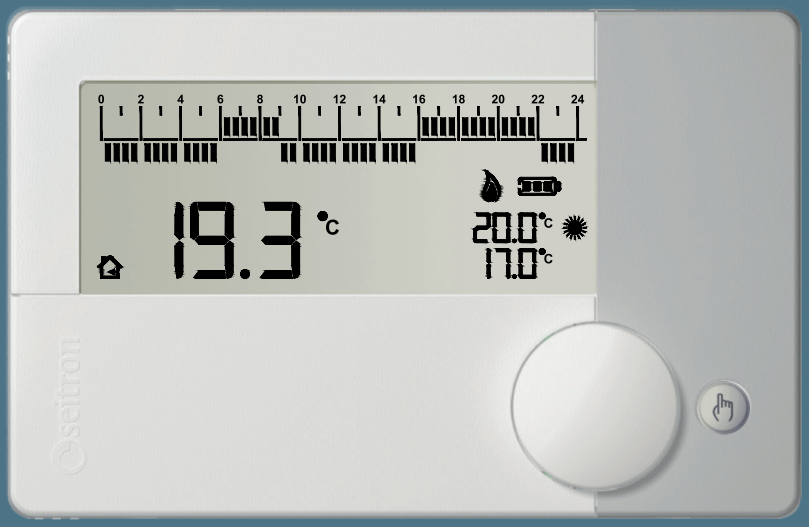
seitron
Innovation Technology

USER MANUAL

freetime evo



Daily programmable thermostat

PROGRAMMABLE THERMOSTAT freetime evo

Wall-mounted, battery powered daily programmable electronic thermostat, allows to set the room temperature easily and precisely.
Suitable for controlling Heating and Cooling systems through a relay output with changeover contacts (C, NC, NO).
The regulation of the room temperature happens on two levels: Comfort and Economy (according to the set time program).
The minimum settable temperature is +0,5°C (anti-frost temperature): this allows to protect your heating system from any damage due to freezing, if the freetime evo is turned off.
Featured with an input for the remote sensor connection, the device offers the possibility to regulate the Offset on the internal sensor or on the remote sensor (with this parameter it is possible to correct any systematic reading errors due to the placement of the freetime evo or the remote sensor, in areas which are not suitable for room temperature detection).

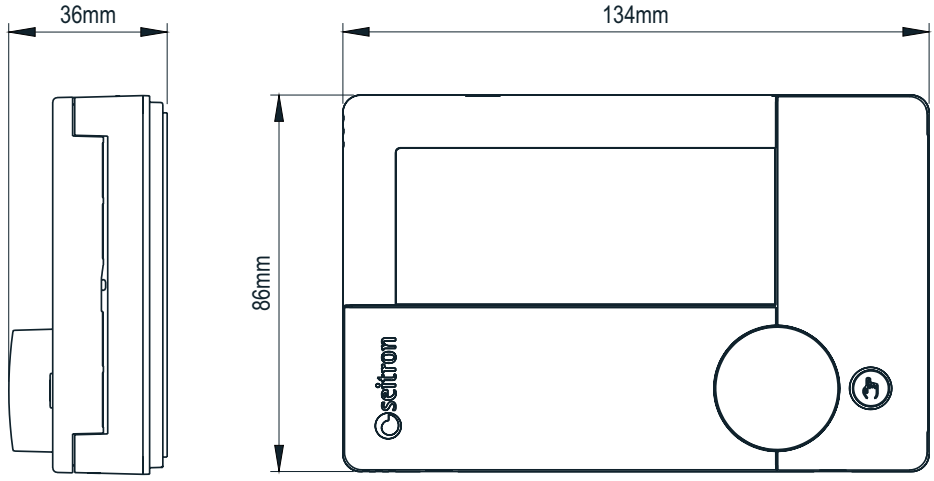
TECHNICAL FEATURES

Power supply:		2 x 1,5V alkaline (Type AA)
Battery life:		>3 years
Regulation field:	comfort:	5°C .. 40°C
	economy:	5°C .. 40°C
Type of internal sensor:		NTC 10K Ohm ±1% @ 25°C
	Range:	-9,9°C .. +50,0°C
	Precision:	±1,0°C
	Resolution:	0.1°C. (0.0°C .. 50.0°C)
		0.2°C. (-9.9°C .. -0.1°C)
Type of remote sensor (optional):		NTC 10K Ohm ±1% @ 25°C
	Range:	-9,9°C .. +50,0°C
	Precision:	±1,0°C
	Resolution:	0.1°C. (0.0°C .. 50.0°C)
		0.2°C. (-9.9°C .. -0.1°C)
Max. remote sensor wires length:		15 m
Differential:		0.0°C .. 5.0°C
Anti-frost:		0.5°C .. 25.0°C
Internal sensor Offset:		±10.0°C. (Default 0.0°C)
Remote sensor Offset:		±10.0°C. (Default 0.0°C)
Contact rating:		5(1)A 250V ~ SPDT
Protection grade:		IP 30
Type of action:		1
Overvoltage category:		II
Pollution degree:		2
Tracking index (PTI):		175
Class of protection against electric shock:		II ⧈
Rated impulse voltage:		2500V
Number of manual cycles:		1.000
Number of automatic cycles:		100.000
Software class:		A
EMC test voltage:		3V⎓
EMC test current:		38mA
Distances tolerances fault mode 'short' exclusion:		±0,15mm
Ball pressure test temperature:		75°C
Operating temperature:		0°C .. +40°C
Storage temperature:		-10°C .. +50°C
Humidity limits:		20% .. 80% RH non condensing
Case:	Material:	ABS+PC V0 self-extinguishing
	Color:	White

