

## Basic functions

The controller divides the burning process into 8 burning phases, to ensure an optimal combustion. Each burning phase is divided into special temperature ranges.

The flue temperature sensor measures and controls the temperature. Depending on which temperature is measured, the air damper opens or closes as a percentage.

The preset temperature values and the opening degree of the air damper can be individually adjusted for each burning phase.

If the burning process is coming to an end, the air damper closes tightly to prevent the stove from cooling down too quickly and to store the gained heat in the heat storage as long as possible.

## Profits by using the fireplace controller

- The burning process is regulated automatic and optimized.
- Maximum heat storage time.
- The ember phase is extended.
- The premature cooling of the stove is prevented.
- The time of reloading is delayed.
- Optical and acoustic signal when wood can be added.
- The maximum temperature in the combustion chamber can be limited.
- Switch between automatic and manual operation.
- The lifetime of the stove is extended.
- The heating safety is increased.
- Ecological use: Lower dust emissions.

By using this fireplace controller you optimize the combustion of your stove and you can save up to 30% of firewood.

## Safety in emergency situations

In emergency situations (also in case of a power failure) the air damper opens. The controller is equipped with an own emergency power supply. In case of a power failure it maintains the operation up to 8 seconds (allows switching on an external power supply during this time).

In case of a power failure for longer than 8 seconds, the air damper opens to 100%.

## Scope of delivery

The basic equipment of the fireplace controller contains all necessary elements to control the combustion in the stove:

- Controller unit with front cover (white frame, black frame, titanium frame)
- Flush-mounted installation box
- Air damper, tightly closing (sizes: 100mm, 120mm, 150mm)
- Flue temperature sensor type K (heat resistant up to 1200°C)



Flue temperature sensor type K

Air damper, tightly closing

## Additional device connecting option

- Door contact switch (increases safety and comfort)
- Chimney cowl (increases the chimney draft)
- Carbon monoxide sensor (If CO values are exceeded, the air damper opens to 100%.)
- Chimney tee/Moritz flap (appropriate warm air distribution)
- Relay connection for an external device (siren, ventilation, etc.)
- Additional flue temperature sensor

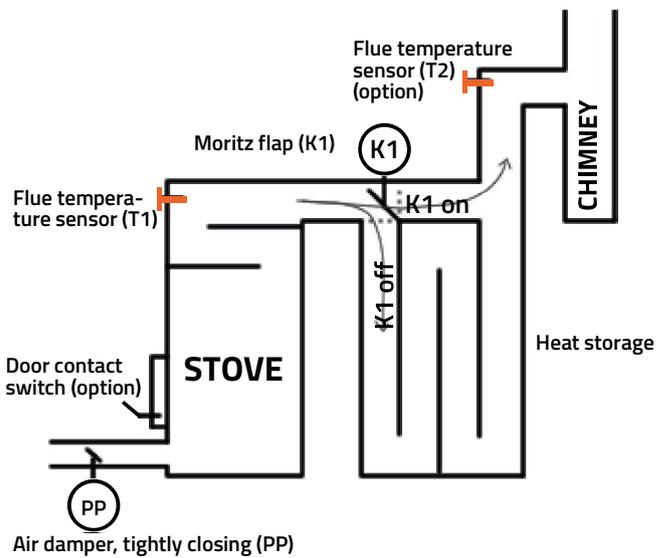


Door contact switch (option)



Chimney cowl (option)

## Mounting scheme

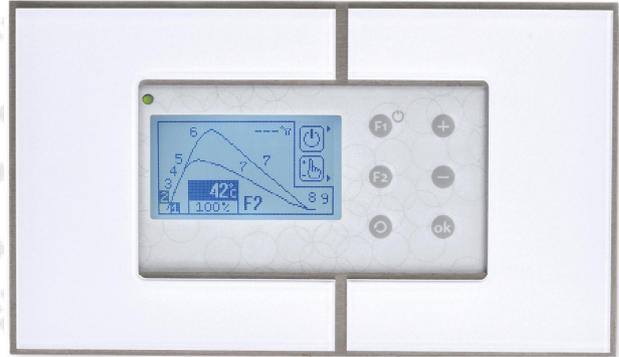


## Technical specifications

Power supply	230V/50Hz
Voltage-free output	1 x (Relay)
Air damper output	1 x 5V/500mA/DC
Output for damper actuator, chimney cowl or ventilation	1 x 250W/230/50Hz
Flue temperature sensor	Flue temperature sensor type K (0-1200°C)

Ask your stove builder for advise

TATAREK®



WHITE FRAME DESIGN

BLACK FRAME DESIGN



## Fireplace controller RT08-OSG

**The controller RT08-OSG is dedicated to masonry heaters, tiled stoves and other heat retaining fireplaces.**

It controls the flue temperature above the combustion chamber and manages the entire wood burning process.

Its main task is to heat up quickly, to store the gained heat as long as possible in the heat storage and to protect the stove against cooling too quickly.

The controller works together with an air damper and a flue temperature sensor in order to achieve an optimum burn-up and to direct the maximum amount of warm air into the heat storage. This function is guaranteed by initiating various firing phases, which can be individually adapted to the stove.

The maximum temperature in the combustion chamber can be limited by using the controller, what extends the lifetime of the stove.