Touch Display

Stove software V2.26.409.02 Display software V2.26.395.01



Operating Instructions





TABLE OF CONTENTS

1. INTRODUCTION	3
2. FIRST STEPS	3
General view of interfaces	
External request	
Serial interface	
USB connection	3
3. MENU NAVIGATION	4
Navigation	
Standard functions	
Cleaning function Door opener	
ECO function	
Active info	
4. OPERATING MODES	6
Manual mode	_
Automatic mode	
Comfort mode	6
Heating up without electrical ignition	6
5. SETTINGS	6
Heating times	6
MultiAir fan	
Frost protection	
RIKA room sensor	
RIKA firenet	
GSM	
Screensaver	
Hotel mode	
Date/time	
Language	
Resets	
Logging	7
Service	7
6. INFO	8
Inputs	
Outputs	
Parameters	8
7. EXTENDED OPERATING MODES - PELLETS / LOGS	9
Correct heating up	
Automatic log operation	
Eco Operation	
Combined operation Easy-refilling operation	
Log operation in case of power breakdown	
8. NOTES AND WARNINGS	11
Notes	
9. ERROR MESSAGES	13 15
Flue gas fanInsertion motor	
Discharge motor	
Flame sensor	
Communication fault	
Pressure sensor	
Limiter	17
Remarks	

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. FIRST STEPS

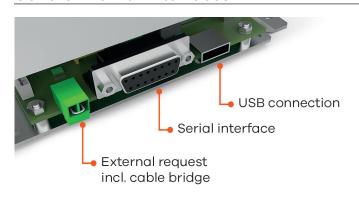
Note



Note

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

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

RIKA firenet (available on request)

3. MENU NAVIGATION

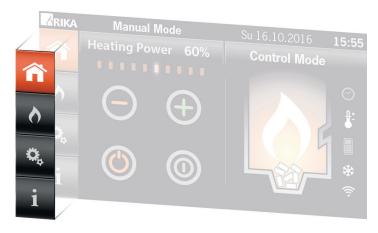
Your stove is equipped with a state-of-the-art control system. You can control all functions on the touch display. The surface of the touch display responds to both finger pressure and touch pen.

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, MultiAir, frost protection, RIKA room sensor, \dots

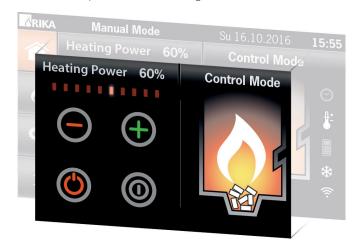


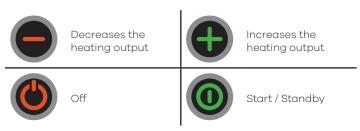
INFO

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

Standard functions

Each stove model provides the following standard functions:





Note



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

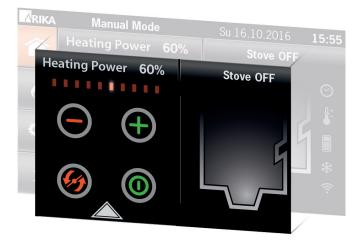
Note



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.





Note

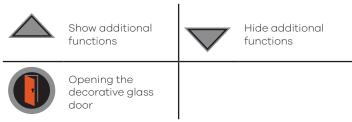


Turning of the grid is only possible during the operating state **STOVE OFF** at a firebox temperature below 80 °C!

Door opener

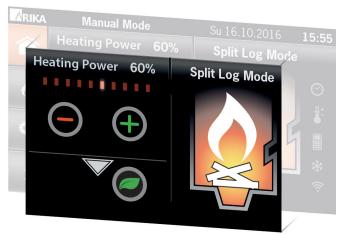
In addition to the standard functions, some stove models dispose of a door opening function.





ECO function

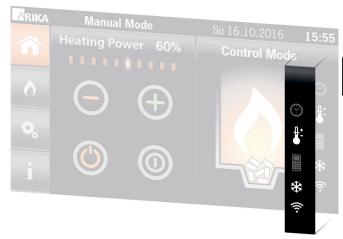
In addition to the standard functions, the combi stoves dispose of an ECO function.





Active info

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







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 %.

qiT



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. The stove remains in standby.

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

Note



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

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.

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 SETTINGS 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 RIKA 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.

MultiAir 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 \pm 30 % of fan speed.

Frost protection

Note

U

Only possible if a roomsensor is connected.

If this function is enabled (ON) and if the room temperature drops below the set value (4 $^{\circ}$ C - 10 $^{\circ}$ C), your stove will start working.

This applies also outside the heating times and in operating state ${f STOVE\ OFF}.$

RIKA room sensor

For more information on this option, please consult the operating instructions room sensor / RIKA radio room sensor.

