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1. INTRODUCTION

Our congratulations for having purchased a quality product.

To ensure a trouble-free functioning of your appliance we recommend you to thoroughly read through the present instructions and to strictly observe the suggestions contained herein at all times.

By cleaning and servicing your appliance regularly and expertly you will ensure a long-lasting functioning over many years.

RIKA is always ambitious to provide an excellent service. Have a good time, enjoying the cosy warmth of your RIKA stove as often as you wish.

RIKA Innovative Ofentechnik GmbH

2. COMMISSIONING

General view of interfaces

External request

- External room thermostat*
- Contactor (e.g. exhaust hood)*
* remove cable bridge and connect a 2-pin cable with a section between 0.5 and 0.75mm² instead.

It will take approximately 1 minutes for your stove to shut down after receiving an external shut-down request.

Note
Operation is not possible unless either the cable bridge, or an external request (e.g. an external room thermostat) are connected. The external request has priority over all operating modes (MANUAL / AUTOMATIC / COMFORT).

Serial interface

- RIKA room sensor/ RIKA radio room sensor (available on request)
- RIKA GSM Control (available on request)

USB connection

- Flash drive (included in the delivery)
- RIKA firenet (available on request)

First steps

Note
Manipulations on hardware components may only be performed by a trained expert dealer or our customer service. Inappropriate handling of these parts will void contractual and legal warranty claims!

Note
The appliance may only be put into operation if fully assembled!

Before your appliance is energised for the first time, the flash drive (included in the delivery) must be inserted into the interface provided for that purpose at the rear side of the stove.

Install the software as described in the attached instructions.

After the unit is connected to the mains, the display changes to Language Selection.

Select a language. Subsequently, adjust date and time.

Tip
To prevent incorrect input, only the permissible digits are released for each input step.

The “C” button deletes the input within a selected display box.

In case of erroneous entry, depress the appropriate box to make a new entry.

If all data have been entered correctly, an Enter button appears. By pressing this button, the input is confirmed and the data are saved.

Tip
Both language selection and setting of date and time must only be carried out on initial operation.
### 3. MENU NAVIGATION

Your stove is equipped with a state-of-the-art control system. You can control all functions on the intuitive touch display. The surface of the touch display responds to both finger pressure and touch pen.

**Note**
Do not use sharp-pointed objects to operate the appliance so as to prevent damaging the surface of the touch display.

**Navigation**
The complete controls of your appliance include 4 main menu levels:

- **HOME**
  Controls: Unit start (stop), regulation of heating power / set ambient temperature, display of current stove state, active info

- **OPERATING MODES**
  Range: Manual mode, automatic mode and comfort mode

- **SETTINGS**
  Setting: Heating times, Multi-air, frost protection, RIKA room sensor, ...

- **INFO**
  Display: flame temperature, total operating hours, total ignitions, software version, ...

### Standard functions

Each stove model provides the following standard functions:

- **Decreases the heating output**
- **Increases the heating output**
- **Off**
- **Start / Standby**

**Note**
To avoid involuntary starting or switching off, either button must be depressed for 2 seconds.

**Note**
If your stove is shut off during the operating states **IGNITION** or **INITIAL PHASE**, the display will switch to **BURN-OFF** only after a few minutes.

### Cleaning function

In addition to the standard functions, stove models with an automatic grid dispose of a cleaning function.

- **Grid turning into cleaning position**
- **Show additional functions**

**Note**
Turning of the grid is only possible during the operating state **STOVE OFF** at a firebox temperature below 80°C!
Door opener
In addition to the standard functions, some stove models dispose of a door opening function.

Opening the decorative glass door

ECO function
In addition to the standard functions, some combi stoves dispose of an ECO function.

Switching to the Eco mode of operation

Active info
The ‘Active info’ displays whether or not a module is connected or enabled.

