ROOM TEMPERATURE THERMOSTAT: ROOM CONTROL

1 – TECNICAL FEATURES

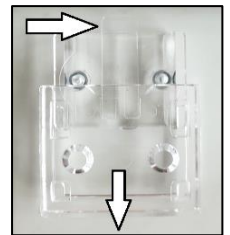|	
Temperature setting range:	-9.5°C ÷ +45.5°C
Accuracy:	+/- 0.5°C
Protection rating:	IP20
Power supply:	Battery 3V type CR2477N
Estimated battery life:	Approx. 1 year
Transmission frequency:	433.20 MHz
Frequency of transmission:	Every 5 minutes
Recommended installation height from the floor:	1.5 metres
Maximum transmission distance:	7/8 metres

2 – ATTENTION

Read this manual carefully before proceeding. All local, national and European regulations regarding the installation and use of the device must be met. This device is solely for indoor use and must only be used for its intended purpose. Do not attempt to repair it in any way whatsoever. This appliance is not designed to be used by persons (including children) with a physical, sensory or mental impairment, or persons lacking in experience or know-how, unless they are supervised or trained on how to use the appliance by a person who is responsible for their safety. Supervise children to ensure that they do not play with the device. Some parts, such as the battery, can easily be swallowed. Seek medical attention immediately if this occurs.

Protect the device from precipitation, humidity, liquids and all substances that could corrode the electronic circuits inside the device. If it should get wet, remove the battery and leave it open to dry at room temperature for as long as necessary. Do not use it or store it in dusty and/or dirty environments. Do not store it in very hot areas as high temperatures can shorten the life of the device, damage the battery and deform or even melt certain plastics. Do not store it in very cold areas as when it reheats moisture could form inside it and damage the electronic circuits. Do not drop it, do not expose it to blows or knocks, and do not shake it. Carelessness such as this may result in breakage of the device. Do not use corrosive chemical substances, caustic solutions or detergents to clean the device. The battery is covered by a 6-month warranty from the date of purchase. The warranty is voided if the defect is caused by improper use and/or use that is not in accordance with the instructions set out in this manual.

At the end of their useful life the device and the battery must be disposed of in accordance with applicable regulations, and not with municipal waste. The product must be consigned to designated sorted waste collection centres. Correct disposal not only helps safeguard the environment but it also promotes recovery and recycling of the materials.

3 – INSTALLATION

The thermostat must be positioned away from heat sources, windows, doors and anything that could alter the perceived temperature such as draughts, heat pumps or air conditioners. We recommend installing it at height of about 1.5 metres from the floor and ensure that it has an area of 50/60 cm of free-flowing air around it so that it can sense the true temperature of the room. Moreover, the device must be installed at a maximum distance of 7/8 metres from the heat generator and there must be no obstacles, such as walls, furniture or doors, that could alter communication. To fix the device to the wall simply press the tab located on the rear wall mount and pull down the fixing plate to remove it (see figure on the right). Then secure the fixing plate to the wall with the plugs provided and attach the device. If you prefer not to make holes in the walls, the device can be attached to the wall using the supplied hook and loop tape.

4 – DISPLAY LEGEND

Flame button

Scroll buttons

Menu button

Room temperature sensed by the Room Control →

← Desired temperature set by the user

5 – USE AND CONNECTION TO THE GENERATOR

In order to use the device, it is necessary to insert the supplied battery. To install it, it is necessary to separate the two half-shells of the device applying a slight pressure outward (Figure 1) and then insert the battery in the appropriate seat with the side + upwards (Figure 2), as soon as the battery is inserted the led (A) will light up for a few seconds, wait for the led (A) to turn off, close the two half-shells and follow the following procedure:
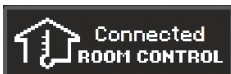
1) Press button B on the Room Control to start the device; LED A will light up for a few seconds.
2) Press the **Menu Button** on the generator's control panel several times until the **ROOM CONTROL** screen appears. This is the screen:

3) Press one of the **Scroll Buttons** (up arrow or down arrow) to enable it. The following screen appears:

4) Press button B on the Room Control once again.
5) Press the **Flame Button** for the following screen to appear:

The Room Control is now connected to the generator.

6) At this point you can select one of the two modes available, Eco mode or Switch mode, which are described below. To select a mode simply press one of the **Scroll Buttons** (up arrow or down arrow).
Once you have selected the preferred mode, confirm by pressing the **Menu Button.** Then, see § 11.