Room temperature

Display of the current room temperature in degrees Celsius.

Temperature adjustment

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

Overheat protection

The stove switches to burn-off if the room temperature exceeds 30 °Celsius.

Power requirement

factory setting 3

The heating power is adjustable from level 1 (for small rooms) to level 4 (for big rooms).

Modulation

When modulation is activated, you can adjust the hysteresis from 0.5 - 1° Celsius.

RIKA firenet

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

GSM

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

Screensaver

When the screensaver is activated (ON), you can choose between the modes **Classic**, **Info** and **Dark**.

- Classic: RIKA sustainability-themed screensaver
- Info: Actual and nominal temperature or heat output (depending on mode, only possible with RIKA room sensor connected)
- **Dark:** a darkened screen

In the **Advanced** menu, you can set the delay time in minutes (1-60 min) and the brightness. Adjusting the brightness is not available for Dark mode.

Child lock

Note



Only possible with the screensaver activated.

If this function is enabled (ON), a 4-digit code can be saved. Await the activation of the screen saver.

The stove can only be operated with the saved code.

Hotel mode

Note



Only possible with the screensaver activated

Enable the child lock (ON) and save a 4-digit code. Enable the hotel mode. Await the activation of the screen saver.

You can only press the buttons **ON / OFF / PLUS / MINUS**. Now a selection of further functions is only possible by entering the saved code.

Date/time

Sets date and time.

Language

Selects the desired language.

qiT



Both language selection and setting of date and time must only be carried out on initial operation.

Resets

Note



This reset may only be performed if the stove temperature is below 80 °C1

Kg till cleaning

Resets the supply rate after a service has been carried out.

Factory setting

Resets all stove settings to the factory setting.

WLAN Setup

Reset WLAN Setup

Logging

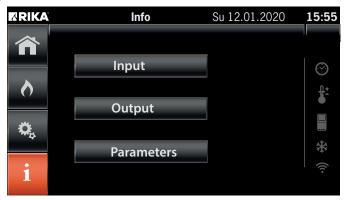
Only for service technicians.

Service

Only for service technicians.

6. INFO

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



Inputs

Flame temperature [°C]

Current firebox temperature

Room temperature [°C]

ACTUAL temperature in the room only with RIKA roomsensor

Baking temp. [°C]

Current baking temp.

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)

Pressure sensor

Differential pressure in the air supply (DAR system - Dynamic Air Regulation system)

Ext. Request

External request enabled (ON) or disabled (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)

Actuated (ON) or in rest (OFF)

Ignition element

Parameters

Operat. hours pellets

Total operating hours in pellet mode (0 - 99999)

Feed rate total [kg]

Total pellet feed volume (0 - 99999)

Kg till cleaning

Remaining pellets feed volume until next cleaning (1500 - 0)

Operat. h. split logs

Total operating hours in split log mode (0 - 99999)

Ignition counter

Total ignitions (0 - 99999)

ON/OFF cycles

Number of power failures

Main State

Main operating regulation state

Sub State

Secondary operating regulation state

Stove type

Name of appliance

Software stove

Software version stove control

Software display

Software version touch display

GFX version

Graphics version touch display

Tip



On the first screen page the precise information of the software version with the revision number is diplayed.

Disconnect the main plug for a short time. When the display shows the RIKA Logo on orange screen, there is the name of your stove in the left corner. Touch the stove name, and the software version actually installed will be displayed.

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.

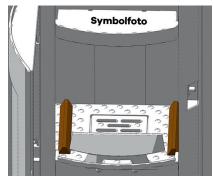
Correct heating up

Note

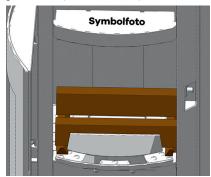
U

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

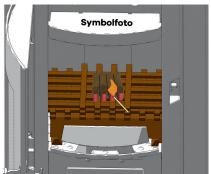
Open the firebox door and place 2 small pieces of chipboard in longitudinal direction to either side of the firebox floor.



Place 2 or 3 logs crossways onto the chipboard



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



Now set the RIKA firelighter 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 RIKA firelighter no. E15834 is available from your RIKA 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



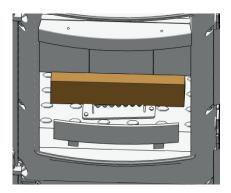
The **ECO OPERATION** mode is only possible after the first burn-off!

Combined operation

Automatic ignition of firewood during start-up, or automatic log recognition during operation.

