



584 FRC

ENGLISH

Read the instructions before use. This control must be installed in accordance with the rules in force.

FCC NOTICE

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by tuning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

■ FRC 584.0xx

Transmitter RF Control for 820 NOVA Millivolt System

FRC is the new SIT RF Control for a Millivolt System to be used together with the SIT 820 NOVA mV system equipped with the 584.101 or 584.201 receiver.

With the FRC you can turn your gas fireplace on or off; use a timer to shut down the fireplace automatically at the desired time, increase or decrease flame height, set the fan speed and other useful functions.

Three pre-programmed flame time profiles are available.

A wide clear display gives you many information as room temperature, set temperature, flame height, fan speed level, timer condition, as well as a low battery indication.

This Owner's Guide describes in details how to use in the best way this product.

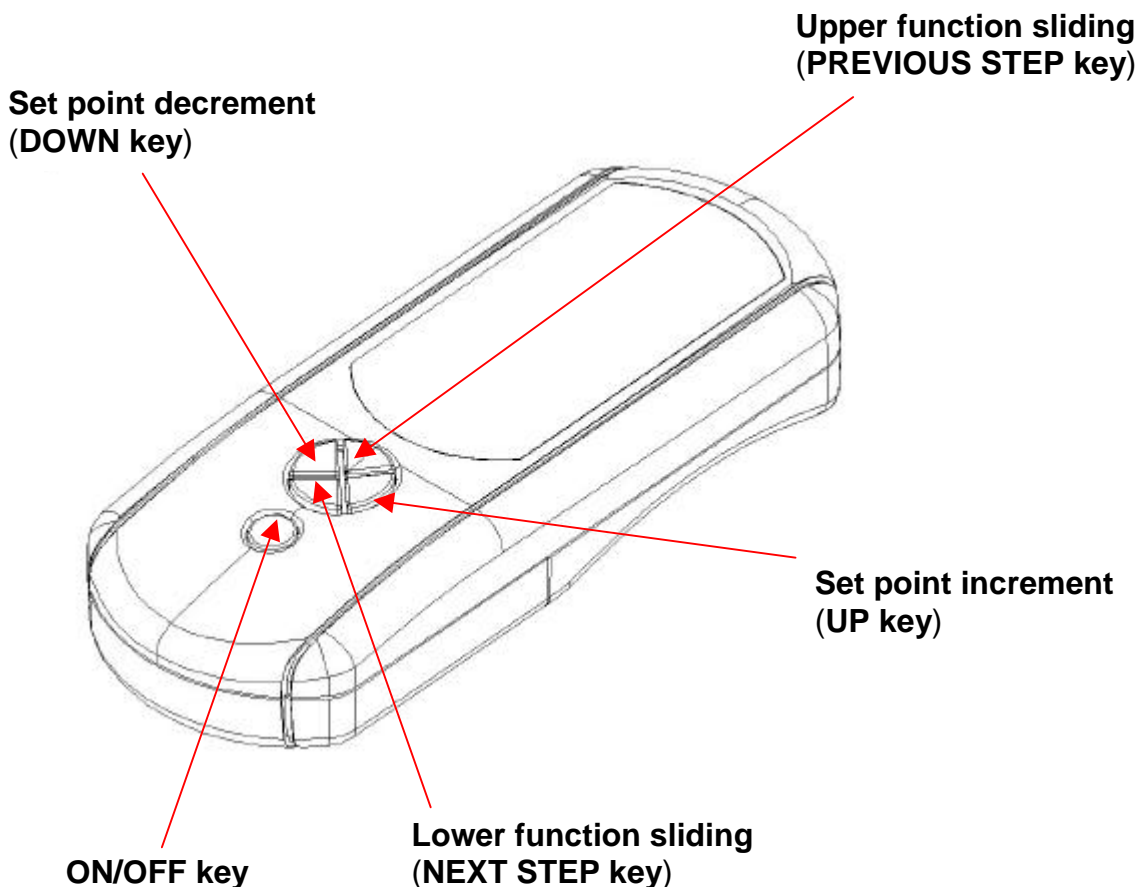


1. General description of the remote control

The surfing between the various options is achieved by functions sliding.

With reference to the four keys displaced in around, the upper and lower keys (functions sliding) allow the selection of the functions available in the remote control, while the left and right keys (decrement and increment of the set points) allow to modify the working levels/states of the selected function.

