User manual

for appliances provided with an electronic ignition
on the remote control

Read this document and store it carefully

CE

958.007.10.EN

English

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Preface

DRU, a manufacturer of gas-fired and electric stoves, develops and produces products that comply with the highest quality, performance and safety requirements. This appliance has a CE label, which means that it complies with the essential requirements of the European gas appliance directive. The appliance is supplied with an installation manual and a user manual. Installation and maintenance of the appliance must be carried out by a professional and certified expert with proven knowledge and competence, hereafter referred to as competent installer.

This user manual contains all information required to operate the appliance in a correct and safe manner. Carefully read this manual before taking the appliance in operation. Users are only permitted to perform the work described in the user manual. For other activities you must involve a competent installer. In case of questions or doubts, please contact your dealer.

The following symbols are used in the manual to indicate important information:

➠ **Work to be performed**
!Tip **Suggestions and recommendations**
!Caution **You will need these instructions to prevent problems that might occur during use.**
Caution **You need these instructions to prevent fire, personal injury or other serious damages**

1. Introduction

Your appliance can possibly be supplied in two versions; in addition to the standard model DRU can also supply a tunnel model. The standard model is always mounted against a wall. The tunnel model (look-through appliance) has a pane at both the front and back. It can be used as a separator between two living rooms.
Your appliance is a room-sealed atmospheric gas-fired heating appliance. A room-sealed appliance does not extract the combustion air from the living environment, but from outside. This is done by means of a combined flue gas discharge system / combustion air supply system. This system can be installed through the wall or through the roof.
If necessary, the appliance will be built in a chimney breast. A chimney breast must always be ventilated in order to be able to discharge heat properly.
The appliance is operated by means of a wireless remote control that works on batteries. For some appliances, no control hatch is supplied. In that case, the receiver and gas control are placed under the appliance.

2. SAFETY

2.1 General

Caution
- **Carefully read this chapter on safety;**
- **Observe the precautions/instructions in this manual.**

2.2 Precautions / safety instructions

Carefully observe the following precautions/regulations:

➠ **your appliance should only be installed and maintained by a competent installer in the field of atmospheric gas-fired heating;**
➠ **do not make any changes to the appliance yourself;**
➠ **have your appliance maintained for at least 1x per year;**
➠ **close the gas tap if the appliance ignites with a pop sound and/or poorly and contact the installer;**
➠ **close the gas tap in case of malfunctions and/or poor performance of the appliance and contact the installer;**
➠ **a torn or broken pane should be replaced immediately;**
➠ **In case of broken or torn glass panes, the application may not be used.**
➠ **make sure that combustible objects and/or materials such as curtains have a**

distance from the appliance and/or the flues of at least 50 cm;

- **do not dry clothes, towels etc. on and/or near the appliance, in order to prevent fire;**
- **avoid contact with hot parts of the appliance to prevent burns;**
- **do not leave children and persons who cannot judge the consequences of their actions alone with a burning appliance;**
- **place the remote control out of reach from children and persons who cannot properly judge the consequences of their actions.**
- **If the appliance will not be used for an extended period of time, we recommend removing the batteries from the remote control and receiver. This will prevent damage to the appliance due to leaking batteries.**
- **This appliance can be used by children over the age of 8 and persons with reduced physical, sensory or mental capacities or lack of experience and know-how, if they are supervised or if they have been instructed on how to use the appliance safely and are able to appreciate the hazards involved.**
- **Children are never allowed to play with the appliance.**
- **Cleaning and user maintenance may never be performed by children without supervision.**
- **The appliance may only be operated by means of the remote control and/or app under supervision. In this way there will be an overview of the situation around the appliance and the possible people that are present during ignition.**
- **The appliance was designed for atmospheric and heating purposes. This means that all visible surfaces, including the glass pane, can become hotter than 100C°. It is recommended to always place a protective grating in front of the appliance when there are children, elderly people or handicapped persons in the same room as the appliance. If it is possible that vulnerable people are regularly present in the room with no supervision, a fixed guard should be mounted around the appliance.**

3. Taking the appliance in operation

The appliance could make noises when heating up or cooling down, when it is being controlled and during combustion. These noises cannot be prevented.