Automatic ignition of firewood during start-up

Place two logs into the firebox. Be sure that at least one of the logs lays 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 lays 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.



unhide additional functions



hide additional functions



Open the fluegas

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

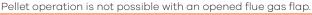
After closing the combustion chamber door, turn the wrench clockwise to close the fluegasflap.

Tip



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

Note



Log operation in case of power breakdown

Note



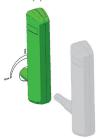
Your stove must be disconnected from the mains for current-free operation.

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 anticlockwise 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 positon again. The combustion air is regulated as described above.

Note



Always ensure that the stove has enough air for combustion. Clean the fire trough manually.

8. NOTES AND WARNINGS

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

Notes

Note





Meaning	A unit cleaning is required.	The mainboard battery is empty or defective Please inform customer service.
Solution	Perform a thorough cleaning according to the operating manual. Select the Setup menu / submenu Resets . Reset the "kg till cleaning".	Heating operation can continue but after each power failure you must reenter date and time.

Warnings

Warning







Meaning	The pellet hopper lid is open.	The combustion chamber door is open.	The combustion chamber door and/or the pellet hopper lid are open.
Solution	Close pellet hopper lid.	Close combustion chamber door.	Close combustion chamber door and/ or pellet hopper lid.

Warning





Meaning	After each power failure the air flaps are calibrated anew.	The connection from the mainboard to the (radio) room sensor has been lost.
Solution	wait until procedure is finished (up to 5 min).	Check whether the (radio) room sensor is correctly connected. Check the control light of the receiver and replace the batteries in the transmitter if required.
		If you deactivate the room sensor, the Manual mode is automatically activated.

Warning





Meaning	The stove is not in operating position.	The pressure ratio between installation room and firebox does not allow further operation.
Solution	Slide the stove into the correct position and secure the stove.	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.

Warning





Meaning	Burn-back flap and flue gas flap are not in heating position.	The flue gas flap is not in heating position.
Solution	Enable burn-back flap and flue gas flap.	Close flue gas flap.

9. ERROR MESSAGES

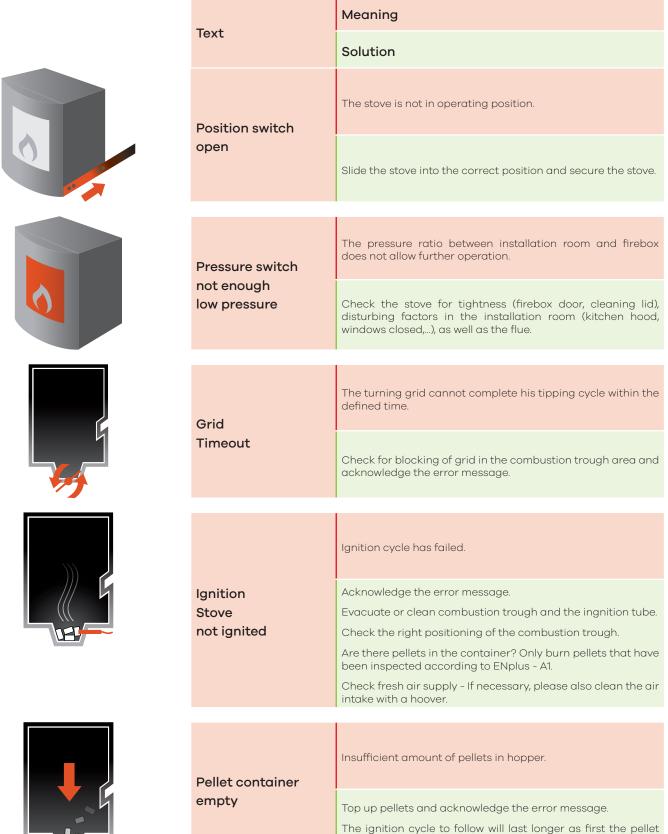
If an error occurred, your stove switches over to the operating state **BURN-OFF**. After the appropriate measure has been taken, acknowledge the error message. Your stove will be ready for use again.