The device will transmit when a key is pressed and the transmission time will not be longer than 1 second even if the key is maintained pressed.



At the start-up the device sets itself for the flame height control.

The available functions are:

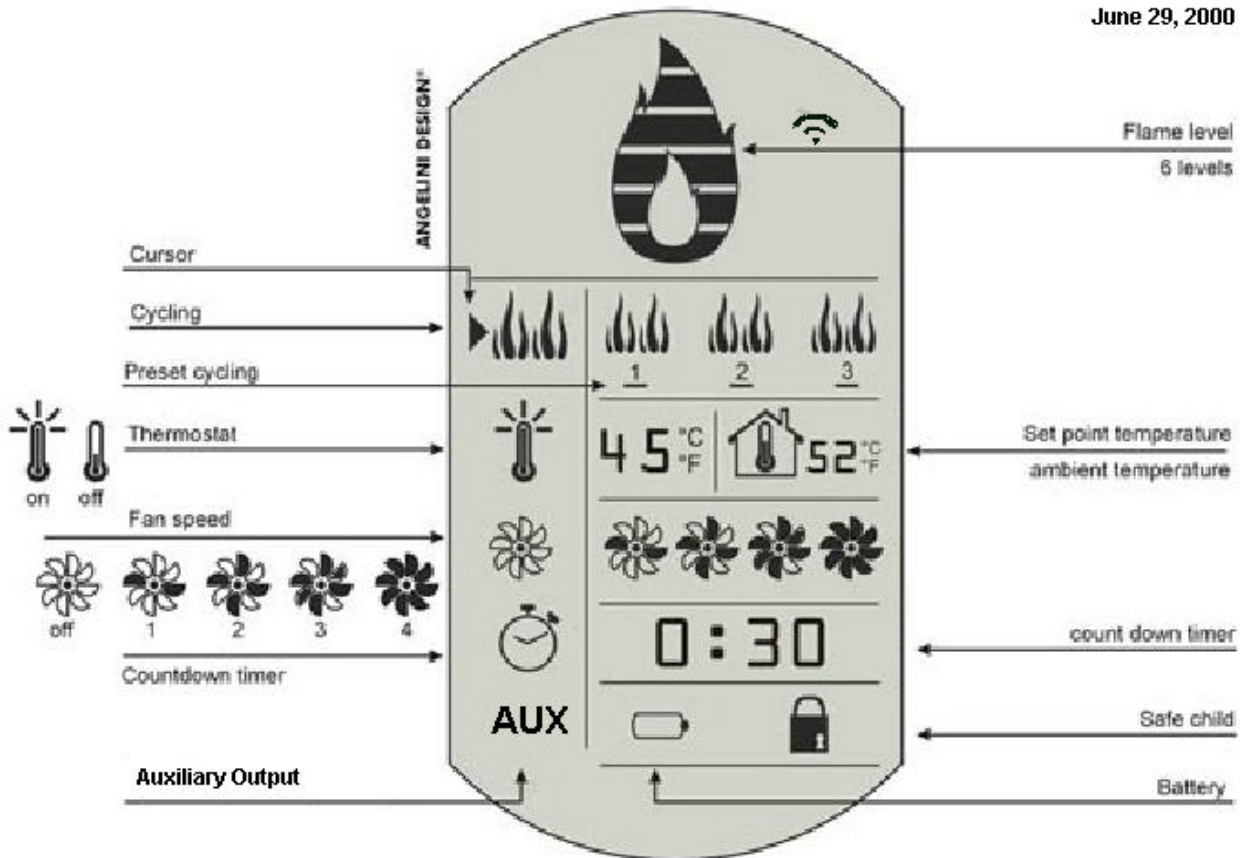
- Flame height control
- Program selection (only with 0584101 receiver)
- Room thermostat
- Fan speed selection (only with 0584101 receiver)
- Timer

AUX output opening or closing (this function must be operated only by qualified personnel)



Insert three 1.5V AAA style batteries in the remote control.
Do not reverse the polarity of the batteries.