CLASSIFICATION UNDER REG. 2013.811.CE

Class:	IV
Contribution to energy efficiency:	2%

DIMENSIONS



TURNING ON / OFF WITH ANTI-FREEZE MODE ACTIVATED

In order to **deactivate or activate** the freetime evo press the key " ", the device will be on OFF condition and the display shows the writing "OFF" and the symbol " ".
If the programmable thermostat is set to winter operation mode (see user parameter PAR6.0 H_C) and the anti-freeze mode is activated, the display shows the related symbol " " and the set anti-freeze setpoint temperature (see user parameter PAR1.0 AFr); in this case the room temperature is regulated according to the set value for the anti-freeze parameter.

OPERATION LOGIC

On "Heating" mode, when the detected room temperature, by the internal sensor or alternatively by the remote sensor, is lower than the set one (manually or by program), the freetime evo will turn on the relay to start the boiler and the symbol " " appears on the display.
On "Cooling mode", when the detected room temperature, by the internal sensor or alternatively by the remote sensor, is higher than the set one (manually or by program), the freetime evo will turn on the relay to start the cooling system and the symbol " " appears on the display.
The switch from Heating mode to Cooling mode and vice-versa is not automatic, it has to be manually set using the user parameter "H_C" (see chapter "USER PARAMETERS SETTINGS").

REMOTE ROOM SENSOR

The freetime evo is featured with an input for the connection of a remote sensor (optional). The remote sensor can be used to detect the room temperature if the programmable thermostat must be installed in a position which is not suitable for room temperature detection.
If the installation foresees a remote probe connection, it is necessary to connect a 10 KOhm at 25°C NTC type sensor to terminals 4 and 5 as shown on the wiring diagrams at chapter "Wirings" and set the user parameter "PAR4.0 rEG" on "EHt" (external).
If you have any doubt about the type of sensor which can be connected, please ask the manufacturer for advise.
The temperature shown on the display related to the external sensor is distinguished by the symbol " " on the display.

TIME / TEMPERATURE DISPLAY

By pushing the knob, the current time or the detected room temperature can be alternatively displayed.
If a remote sensor is connected, by pushing the knob it is possible to show on the display, alternatively, the current time, the room temperature detected by the internal sensor and the temperature detected by the external sensor.
If a remote sensor is connected, the freetime evo also shows the icon " " indicating that the displayed temperature is the one from the internal sensor, or it shows the icon " " indicating that the shown temperature is the one detected by the remote sensor.
The temperature detected are shown corrected by the set Offset value (see user parameters PAR2.0 OFS1 and/or PAR3.0 OFS2).

WARNING:
The programmable thermostat, aiming to optimize the battery life, detects the room temperature every 3 minutes and, consequently, decides the activation or deactivation of the relay.

DISPLAY BACKLIGHT

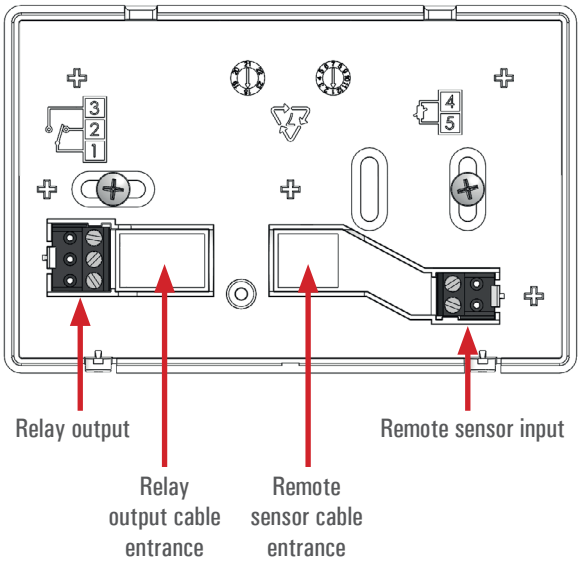
The display backlight is turned on if a key is pressed or when the knob is rotated.
The backlight is turned off automatically 20 seconds after a key has been pushed or the knob has been rotated or pushed.