3.1 For the first time

When using a chimney breast, it has to be dry before you take the appliance into operation. This is to prevent shrinkage cracks.

!Caution **If the chimney breast is made of stone-like materials or has been finished in stucco, it should be left to dry for at least 6 weeks prior to taking it into operation.**

In order to be able to use the wireless remote control, you must set a communication code between the remote control and the receiver, prior to putting the appliance into operation; for this, see section 4.2.1, Setting the communication code.

When the appliance is stoked up for the first time, an unpleasant smell may occur as volatile components evaporate from paint, materials, etc. This may take a number of hours.

Caution
- **Pets and birds in particular can be sensitive to the vapours that are released;**
- **In the beginning the flame image is affected by the evaporation of volatile components.**

After burning the appliance for the first time, allow it to cool down to room temperature and clean the glass pane(s); see chapter 5.

!Tip
- **Set the appliance to its highest level to speed up the evaporation process;**
- **Keep the room well ventilated;**
- **Remove pets from the room.**

3.2 Protection

To prevent unsafe situations, you should carefully observe the following measures/instructions.

Caution
- **Make sure that combustible objects and/or materials such as curtains have a distance from the appliance and/or the flues of at least 50 cm;**
- **Do not dry clothes, towels etc. on and/or near the appliance, in order to prevent fire;**
- **Avoid contact with hot parts of the appliance to prevent burns;**
- **Do not leave children and persons who cannot judge the consequences of their actions alone with a burning appliance;**
- **Place the remote control out of reach from children and persons who cannot properly judge the consequences of their actions.**

3.3 Discoloration of walls and ceilings

A brown discoloration is an unpleasant and difficult to solve problem. Brown discoloration can be caused by burning substances as a result of insufficient ventilation, smoking, burning candles, oil lamps, etc. Cigarette and cigar smoke contain tar substances that are deposited on colder walls.
These problems can be (partly) solved through a proper ventilation of the room where the appliance is placed.

4. Control

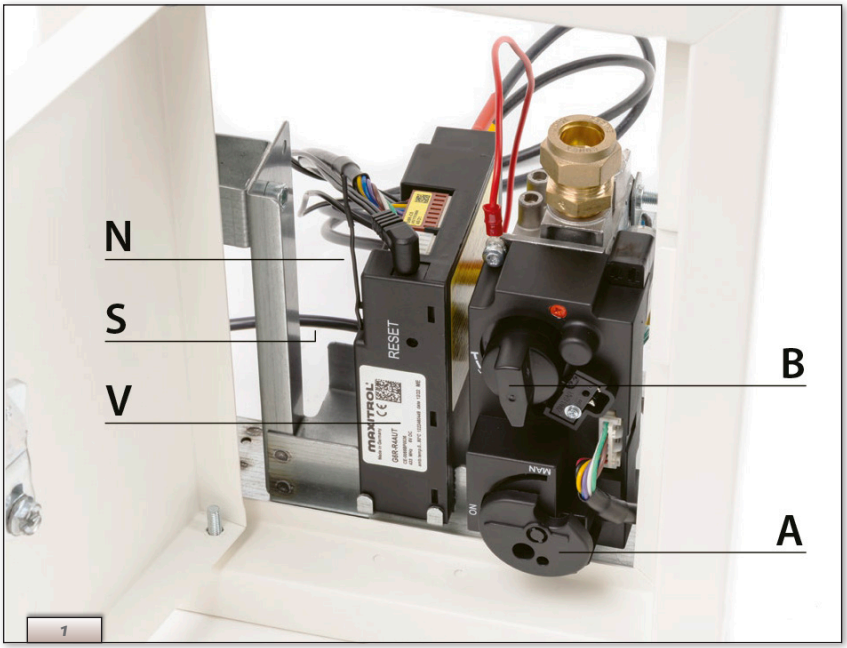
The appliance is supplied with a remote control. Ignition, controlling the flame height and switching off are performed by the remote control that operates a receiver in the control hatch. For some appliances, no control hatch is supplied. In that case, the receiver is placed under the appliance.
The receiver and remote control are battery powered. The receiver requires 4 penlite (AA type) batteries, the remote control requires a 9V block battery. At normal use, the batteries will have an average life of one year.
You can also use an optional adapter. Ask your installer for information. In that case you will need a 230 V connection near your appliance.