HEATING TIMES
standard function

ROOM SENSOR
only with RIKA room sensor / RIKA radio room sensor

GSM
Only with RIKA GSM Controlo

FROST PROTECTION
only with RIKA room sensor / RIKA radio room sensor

RIKA firenet
only with RIKA firenet

Note
More detailed information on the different options can be found in the respective instructions.
**4. OPERATING MODES**

In the main menu OPERATING MODES you can switch between three different operating modes: Manual, Automatic and Comfort.

### Manual mode

Your stove operates at a heating power preset by you.

The recommended output range is between 50 % and 100 %. If you wish to select a lower heating output, keep pressing the minus button for 2 seconds. Now you can set the heating output within the range from 30 % to 50 %.

**Tip**

Running the stove at the recommended range from 50% to 100% of the heating capacity will cause less sooting of the firebox and the door glass.

### Automatic mode

Your stove operates at the heating power preset by you during the heating times, as saved. Outside the heating times your stove is in the **STANDBY** operating state.

**Tip**

If you select the automatic mode although no heating times are saved, the symbol “heating times” will be flashing.

**Note**

The stove may only be started in the **STANDBY** operating state. In the operating state **STOVE OFF** it is not possible to start up the stove.

### Comfort mode

During the heating times, as saved, your stove keeps a nominal room temperature preset by you.

Outside the heating times, it is possible to adjust a setback temperature. If the room temperature drops below the adjusted setback temperature, your stove will start outside the saved heating times as well.

In this operating mode, heating times may be disabled as well. In this case, your appliance will permanently heat the room to the nominal temperature you set.

**Note**

The stove may only be started in the **STANDBY** operating state. In the operating state **STOVE OFF** it is not possible to start up the stove.

**Note**

The comfort mode may only be selected if a RIKA room sensor is connected.

---

**Heating up without electrical ignition**

If the ignition cartridge of the appliance should fail, firelighters can be used to ensure an emergency operation. First, start the stove as usual. Wait for the cleaning cycle and for the grid to tip. Then open the firebox door and place a handful of pellets, along with the firelighter, into the cleaned fire trough and light it up, subsequently closing the firebox door.

**Attention**

Do not use any flammable liquids to light up the fire!
5. SETTINGS

The main menu SETTING is provided to set, among others, the heating times, Multi Air blower, frost protection etc.

Heating times

Using the heating times program you can operate your stove according to the heating schedule. Activating heating times (ON) gives access to setback temperature (only with RIIKA room sensor), and the heating times program.

In the heating times program, single weekdays, or a couple of weekdays can be marked simultaneously (highlighted in ORANGE).

Upon selecting heating time I or heating time II you can enter the ON and OFF times you require for the marked weekdays.

Weekdays that have already been programmed are highlighted in GREEN when re-accessing the heating times program.

Tip
As soon as a weekday is marked, the saved heating times are displayed.

If a number of weekdays are marked, only the identical heating times are displayed. If the heating times differ from each other, hash keys (##:##) are displayed.

Tip
If your stove does not start up although heating times have been saved, please check if they are enabled (ON) and if your stove is in STANDBY operating state.

Multi Air fan

Enabling the Multi Air fan (ON) you get access to fan speed and fan adaptation.

Fan level
The volume of convection air is adjustable from AUTO (adapts automatically according to heating power), over to Level 1 (min) and level 5 (max).

Fan area
In addition, it is possible to adapt the Multi Air fan speed (AUTO, level 1 to level 5) within +/- 30% of fan speed.

Frost protection

If this function is enabled (ON) and if the room temperature drops below the set value (2°C - 10°C), your stove will start working.

This applies also outside the heating times and in operating state STOVE OFF.

RIKA room sensor

For more information on this option, please consult the operating instructions room sensor / RIIKA radio room sensor. If there is a room sensor built in you get access to tempreture adjustment and power requirement.

Temperture adjustment
It is possible to adjust the temperature shown in the infomenu.

Power requirement
(factory setting 3). The heating power is adjustable from level 1 (for small rooms) to level 4 (for big rooms).