Note

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

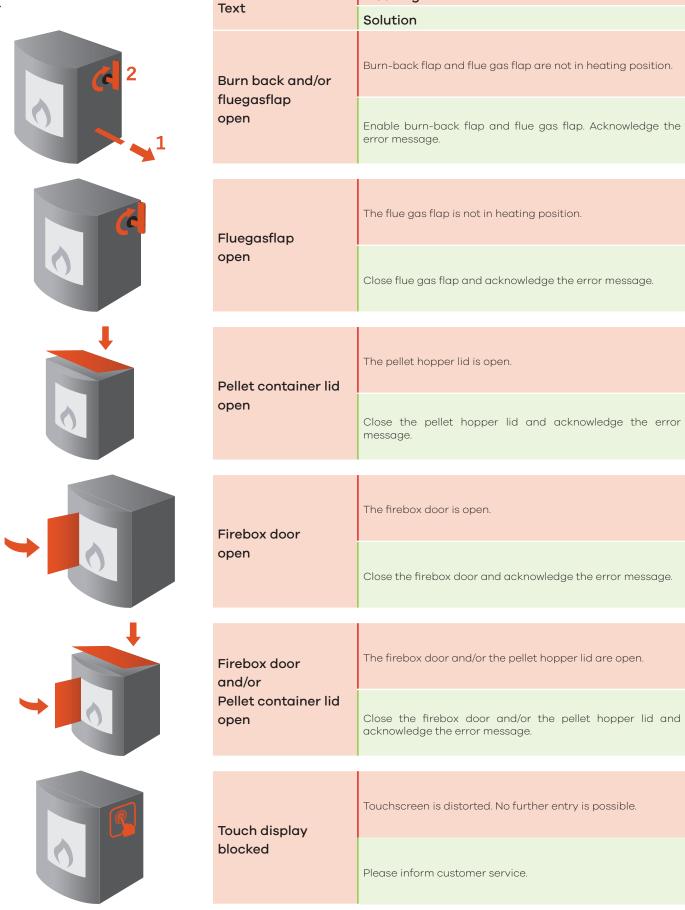


Error



auger has to be refilled.

Error



Meaning





Air flaps Motor fault Acknowledge the error message.

Room sensor	The room temperature has exceeded 30°C.
Room overheated	Allow the room to cool down. You can only cancel the error at a room temperature of less than 30°C.

Flue gas fan



Flue gas fan	The predefined speeds for the ID fan are not being reached.
Fault Fan	Acknowledge the error message.
Flue gas fan	The speed meter is not functioning.
Speed meter	Acknowledge the error message.

Insertion motor



Insertion motor	The insertion motor is blocked.
blocked	Further operation is not possible, please inform customer service.
Insertion motor	The insertion motor is malfunctioning.
Motor fault	Acknowledge the error message. If this occurs again, please inform customer service.

Discharge motor



Discharge motor	The discharge motor is blocked.
blocked	Further operation is not possible, please inform customer service.
Discharge motor	The discharge motor is malfunctioning.
Motor fault	Acknowledge the error message. If this occurs again, please inform customer service.



	Flame sensor	The connection to the flame sensor has been lost.
	Not connected or cable broken	Further operation is not possible, please inform customer service.
	Flame sensor	A short circuit has occurred in the area of the flame sensor.
Short circuit	Further operation is not possible, please inform customer service.	

Communication fault

Solutions

- Allow the stove to cool down.
- Interrupt the power supply for at least 10 seconds.
- Restore the power supply.
- If this occurs again, inform customer service.



Insertion motor Fault Communication	The insertion motor cannot be activated correctly.
Discharge motor Fault Communication	The discharge motor cannot be activated correctly.
Air flap Fault Communication	The air flaps cannot be activated correctly.
Mainboard Fault Communication	The connection from the mainboard to the touch display has been lost.
	The connection from the mainboard to the (radio) room sensor has been lost. The stove switches to burn-off after one hour.
Room sensor Fault Communication	Check whether the (radio) room sensor is correctly connected. Check the control light of the receiver and replace the batteries in the transmitter if required. Re-establish the connection and acknowledge the error message. The stove will heat again with the same settings.



Pressure sensor Timeout	The pressure sensor can not achieve the minimal set pressure.		
	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.		
Pressure sensor Not connected or cable broken	The connection to the pressure sensor has been lost.		
	Further operation is not possible, please inform customer service.		
Pressure sensor Short circuit	A short circuit has occurred in the area of the pressure sensor.		
	Further operation is not possible, please inform customer service.		

Limiter



Limiter Cable bridge	The cable connection has been lost.			
Not connected or cable broken	Further operation is not possible, please inform customer service.			
	Heat accumulation inside the appliance due to insufficient convection.			
Limiter Stove overheated	Allow the stove to cool down and disconnect it from the mains. Check if all convection air openings are free. Depending on model:			
	 unblock / press the safety temperature limiter on rear side of stove 			
	check the operation of the convection air fan in the CONTROL MODE state.			

Remarks		



RIKA Innovative Ofentechnik GmbH

Müllerviertel 20

4563 Micheldorf / AUSTRIA

Tel.: +43 (0)7582/686 - 41, Fax: -43

verkauf@rika.at

www.rika.at

In case of doubt as well as missing or incorrect translations, the German version is the only valid one. Subject to technical and visual changes as well as layout and printing errors..

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