4.1 Receiver

The receiver is located in the control hatch (see fig. 1) or is placed under the appliance.

4.1.1 Replacing batteries

If the receiver's batteries are almost empty, you will hear 3 short beep sounds, provided the little motor for controlling the main burner is running (see section 4.2.2.1).



To replace the batteries, proceed as follows:

➠ **Open the door of the control hatch.**

!Caution **Free-standing appliances and appliances with open combustion do not have a control hatch. If you have a free-standing appliance or appliance with open combustion, please follow the instructions in the installation manual for your appliance.**

➠ **Pick up the receiver.**

➠ **Slide the cover off.**

➠ **Remove and place the 4 penlite (AA type) batteries.**

!Caution
- **Avoid a short circuit between the batteries and metal objects/parts;**
- **Observe the "+" and "-" poles of the batteries and the holder;**
- **Use alkaline batteries;**
- **Batteries are regarded as "small chemical waste" and may therefore not be disposed with the household rubbish.**

➠ **Slide back the cover.**

➠ **Place the receiver (V) as indicated in fig. 1**

!Caution
- **Do not place the antenna (N) too close to the ignition cable and/or metal parts: make sure the antenna is pointing upwards (for the correct position, see fig. 1);**
- **Make sure the ignition cable is not running over/alongside metal parts: this will weaken the spark;**
- **Do not lay the ignition cable over the receiver: this could damage the receiver.**

4.2 Remote control

The appliance's standard functions such as ignition, controlling the flame height, standby (pilot burner) position and switching off are performed in the MAN position, the manual control of the remote control (see fig. 2).
In addition, the remote control can also be used to set a number of additional functions:

- temperature display in degrees Celsius or Fahrenheit;
- time;
- thermostat function;
- timer for thermostat function.

Caution **Although highly improbable, we cannot rule out that your appliance's ignition process can be started unintentionally through other remote controls. This could be the remote control of your neighbours' gas heater, but also car keys and garage door openers.**
The result will be that your appliance will burn when you do not want it to.

Unintended ignition of your appliance could be solved/prevented by:

- setting a new communication code between remote control and receiver (see section 4.2.1);
- when left unattended for a longer period, set button A on the gas control to the position MAN (see section 4.2.2.1);
- close the gas tap near your appliance. This is the safest precaution, if the appliance will not be used for a longer period;
- Observe stated precautions / safety instructions - even if the appliance is not in use.

4.2.1 Setting the communication code

Prior to putting the application into operation, a communication code must be set between the remote control and the receiver. The code is chosen randomly from the 65000 available codes. As a result, the chance that other remote controls near you are using the same code and affect the operation of your appliance is very small.

Follow the procedure described below:

- **Hold down the reset button on the receiver, until you hear two consecutive sound signals (see fig. 3).**
- **After the second, longer signal, let go of the reset button.**
- **Within 20 seconds, press the (small flame) button on the remote control, until you hear two short sound signals: this is the confirmation of a good communication.**

!Caution **When installing a new remote control or receiver, you must set a new communication code.**

4.2.2 MAN position

By briefly pressing the SET button, you will go through the following functions:
MAN → ✹ TEMP → ◗ TEMP → (P*)TIMER → MAN
where, depending on the timer setting:
(P*) is displayed as P1 ✹, P1 ◗, P2 ✹, P2 ◗.

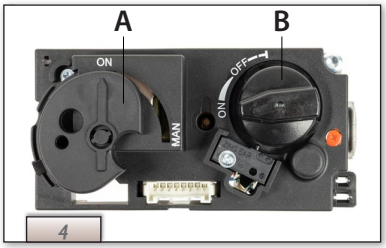
!Tip **You can also go back to the MAN position by pressing the button (large flame) or (small flame).**

!Caution
- **When pressing the buttons (with the exception of the SET button), the transmission symbol ( ) will appear to indicate that transmission is taking place between the remote control and the receiver;**
- **The receiver acknowledges the transmission with a sound signal;**
- **The appliance will automatically enter the standby position, if there is no transmission for 6 hours.**