RIKA firenet

For more information on this option, please consult the operating instructions RIIKA firenet.

GSM

For more information on this option, please consult the operating instructions RIIKA GSM Control.

Screen Saver

Sets the time interval (OFF, from 1 min to 30 min) for activating the screen saver.

Child lock

If this function is enabled (ON), a 4-digit code can be saved. Now, the screen saver may only be disabled by entering the saved code.

Date/time

Sets date and time.

Language selection

Selects the desired language.

Resets

Kg till cleaning
Resets the supply rate to 700 - 1500 kg after a service has been carried out.

Factory setting
Resets all stove settings to the factory setting.

Note
This reset may only be performed if the stove temperature is below 80°C!

Logging

Only for service technicians.

Service

Only for service technicians.
6. INFO

In the main menu INFO you can retrieve the most important parameters.

### Parameters

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operat. hours pellets</td>
<td>Total operating hours in pellet mode (0 - 99999)</td>
</tr>
<tr>
<td>Feed rate total [kg]</td>
<td>Total pellet feed volume (0 - 99999)</td>
</tr>
<tr>
<td>Kg till cleaning</td>
<td>Remaining pellets feed volume until next cleaning (1500 – 0)</td>
</tr>
<tr>
<td>Operat. h. split logs</td>
<td>Total operating hours in split log mode (0 - 99999)</td>
</tr>
<tr>
<td>Ignition counter</td>
<td>Total ignitions (0 - 99999)</td>
</tr>
<tr>
<td>ON/OFF cycles</td>
<td>Number of power failures</td>
</tr>
<tr>
<td>Main State</td>
<td>Main operating regulation state</td>
</tr>
<tr>
<td>Sub State</td>
<td>Secondary operating regulation state</td>
</tr>
<tr>
<td>Stove type</td>
<td>Name of appliance</td>
</tr>
<tr>
<td>Software stove</td>
<td>Software version stove control</td>
</tr>
<tr>
<td>Software display</td>
<td>Software version touch display</td>
</tr>
</tbody>
</table>

### Inputs

- **Flame temperature [°C]**
  - Current firebox temperature

- **Room temperature [°C]**
  - ACTUAL temperature in the room only with RIKA roomsensor

- **Ext. Request**
  - External request enabled (ON) or disabled (OFF)

- **Pressure switch**
  - Sufficient low pressure in the firebox to ensure operation (ON), or insufficient (OFF)

- **Grid contact**
  - Grid in heating position (ON) or other position (OFF)

### Outputs

- **Discharge motor [%]**
  - Actual speed (0 - 1000)

- **Discharge motor current**
  - Actual current consumption (0 - 120)

- **Flue gas fan [1/s]**
  - Actual speed (0 - 2500)

- **Insertion motor [%]**
  - Actual speed (0 - 1000)

- **Insertion motor current**
  - Actual current consumption (0 - 120)

- **Air flaps**
  - Current position (0 - 1000)

- **Grid motor**
  - Actuated (ON) or in rest (OFF)

- **Multi Air fan**
  - Actuated (ON) or in rest (OFF)

- **Multi Air fan 2**
  - Actuated (ON) or in rest (OFF)

- **Ignition element**
  - Actuated (ON) or in rest (OFF)
7. EXTENDED OPERATING MODES - PELLETS / LOGS

Your combi stove features an automatic fuel recognition and a combustion regulation. Operation may any time switch between pellets and logs.

**Note**
It is imperative to use the feed rates as indicated in the instructions manual of your stove, without any exception.

**Note**
During the whole period of log operation the functions of heating time, room temperature and frost protection, as well as the external request are disabled. These functions will not be re-activated before log operation has finished.

Correct heating up

**Note**
Do not use any flammable liquids to light up the fire!

Open the firebox door and place 2 small pieces of chipboard in longitudinal direction to either side of the firebox floor.

Place 2 or 3 logs crossways onto the chipboard.

