distributor while buying another appliance. The correct utilization of the appliance enables preventing the precious resources and avoiding the negative impact on health and environment, which may be endangered by the improper conduct with the waste. You can get the specific information concerning the nearest collection point at the local authorities. The incorrect utilization of waste is subject to penalty provided in the appropriate local provisions.

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