6 – ECO MODE FUNCTION (modulation only)

In the Eco Mode function the device automatically adjusts the ventilation and combustion power of the generator according to the temperature set by the customer in the generator's display.
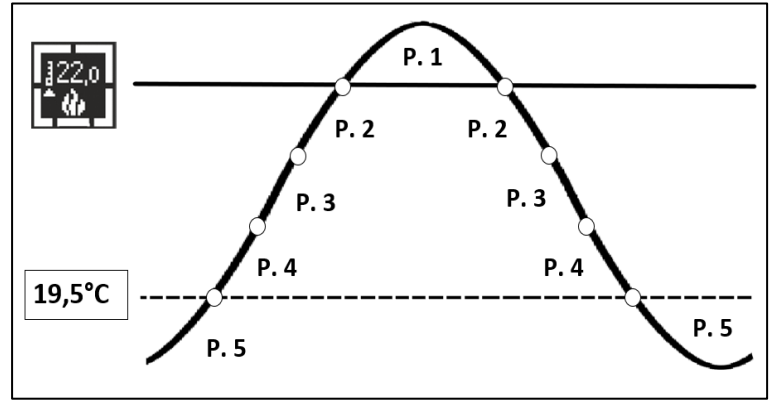
You can change the set temperature at any time by simply pressing the **Scroll Buttons** (up arrow or down arrow),

The generator will set itself at the maximum power for both combustion and ventilation, and modulate both levels as the room temperature approaches the set temperature. Once the set temperature is reached both the combustion power and the ventilation power will return to the minimum setting.

When using this program, the infrared remote control supplied cannot be used.

Attention: The power and the ventilation depend on the set temperature: if the set temperature is too high or not reachable the appliance may operate at the maximum power for long periods of time.

Attention: The Eco Mode function does not switch the appliance on or off. Starts and stops must always be made from the control panel with the **Flame Button** or by programming. Remember that transmission of the signal to the generator can be affected by the surrounding environment: thick walls can reduce the transmission which normally extends as far as 7-8 metres.

Temperature set on the display: 22°C
Hysteresis: 2°C
Combustion power: automatic

7 – SWITCH MODE FUNCTION (modulation with starts and stops)

In the Switch Mode function, the device reaches the set room temperature at the desired power and, once exceeded, gradually lowers the ventilation and combustion power of the generator.

Once the room temperature has been exceeded by over 2°C the device switches off the generator. When the room temperature drops below the set room temperature by more than 2°C the generator will automatically start up again.

You can change the desired room temperature at any time by pressing the **Down arrow** and/or **Up arrow**.
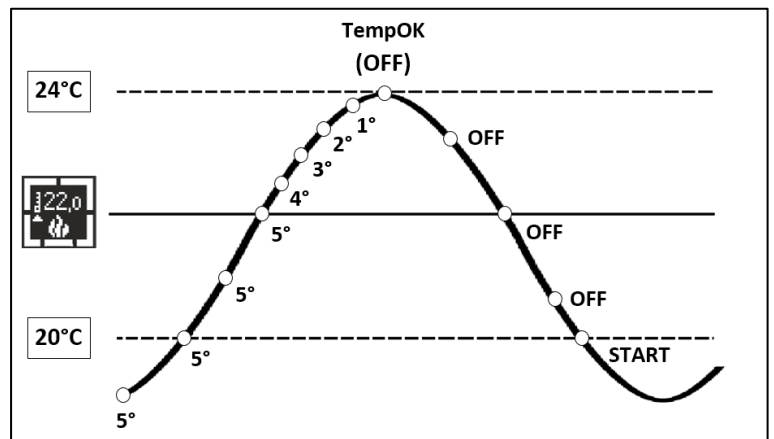
When using this program, the infrared remote control supplied cannot be used. IMPORTANT: read § 11!

Here is an example:

In this case the user selected the maximum combustion power (5th) and the room temperature of 22°C. With this configuration the generator will go to 22°C at the selected power (5th) then begin modulating. If, despite the modulation, the room temperature rises above 24°C the generator will power off. Then it will start up at the previously selected power (in this case 5th) but only when the room temperature drops below 20°C.

ATTENTION: This graph is purely indicative as the course of room temperatures can vary even greatly depending on the insulation of the building (energy efficiency class of the building) and on the position of the appliance in the layout of the building. Consequently, it may occur that the generator does not manage to reach the automatic switch off or automatic restart for these reasons. This does not indicate a defect in the product.

The manufacturer denies all responsibility for the life of the electrical heater if subjected to excessive start-ups. A maximum of 3 on-off cycles are permitted per day.