Now place more chipboard pieces crossways and add 2-4 ribs of the RIKAI firelighter on top of the chipboard. If necessary, some uncoated paper can be placed under the chipboard instead of the firelighter.

Now set the RIKAI firelighter (or the uncoated paper) alight and close the firebox door.

**Note**
Be sure that the combustion trough is empty as the grid will tip after the firebox door has been closed.

Tip
The RIKAI firelighter no. E15834 is available from your RIKAI dealer.

Automatic log operation

The automatic burn-off regulation shows the following sequence:

- **LOG CHECK**
  Your stove checks if logs have been placed.

- **LOG OPERATION / ECO OPERATION**
  Your stove ensures optimum log burn-off.

- **PLEASE RELOAD**
  Your stove indicates the time you should add more logs.

- **DO NOT RELOAD**
  Your stove reports that no ignition can be ensured after logs have been added.

Eco Operation

For a small amount of fuel (partial load) you should use the ECO OPERATION mode. Under 'Extended functions', after closing the firebox door you can switch to ECO OPERATION - the operating state LOG CHECK will change to ECO OPERATION.

**Note**
The ECO OPERATION mode is only possible after the first burn-off!
Current-free log operation

**Note**
Your stove must be disconnected from the mains for current-free operation.

**Note**
Any modification of the procedure stated above may result in damaging of components, which automatically will void any warranty claims.

Insert the socket spanner supplied in the sleeve, as shown.

Turn it clockwise until a slight stop can be felt.

Remove the socket spanner from the opening and insert it again in horizontal position.

Turn the spanner ant-clockwise until it is flush with the marking in the side panel (approx. 45°). It is now in heating up position.

After heating-up has been successful, turn the spanner anti-clockwise step by step to reduce the combustion air manually, thus regulating the burn-off.

Each time logs are added, the spanner must be brought into heating up position again. The combustion air is regulated as described above.

**Note**
Always ensure that the stove has enough air for combustion.

Combined operation

**Automatic ignition of firewood during start-up**
Place two logs into the firebox. Be sure that at least one of the logs lies above the combustion trough to facilitate burning. Close firebox door.

Start stove operation. After ignition has been successful, the operating state **IGNITION** switches to **LOG CHECK**, and after successful log recognition to **LOG OPERATION**.

**Note**
If no more logs are reloaded, pellet operation starts automatically again as the unit is still on.

**Automatic log detection during operation**
Open the firebox door and place 2 logs into the box. Be sure that at least one of the logs lies above the ignition trough to facilitate burning.

Close firebox door. The operating state switches from **CONTROLLED OPERATION** to **LOG CHECK**, and after successful log recognition to **LOG OPERATION**.

**Note**
If no more logs are reloaded, pellet operation restarts automatically as the unit is still on.

If you switch the combi stove off during log operation, the operating state will change to **STOVE OFF** after the logs have burned down.

Easy-refilling operation

In order to reduce the discharge of fluegas when refilling logs there is a easy-refilling operation available.

Open the fluegas flap

Wait about 3 seconds before you open the combustion chamber door to refuel.

After closing the combustion chamber door, turn the wrench clockwise to close the fluegasflap.

**Tip**
If the flue gas flap is open, a warning appears on the display. It expires when you close the flue gas flap.

**Note**
Pellet operation is not possible with an opened flue gas flap.
# 8. NOTES, WARNINGS AND ERROR MESSAGES

To ensure trouble-free functioning, your stove is equipped with a number of safety devices.