- **Set the remote control to the MAN position.**

English

4.2.2.1 Ignition



4

Caution
- **During the ignition process, you are not allowed to operate control button B on the gas control manually (see fig. 4);**
- **Always wait 5 minutes after the pilot burner has gone out, before you re-ignite the appliance;**
- **When using propane you must be extra careful. The pilot burner may extinguish due to air in the pipe, e.g. as a result of replacing a propane cylinder: Always strictly observe a 5 min. waiting time before restarting the ignition process;**
- **Close the gas tap in case of malfunctions and/or poor operation and warn the installer.**

!Tip **For propane appliances, please use a system of two cylinders provided with an automatic switch to the back-up cylinder, if separate gas cylinders are used.**

Ignite the appliance as follows:

➠ **Set button A on the gas control to ON (button B is controlled automatically) (see fig. 4).**

The gas control is located in the control hatch or is placed under the appliance.

➠ **Simultaneously press the buttons OFF and (large flame) on the remote control.**

➠ **Let go of the buttons when a short sound signal indicates that the ignition process has been started.**

In succession:
- the continuous signals will indicate that the ignition process is active;
- a short sound signal will indicate that the ignition process has finished;
- the appliance will automatically switch through to the highest position of the main burner, which will start to burn in a few seconds.

Caution
- **If the pilot burner is not burning after 3 ignition attempts, you must close the gas tap and call the installer;**
- **When igniting the pilot burner, you will hear sound signals. After the last short sound signal, the main burner should be largely ignited within about 10 seconds. If this is not the case, you must close the gas tap and warn your installer;**
- **If the appliance ignites with a pop sound, you must close the gas tap and contact your installer.**

!Tip **A little motor will start to run when the main burner operates, you will be able to hear it.**

4.2.2.2 Flame height / standby

By means of the button (large flame), the appliance always switches to full position. Also when igniting the appliance, the full position is automatically activated. The flame height is therefore always controlled by means of the button (small flame). By continuing to lower the flame height, the appliance can be set to the standby position; this means that only the pilot burner will still be burning.

- **Press the button (large flame) to activate the full position and/or switch on the main burner from standby position (pilot flame).**
- **Press the button (small flame) to lower the flame height and/or set the appliance to the standby position.**
- **By pressing the button (small flame) twice in quick succession, the appliance automatically switches to full position and then to the smallest set flame picture (small position).**

Caution

- **If you continue to press down button (large flame) on the remote control, the main burner should be largely ignited within about 10 seconds. If this is not the case, you must close the gas tap and warn your installer;**
- **If the appliance ignites with a pop sound, you must close the gas tap and contact your installer.**

4.2.2.3 Switching off

Switch the appliance off by pressing the OFF button. The pilot burner will also go out.

!Tip **During cold periods, it makes sense to leave the pilot flame on. This will increase the temperature in the appliance and the discharge system, thus reducing the probability of condensation when starting up. In addition, leaving the pilot flame on has a positive effect on the life span of various components in the appliance (such as the battery) and improves the ignition of the burner. After 5 days of no activity, the pilot burner switches off automatically.**

4.2.3 Temperature display

The room temperature can be indicated on the display in degrees Celsius (°C) using a 24 hour clock or degrees Fahrenheit (°F) using a 12 hour clock.

- **Simultaneously press OFF and (small flame), until the correct display appears.**

4.2.4 Time

The display can indicate time.

After placing the battery or simultaneously pressing (large flame) and (small flame), the time indication will flash on the display and you will be able to adjust the time.

- **Simultaneously press and until the time indication flashes on the display.**
- **Press the button (large flame) to set the hours.**
- **Press the button (small flame) to set the minutes.**
- **Press OFF to return to the MAN position, or wait for the system to automatically return to the MAN position.**

4.2.5 Thermostat function

Using the thermostat function you can set two temperatures, which can be controlled thermostatically. These temperatures are referred to as day temperature and night temperature.
The ✹ TEMP and ☽ TEMP symbols on the display refer to day and night temperature respectively.
The room temperature is compared to the set day/night temperature and then the flame height is automatically controlled in order to reach the set temperature.
To be able to use the day/night temperature function, the appliance must be in the standby position.