Version 5.0
millimodulator remote
June 29, 2000



Display indications

2. System start-up

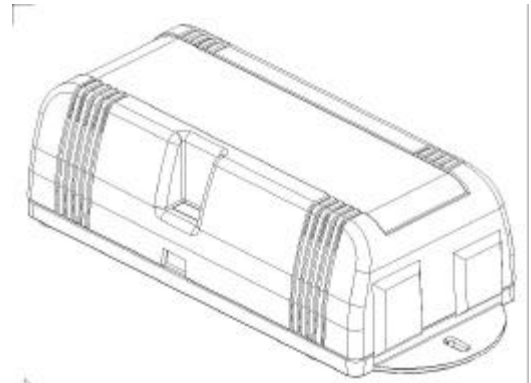
4.1 Preliminary check of the receiver

Operations to be done on the receiver, before switching on the remote control:

1) With the 0.584.201 battery powered receiver, insert the batteries (4 x 1.5V AA style) in the proper hollow and wait for the generation of the *beep*) as a confirmation that the receiver is working.

With the 0.584.101 line powered receiver, connect the power socket to the power plug of the receiver and wait for the generation of the acoustic signal (*beep*) as a confirmation that the receiver is working.

2) Set the MAN/AUTO switch in the AUTO position (to the left) to let the remote control operate the gas valve.



Note all the above operations can be done without turning on the pilot flame in the fireplace.

4.2 Check of the functionality of the remote control



The remote control can work only if properly powered. The power is supplied by 3 1.5V AAA style batteries to be inserted in the proper hollow with the correct polarity.

The correct power of the remote control can be checked observing the presence of the icon "little house" with at its side the measurement of the room temperature. This indication will be always presente when power is applied to the remote control.

When the ON/OFF key is pressed, after a short time you can seen may other icons on the LCD display. This indicates that the remote control is "ON".

4.3 Check of the communication between the remote control and the receiver

When the ON/OFF key is pressed to switch on the remote control the “transmission” icon is activated to indicate the transmission of a command to the receiver.

At the same time an acoustic signal will be generated to indicate the reception of the command by the receiver.

If the acoustic signal isn't generated switch the remote control OFF, take place at a lower distance from the receiver and switch the remote control on again.

If again the acoustic signal isn't generated, execute the address setting procedure described in the remote control operating manual.

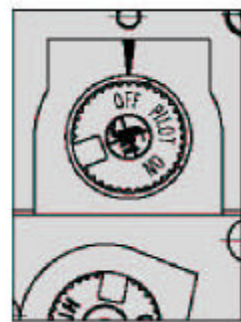


3. Valve operation

Start-up procedure

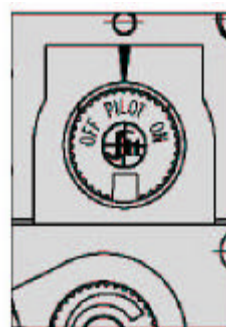
Set the thermostat, if present, to the lowest level. Press slightly and turn the control knob clockwise to the “**OFF**” position and wait five minutes; thus allowing any gases to escape which may have accumulated in the combustion chamber.

NOTE: LP gases do not vent upward.



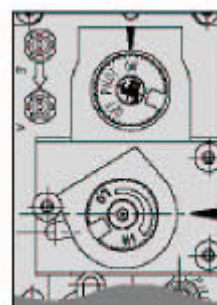
Pilot flame ignition

Press slightly and rotate the “**OFF/ PILOT/ ON**” control knob to the “**PILOT**” position. Press the knob and light the pilot flame, keeping the knob fully depressed for at least thirty (30) seconds until air in the pilot line vents and a strong pilot flame is present. Release the knob and verify that the pilot flame remains lit.



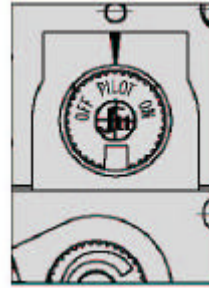
Igniting the main burner

Confirm that the thermostat is closed. Turn the “**HI/LO**” knob to the “**LO**” setting. Turn the control knob to the “**ON**” position. The gas path to the main burner is now open. The maximum gas flow to the burner is obtained with the knob fully turned counter-clockwise (“**HI**” position).



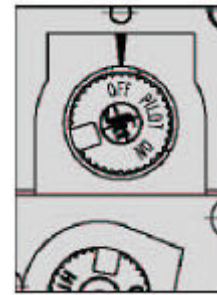
Stand-by position

To maintain a flame at the pilot burner with the main burner off, turn the control knob to the "**PILOT**" position.