## Notes

### Note

<table>
<thead>
<tr>
<th>Meaning</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>A unit cleaning is required.</td>
<td>Perform a thorough cleaning according to the operating manual. Select the <strong>Setup menu / submenu Resets</strong>. Reset the &quot;kg till cleaning&quot;.</td>
</tr>
<tr>
<td>The mainboard battery is empty or defective.</td>
<td>Heating operation can continue but after each power failure you must reenter date, time and heating times.</td>
</tr>
<tr>
<td>After each power failure the air flaps are calibrated anew.</td>
<td>Wait until procedure is finished (up to 5 min).</td>
</tr>
</tbody>
</table>

## Warnings

### Warning

<table>
<thead>
<tr>
<th>Meaning</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>The pellet hopper lid is open.</td>
<td>Close pellet hopper lid.</td>
</tr>
<tr>
<td>The firebox door is open.</td>
<td>Close firebox door.</td>
</tr>
<tr>
<td>The firebox door and/or the pellet hopper lid are open.</td>
<td>Close firebox door and/or pellet hopper lid.</td>
</tr>
</tbody>
</table>

### Warning

<table>
<thead>
<tr>
<th>Meaning</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Burn-back flap and flue gas flap are not in heating position.</td>
<td>Enable burn-back flap and flue gas flap.</td>
</tr>
<tr>
<td>The flue gas flap is not in heating position.</td>
<td>Close flue gas flap.</td>
</tr>
<tr>
<td>The pressure ratio between installation room and firebox does not allow further operation.</td>
<td>Check the stove for tightness (firebox door, cleaning lid), for disturbing factors in the installation room (kitchen hood, windows closed,...), as well as the flue.</td>
</tr>
</tbody>
</table>

### Warning

<table>
<thead>
<tr>
<th>Meaning</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>No signal to the (radio) room sensor.</td>
<td>Check if the (radio) room sensor is connected properly. Check the control lamp of the receiver and if necessary, replace the batteries in the sender.</td>
</tr>
</tbody>
</table>
**Error messages**

If an error occurs, your stove switches over to the operating state **BURN-OFF**. After the appropriate measure has been taken, your stove is ready for operation again.

*Note*

If the error messages appear again and again, please contact the customer service without delay.

<table>
<thead>
<tr>
<th>Error</th>
<th>No.</th>
<th>Meaning</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>![Image](NO PE1.png)</td>
<td>#00</td>
<td>Insufficient amount of pellets in hopper.</td>
<td>Top up pellets and quit error message.</td>
</tr>
<tr>
<td>![Image](PELLET HOPPER LID OPEN.png)</td>
<td>#01</td>
<td>Pellet hopper lid has not been closed.</td>
<td>Close pellet hopper lid and quit error message.</td>
</tr>
<tr>
<td>![Image](DOOR OPEN.png)</td>
<td>#02</td>
<td>Firebox door has not been closed.</td>
<td>Close firebox door and quit error message.</td>
</tr>
<tr>
<td>![Image](DOOR OR PELLET HOPPER LID OPEN.png)</td>
<td>#01/02</td>
<td>Firebox door and/or the pellet hopper lid have not been closed.</td>
<td>Close firebox door and/or pellet hopper lid and quit error message. Evacuate or clean combustion trough and the ignition tube. Quit error message. Check for blocking of grid in the combustion trough area and quit error message.</td>
</tr>
<tr>
<td>![Image](NOT IGNITED.png)</td>
<td>#03</td>
<td>Ignition cycle has failed.</td>
<td></td>
</tr>
<tr>
<td>![Image](GRID DEFECT.png)</td>
<td>#04</td>
<td>The turning grid cannot complete his tipping cycle.</td>
<td></td>
</tr>
<tr>
<td>![Image](FLAMESENSOR DEFECT.png)</td>
<td>#05</td>
<td>The firebox temperature cannot be measured.</td>
<td>Clean flame temperature probe and acknowledge error message.</td>
</tr>
<tr>
<td>![Image](DISCHARGE MOTOR DEFECT.png)</td>
<td>#06</td>
<td>The discharge motor cannot be actuated properly.</td>
<td>Quit error message.</td>
</tr>
<tr>
<td>![Image](INSERTION MOTOR DEFECT.png)</td>
<td>#07</td>
<td>The insertion motor cannot be actuated properly.</td>
<td>Quit error message.</td>
</tr>
<tr>
<td>![Image](DISCHARGE MOTOR JAMMED.png)</td>
<td>#08</td>
<td>The discharge motor is blocked.</td>
<td>Further operation not possible, please inform customer service.</td>
</tr>
<tr>
<td>![Image](INSERTION MOTOR JAMMED.png)</td>
<td>#09</td>
<td>The insertion motor is blocked.</td>
<td>Quit error message.</td>
</tr>
<tr>
<td>![Image](AIR FLAPS DEFECT.png)</td>
<td>#10</td>
<td>The air flaps are not in correct position.</td>
<td>Quit error message.</td>
</tr>
</tbody>
</table>
### Error 11: Burn-back and Flue Gas Flap