!Caution
- **Always leave the remote control at the same place, so that the thermostat is able to 'feel' the room temperature;**
- **Make sure this place is free from influences such as draught, heat from radiators and direct sunlight.**

Example
By using the ✹ TEMP function you can keep the day temperature at 20 °C; while you use the ☽ TEMP function at night to maintain a temperature of 15 °C.

4.2.5.1 Setting day/night temperature

By using the SET button, you will go through the following functions:
MAN → ✹ TEMP → ☽ TEMP → (P*)TIMER → MAN

- **Briefly press the SET button to enter the ✹ TEMP or the ☽ TEMP position.**
- **Press the SET button until the temperature on the display flashes.**
- **Set the required temperature by using the buttons (large flame) and (small flame).**

!Caution
- **The minimum temperature you can set is 5 °C / 40 °F;**
- **Control of the night temperature is switched off by lowering the temperature until two stripes ("--") appear on the display.**

- **Press the OFF button or wait until position ✹ TEMP or ☽ TEMP appears on the display.**

4.2.5.2 Activating the thermostat function

For activating the thermostat function, you must proceed with the following steps:

- **Place the appliance in the standby (pilot burner) position using button (small flame).**
- **Set the day/night temperature.**
- **Choose the ✹ TEMP or ☽ TEMP function using the SET button.**

4.2.6 Timer for thermostat function

Using the timer enables you to set two times per 24 hours for switching on the day temperature and two times per 24 hours for switching on the night temperature.

In order to control the night temperature, it should be set to at least 5 °C / 40 °F.

If the night temperature is set to the "-- " position, the appliance will remain in the standby position. The appliance will only switch on at the next switch-on time of the day temperature.

The appliance must be in standby position in order to be controlled by the timer.

Example of switch times

You have set a day temperature and night temperature of, for example, 20 °C and 15 °C.

P1 ✹ TIMER = 7 hours; the temperature will go to 20 °C at 7 am.

P1 ☽ TIMER = 9 hours; the temperature will go to 15 °C at 9 am.

P2 ✹ TIMER = 17 hours; the temperature will go to 20 °C at 5 pm.

P2 ☽ TIMER = 22 hours; the temperature returns to 15 °C at 10 pm.

4.2.6.1 Setting times for the timer

To set the timer, proceed as follows:

- **Set the day and night temperature as described above at section 4.2.5.1.**
- **Briefly press the SET button to enter the (P*) TIMER position.**
- **Press the SET button until P1 ✹ TIMER is displayed and the time flashes.**
- **Set the first switch on time of the day temperature using the buttons (large flame) and (small flame).**
- **Briefly press the SET button to set the next time of the cycle, P1 ☽ TIMER.**
- **Successively set the times P2 ✹ TIMER and P2 ☽ TIMER.**
- **Press the OFF button or wait until position (P*) TIMER appears on the display.**

4.2.6.2 Activating the timer function

Follow the steps below for activating the timer control:

- **Place the appliance in the standby (pilot burner) position using button (small flame).**

- **Set the day/night temperature if you have not yet done so; for this, see section 4.2.5.1.**
- **Set the timer times P1 ✹ TIMER, P1 ☽ TIMER, P2 ✹ TIMER and P2 ☽ TIMER.**
- **Choose the (P*) TIMER function using the SET button.**

4.2.7 Automatic shut-off after 5 days

This function prevents consumption of gas energy in case of long-term non-activity. The system will automatically shut off the pilot flame when the appliance has not been active for a period of 5 days.

4.2.8 Replacing the battery

If the battery is almost empty, the display will show "BATT".

To replace the battery, proceed as follows:

- **Remove the cover at the back side of the remote control.**
- **Disconnect the 9V block battery from / connect the 9V block battery to the connector.**

!Caution

- **Observe the "+" and "-" poles of the batteries and the connector;**
- **Use alkaline batteries;**
- **Batteries are regarded as "small chemical waste" and may therefore not be disposed with the household rubbish.**

- **Place the battery in the holder.**
- **Replace the cover.**

4.3 Alternative operation

If a domotics system is used for your appliance, the setting of the remote control will have an effect. For this, see the installation manual for your appliance.