Temperature set on the display: 22°C
Hysteresis: 2°C
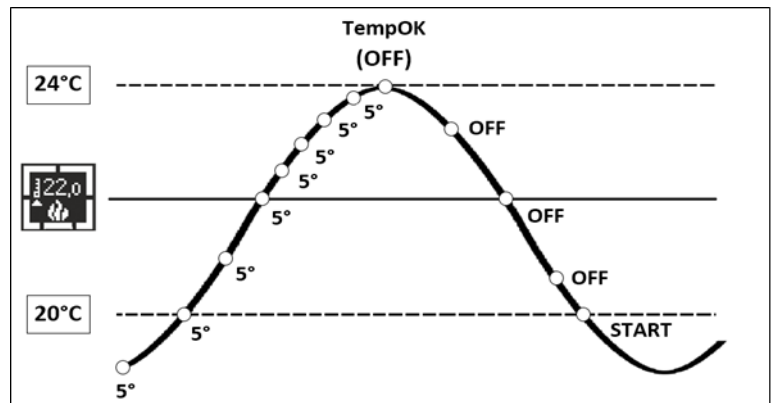**Power set on the display: 5**

8 – FONCTION « COMFORT MODE » (switching on and off, and weekly programming)

The Natural function can be selected. The combustion power and the fan speed are independent and it must be selected by the user.

3 user-selectable temperature levels (T1, T2, T3) and weekly programming.

IMPORTANT: read § 11!

- **MODULATION-FREE SWITCHING ON AND OFF**

- **THE NATURAL FUNCTION CAN BE SELECTED BY THE USER**

- **THE COMBUSTION POWER CAN BE SELECTED BY THE USER**

- **THE FAN SPEED CAN BE SELECTED BY THE USER**

- **SWITCHING ON AND OFF IS CONTROLLED BY THE TARGET TEMPERATURE (T1, T2, T3), WITH A HYSTERESIS OF 2°C**

- **THE TARGET TEMPERATURE CAN BE CHANGED ON THE MAIN PAGE OF THE DISPLAY, BUT ONLY FOR THE DURATION OF THE CURRENT TEMPERATURE RANGE (T1, T2, OR T3)**

- **THE LETTER "M" APPEARS ON THE DISPLAY IF THE TARGET TEMPERATURE IS CHANGED MANUALLY**

- **THE TARGET TEMPERATURE (T1, T2, OR T3) IS AUTOMATICALLY RESET THE FIRST TIME THE TEMPERATURE RANGE (T1, T2, OR T3) IS CHANGED**

Temperature set on the display: 22°C
Hysteresis: 2°C
Power set on the display: 5

COMFORT MODE : PROGRAMMATION

M	Press to enter to the Room Control menu.
+ ▽	Keys to activate the function (Enabled/Disabled).
M +	M and + keys to select the function.
♨	Flame key to confirm the function. (T1,T2,T3).
+ ▽	Keys for setting temperatures (T1, T2, T3).
♨	Press to confirm the T and move on to the next one.
♨ + ▽	Buttons to select T1, T2, or T3 and the time; confirm with the Flame button.
✳	Ventilation button to copy to the next day (Monday Tuesday,..., Sunday).
🕐	Clock button to select the day to be programmed.
M	Button to return to the menu.

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9 – DEACTIVATION OF THE ROOM CONTROL

The Room Control function can be disabled at any time. To deactivate it proceed as follows:
1) Press the **Menu Button** on the generator's control panel several times until the **ROOM CONTROL** screen appears.
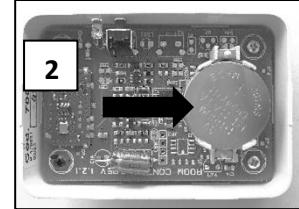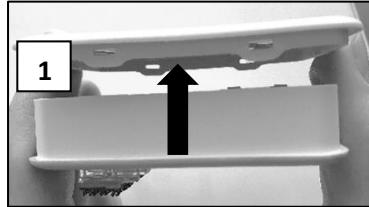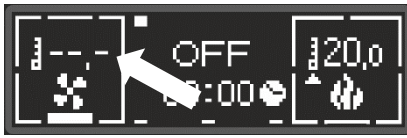2) Press one of the **Scroll Buttons** (up arrow or down arrow) until "DISABLED" appears on the screen

3) Once this word appears, press the **Menu Button** to confirm.
To reactivate it simply repeat the procedure described above, but this time select the "Enabled" screen.

10 – BATTERY REPLACEMENT

When the device stops transmitting the signal, three dashes will appear on the generator's display (see left-hand figure below); this indicates that the battery needs to be replaced. To replace the battery, separate the two half casings of the device by applying slight outward pressure, and replace the battery. Then press button B on the Room Control again to start the device; LED A will light up for a few moments. If the room temperature is not instantly displayed above the ventilation symbol, repeat the connection procedure described in § 5. Ensure that the polarity is correct and that the contacts of the device and of the battery are clean, and if necessary clean them. The dead battery must be disposed of safely (see § 2).

11 – FIRST ACTIVATION/CHANGE OF MODE

At the end of the first activation (or battery replacement, or changing the operating mode), if the "Switch mode" or "Comfort Mode" functions are selected, always remember:

1) The first ignition is manual, pressing the FLAME key on the control panel;

2) then press button B on the Room Control module again (LED A will light up briefly), to reconnect it to the heater and update the temperature reading.