Turning off

Turn the control knob to the "**OFF**" position.



Caution: After shutting down, wait at least five minutes before re-igniting. This will allow the safety interlock to reset.

Final checks

1. WARNING

Fire or Explosion hazard.

Can cause damage to property and severe injury or death.

Do not force the control knob. Use only your hand to turn the knob. If the knob does not move by hand, the valve should be replaced by a trained service technician.

Shutdown performance check

2. WARNING

Fire or Explosion Hazard.

Can cause severe injury or death.

Perform the safety shutdown check any time work is done on a gas system.

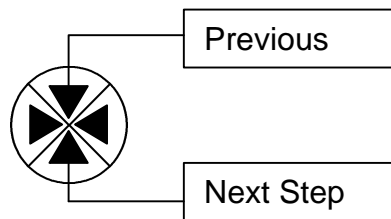
1. Place appliance in operation with the pilot and main burners lit.
2. Place gas control knob in "**PILOT**" position. Main burner should extinguish and pilot should remain lit.
3. Extinguish pilot flame. Pilot gas safety shutoff proves complete shutdown due to the fact the safety shutoff valve prohibits main burner and pilot gas flow.
4. Wait at least five minutes for the safety magnet to reset and residual gas to clear from the combustion chamber.

Relight pilot burner and operate the system through one complete cycle to ensure all functions operate correctly.

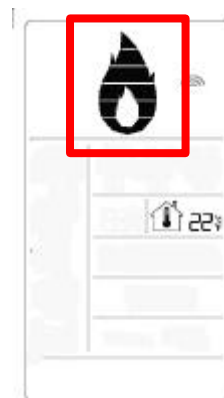
3. Remote control operation

3.1 Manual flame height control

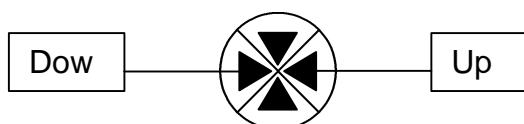
With this function it is possible to manually control the flame height.
To enter this function press the **Previous Step** or **Next Step** key



until the great flame in the upper part of the display is selected (see figure)



Then press the **Up** or **Down** key



Up to the desired flame level. Six flame levels are available, from 1 (min) to 6 (max).

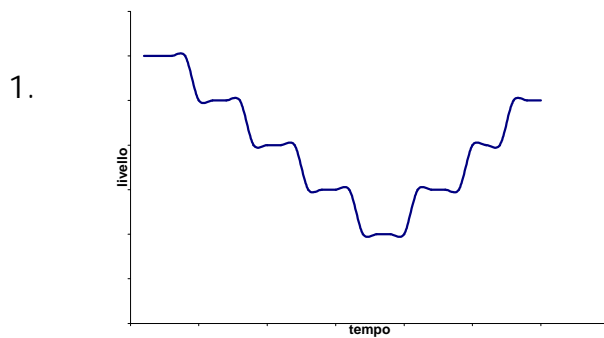


3.1 Modulating flame sequence selection

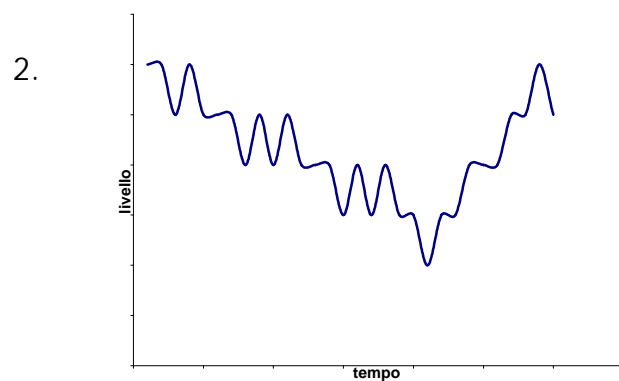
WARNING: this function is available only with the 0.584.101 line powered receiver.

With this function it is possible to select among three different flame modulation sequences that will be executed automatically by the system.