5. Maintenance

At least once per year, the appliance should be checked for proper and safe operation.

Caution
- **Your appliance should be maintained by a competent installer in the field of atmospheric gas-fired heating;**
- **Have a cracked or broken pane replaced immediately;**
- **Do not make any changes to the appliance yourself.**

!Caution **As user, you are only allowed to clean the appliance on the outside:**
- **Do not use corrosive detergents;**
- **Paint damages, resulting from objects fallen/placed against the mantel of the appliance are not covered by the warranty.**
- **Unpainted SS tubes can be cleaned with water, a soft cloth and possibly a mild detergent. Aggressive detergents (e.g. chlorinated or abrasive) can lead to rust stains or dull spots.**

5.1 Cleaning the glass pane

During production, transport and installation it is possible that products end up on the glass pane(s) that could burn into the glass.
For that reason, it is important that the glass pane(s) are cleaned correctly before the appliance is ignited.

➠ **Before using the appliance for the first time, clean the glass pane(s) on both sides using the DRU spray (1) followed by the DRU glass pane cleaner (2). (see user instruction DRU spray (1) and DRU glass pane cleaner (2))**

When igniting for the first time, combustion products are released from the appliance that could cause a white deposit on the glass pane(s). Take the following steps to prevent this deposit from burning into the glass:

➠ **Clean the glass pane(s) once more, on both sides, using the DRU glass pane cleaner (2) (see user manual DRU glass pane cleaner (2))**

Gas contains certain components in varying concentrations, that could also cause a white deposit on the glass pane(s). This cannot be prevented and DRU is unable to accept responsibility for this.

➠ **Regularly and whenever contamination is visible, clean the glass pane(s) on both sides, with DRU glass pane cleaner (2) (see user manual DRU glass pane cleaner (2))**

!Caution - **Avoid damage to the glass pane(s).**
- **Avoid/remove fingerprints on the glass pane(s), since otherwise they will burn into the surface.**
- **Only use the DRU detergent.**
- **Only use a microfibre cloth. Other materials such as (kitchen) paper, steel wool, etc. may cause scratches and damage the coating in case of anti-reflective glass pane(s).**
- **Use cotton gloves during the cleaning process in order to prevent the introduction of new fingerprints.**
- **Regularly remove accumulated dirt, as it can burn into the glass.**

User manual DRU spray (1)

!Caution **The glass pane(s) to be cleaned must have cooled down to room temperature.**

➠ **Apply the DRU spray (1) directly on the glass pane.**

➠ **Then wipe the glass pane with a microfibre cloth until it is fully clean and dry.**

User manual DRU glass pane cleaner (2)

➠ **Shake well prior to use.**

!Caution **The glass pane(s) to be cleaned must have cooled down to room temperature.**

➠ **Apply a limited amount of DRU glass pane cleaner to a slightly moist microfibre cloth.**

!Caution **The cloth should not be too wet!**

➠ **Rub DRU glass pane cleaner over the entire glass pane(s).**

➠ **Fully dry the glass pane with a dry microfibre cloth after a few minutes.**

➠ **In case of stubborn deposits, repeat the above procedure. If necessary, exert more pressure to remove the contamination.**

6. End of life/Recycling

At the end of the use cycle, the device must be handed in at an approved collection point. When disposing of/recycling, follow the applicable national and local laws and regulations.

If in doubt, contact the local authorities about the available options.

- Do not throw empty batteries away as residual waste, but hand them in at the collection point intended for that purpose.
- Disassemble and/or remove the appliance only after it has cooled down to room temperature, has been completely disconnected from the power supply and has been disconnected from the gas supply.
- The glass in the appliance is made of ceramic heat-resistant material and can therefore not be returned to a glass recycling point.

7. Warranty

The factory warranty is valid for 2 years after date of purchase. Damages to the paint, resulting from objects fallen/placed on or against the appliance are not covered by the warranty.

The warranty for your DRU appliance will be provided via your dealer. Contact your dealer in case of questions and/or complaints.

Notities / Notes / Notizen

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