<table>
<thead>
<tr>
<th>No.</th>
<th>Meaning</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>#11</td>
<td>Burn-back flap and flue gas flap are not in heating position.</td>
<td>Quit error message and enable burn-back flap and flue gas flap.</td>
</tr>
</tbody>
</table>

### Error 12: Flue Gas Flap

<table>
<thead>
<tr>
<th>No.</th>
<th>Meaning</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>#12</td>
<td>Flue gas flap is not in heating position.</td>
<td>Close flue gas flap and quit error message.</td>
</tr>
</tbody>
</table>

### Error 13: Not Enough Low Pressure

<table>
<thead>
<tr>
<th>No.</th>
<th>Meaning</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>#13</td>
<td>The pressure ratio between installation room and firebox does not allow further operation.</td>
<td>Quit error message and check the stove for tightness (firebox door, cleaning lid), disturbing factors in the installation room (kitchen hood, windows closed, ...), as well as the flue.</td>
</tr>
</tbody>
</table>

### Error 14: Stove Overheated

<table>
<thead>
<tr>
<th>No.</th>
<th>Meaning</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>#14</td>
<td>Heat accumulation inside the appliance due to insufficient convection.</td>
<td>Allow the stove to cool down and disconnect it from the mains. Unblock (press) the safety temperature limiter (rear side of stove). Check if the convection air openings are free.</td>
</tr>
</tbody>
</table>

### Error 15: Communication Discharge Board

<table>
<thead>
<tr>
<th>No.</th>
<th>Meaning</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>#15</td>
<td>The discharge motor cannot be actuated properly.</td>
<td>Allow stove to cool down. Interrupt power supply for about 10 sec.</td>
</tr>
</tbody>
</table>

### Error 16: Communication Insertion Board

<table>
<thead>
<tr>
<th>No.</th>
<th>Meaning</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>#16</td>
<td>The insertion motor cannot be actuated properly.</td>
<td>Allow stove to cool down. Interrupt power supply for about 10 sec.</td>
</tr>
</tbody>
</table>

### Error 17: Communication Air Flaps Board

<table>
<thead>
<tr>
<th>No.</th>
<th>Meaning</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>#17</td>
<td>The air flaps cannot be actuated properly.</td>
<td>Allow stove to cool down. Interrupt power supply for about 10 sec.</td>
</tr>
</tbody>
</table>

### Error 18: Stove Not In End Position

<table>
<thead>
<tr>
<th>No.</th>
<th>Meaning</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>#18</td>
<td>The mechanical pull-out lock of the stove insert is not in (horizontal) operating position.</td>
<td>Please check the safety lever of the mechanical pull-out lock for correct position and secure the stove.</td>
</tr>
</tbody>
</table>

### Error 19: Touch Display Does Not Respond

<table>
<thead>
<tr>
<th>No.</th>
<th>Meaning</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>#19</td>
<td>Touchscreen is distorted. No further entry is possible.</td>
<td>Please contact the customer service.</td>
</tr>
</tbody>
</table>

### Error 20: Communication Mainboard

<table>
<thead>
<tr>
<th>No.</th>
<th>Meaning</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>#20</td>
<td>Connection to touch display is interrupted.</td>
<td>Allow stove to cool down. Interrupt power supply for about 10 sec.</td>
</tr>
</tbody>
</table>