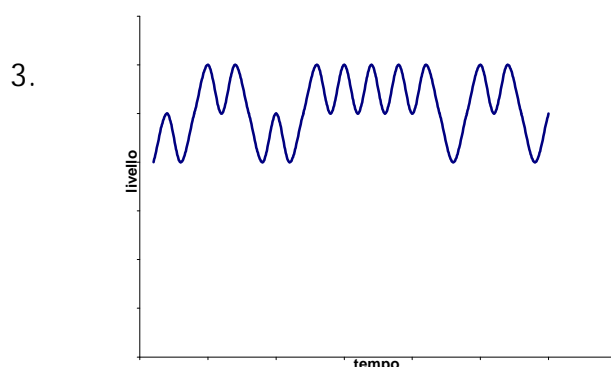
With these programs the flame modulates between the min and max levels following the time sequences described below:



1st sequence
sample duration 5s



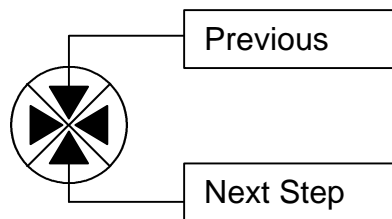
2nd sequence
sample duration 5s



3rd sequence
sample duration 5s

6 -> max level
0 -> off
1 -> min level

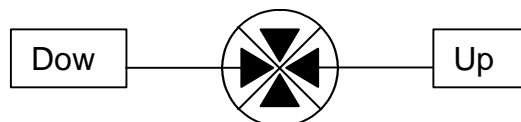
To enter this function press the **Next Step** or **Previous Step** key



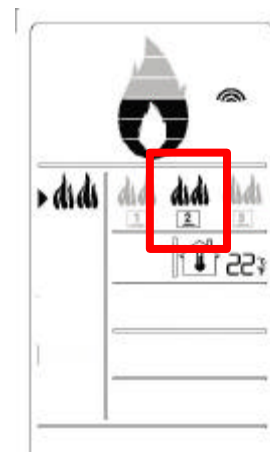
until the flame sequence function is selected (note the small arrow to the left)



then press the **Up** or **Down** key



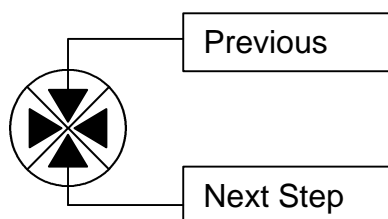
to select the desired program.



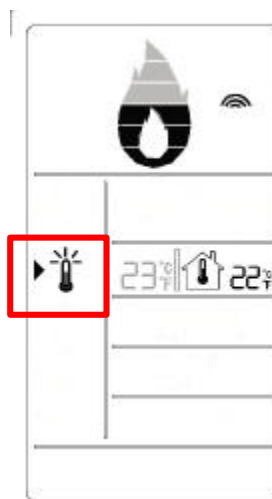
3.2 Room thermostat function

With this function it is possible to transform your remote control in a room thermostat to control the room temperature.

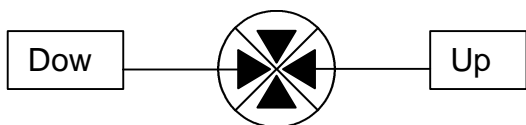
To enter this function press the **Next Step** or **Previous Step** key



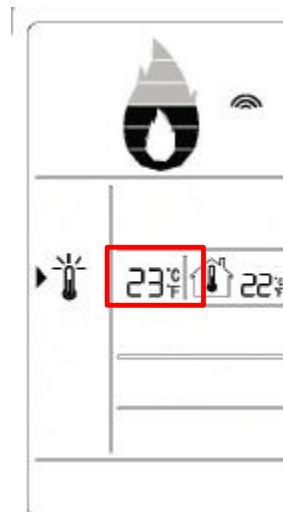
Until the room thermostat function is selected.



then, use the **Up** or **Down** key



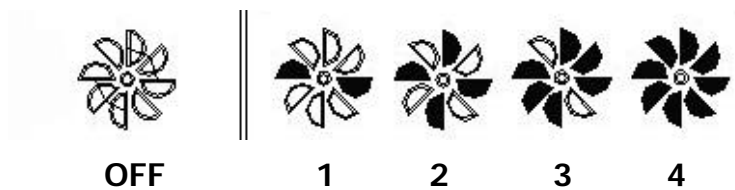
to set the temperature to the desired value.



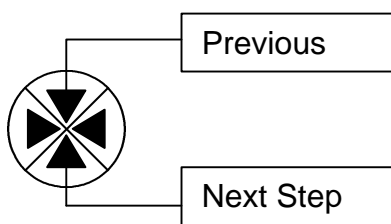
3.3 Fan speed setting

WARNING: this function is available only with the 0.584.101 line powered receiver.

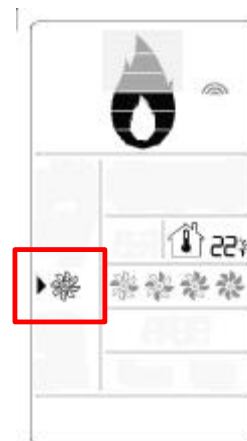
With this function it is possible to set the speed of the warm air fan that could be present in the appliance. One of four speeds can be selected (4 indicates the full speed) or the fan can be halted.



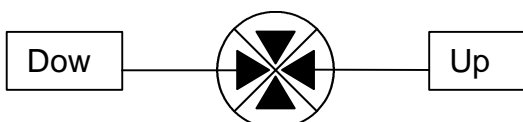
To enter this function use the **Next Step** or **Previous Step**



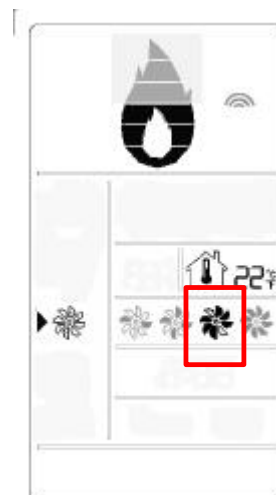
and select the fan icon (note the small arrow to the left)



then use the **Up** or **Down** key



to set the desired fan speed.



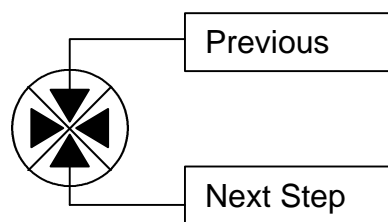
3.4 Timer setting (sleep function)

WARNING: this function is available only with the 0.584.101 line powered receiver.

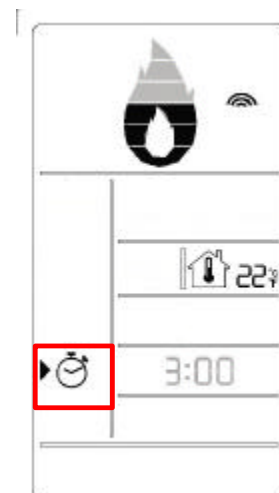
With this function it is possible to set a sleep time. After the sleep time has elapsed the appliance is automatically switched off.

The maximum sleep time is 90 minutes

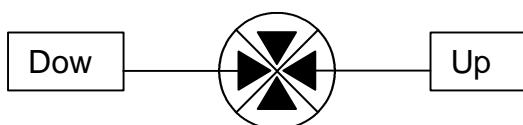
To enter this function use the **Next Step** or **Previous Step** key



and select the sleep timer function

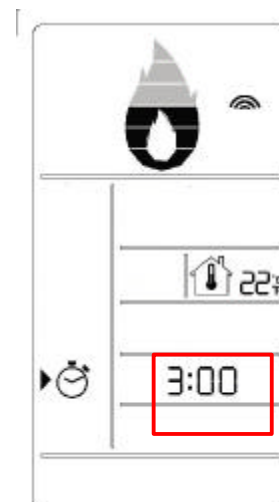


then use the **Up** or **Down** key



to set the desired sleep time; then use again the **Next Step** or **Previous Step** key to exit the function and start the countdown.

The sleep time step is 15 minutes.

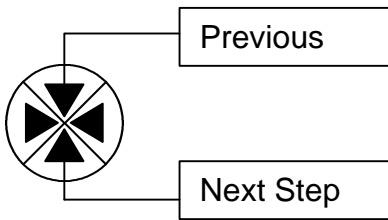


3.5 Auxiliary output control (AUX)

WARNING: this function is available only with the 0.584.101 line powered receiver

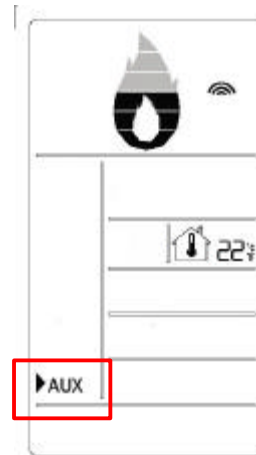
With this function it is possible to activate (close) or deactivate (open) the electric contact present in the receiver. The function is active when the "AUX ON" indication appears. On the contrary, the function is not active when "AUX OFF" indication appears.

To enter this function use the **Next Step** or **Previous Step** key



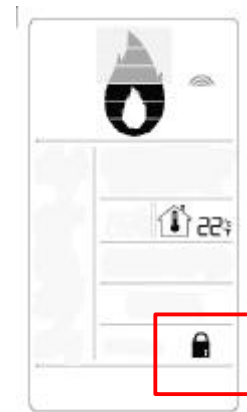
and select the AUX function icon (not the small arrow to the left).

Then use the **Up** or **Down** key to turn the function ON or OFF.

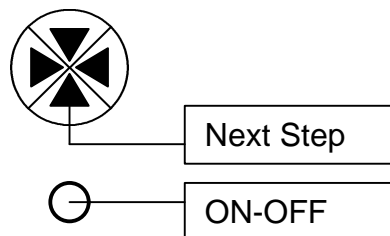


3.7 Safe Child function

With this function it is possible to deactivate the remote control keys. The function is active when the lock icon is lit (see figure).

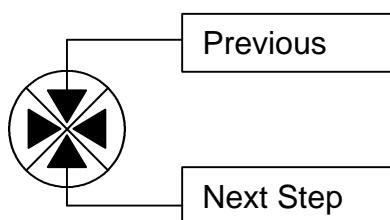


To activate this function press the **ON-OFF** key and after 1 sec the **Next Step** key, then release first the **ON-OFF** key and then the **Next Step** key. Operate the same sequence to deactivate the function.

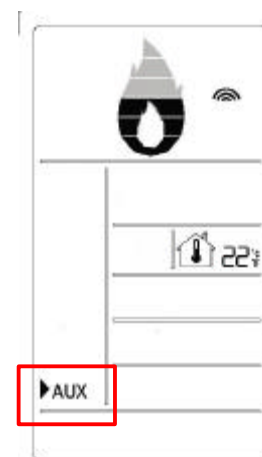


3.8 Fahrenheit – Celsius temperature indication

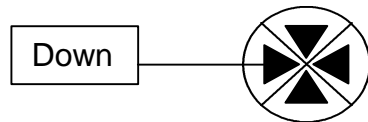
To choose the measurement unit for the temperature use the **Next Step** or **Previous Step** key



and select the AUX function.

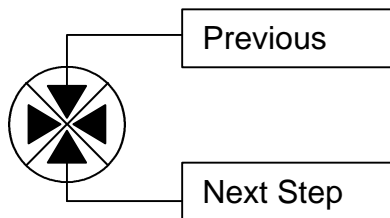


then press five times the **Down**

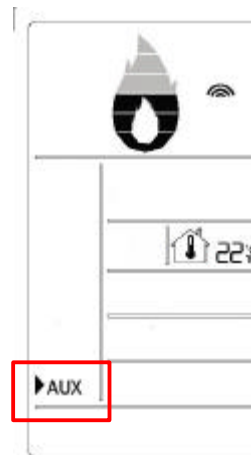


3.9 Receiver search

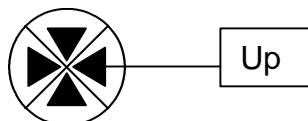
With this function it is possible to start a receiver search sequence.
To enter this function use the **Next Step** or **Previous Step** key



and select the AUX function



then press 5 times to start the receiver search



A "beep" will advise you of the connection between the transmitter and the receiver.
As you hear the "beep" press the **Up** key to stop the search and fix the address of the transmitter.

3. Warnings

- Do not let the 584 FRC remote control fall.
 - Do not let the remote control near to heat sources (it can be damaged by high temperatures)
 - Do not let the remote control unattended
 - The functions:
 - automatic flame sequence
 - fan speed setting
 - AUX function
- are available only with the 0.584.001 line powered receiver

Functional Drawings