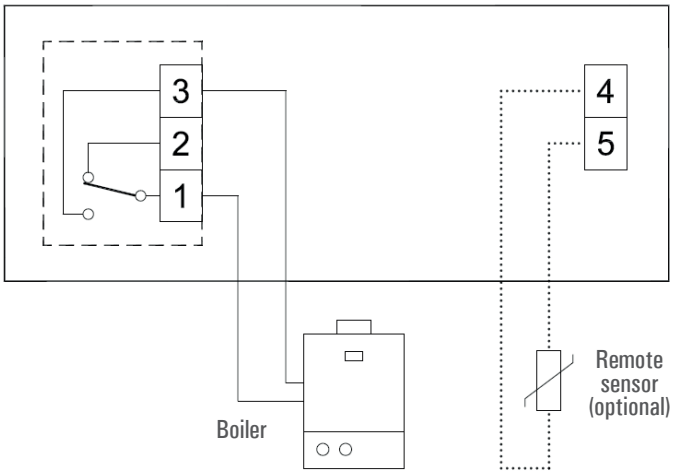
INSTALLATION

WARNING

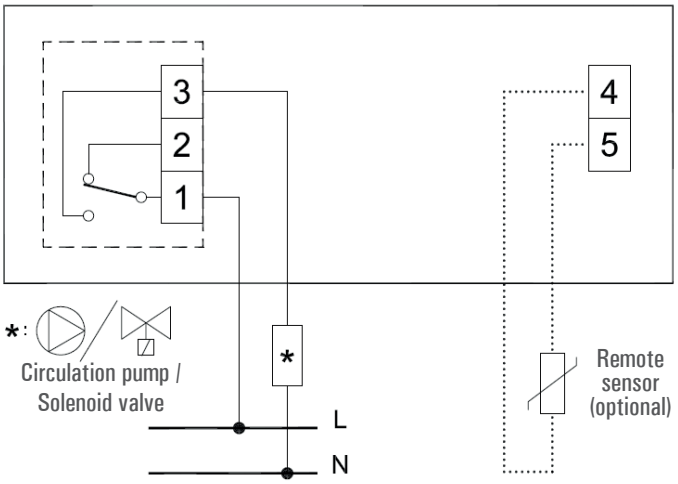
- **To properly set the room temperature, install the programmable thermostat far from heat sources, airstreams or particularly cold walls (thermal bridges).**
  If a remote sensor is used, the note is applied to the sensor and not to the programmable thermostat.
- **In order to connect the external probe use cables with minimum section of 1,5 mm² and with a maximum length of 15 m. Do not pass the cables through the pipes where the power lines run.**
- **If the load controlled by the relay of the programmable thermostat operates with mains voltage, the connection must be made via an omnipolar switch complying with current standards and with a contact opening of at least 3 mm in each pole.**
- **Installation and electrical wirings of this appliance must be made by qualified technicians and in compliance with the current standards.**
- **Before wiring the device be sure to turn the mains power off.**

WIRINGS





----: Reinforced insulation.



----: Reinforced insulation.

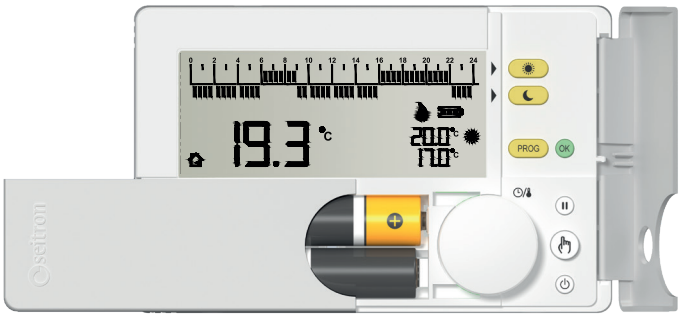
PELLET STOVE CONTROL

The programmable thermostat can be set to regulate the room temperature for turning on and off a pellet stove.
The relay output must be connected to the input for the activation/deactivation of the pellet stove.
Aiming to limit the on/off switches number of the stove, set the parameters as shown below:
- HYSt: Room temperature regulation hysteresis at 1,0°C
- tMIn: Minimum relay acrivation time at 30 minutes

INSERTING / REPLACING THE BATTERIES

In order to insert / replace the batteries, proceed as follows:

1. Open the plastic slider placed on the front of the product, which gives access to the battery compartment, sliding it to the left.
2. Extract the batteries, levering with a tool if needed.
3. Insert the new batteries, respecting the polarities indicated. The batteries must be alkaline at 1.5V type AA.
4. Check the clock accuracy and, if necessary, adjust it.



WARNING

- **If the batteries need to be replaced, dispose them in the special containers for recycling.**
- **Replace the batteries within about 5 minutes in order not to lose the set time; keep in mind that the clock stops at the moment when the batteries are removed and so it must be eventually updated.**

BATTERY LEVEL

The display always shows the battery life status with the symbol " ".
The battery life is full if inside the symbol all the three indicators are on.
On the contrary, the batteries are low and must be replaced if the display shows the symbol " " (with only one bar left).

WARNING

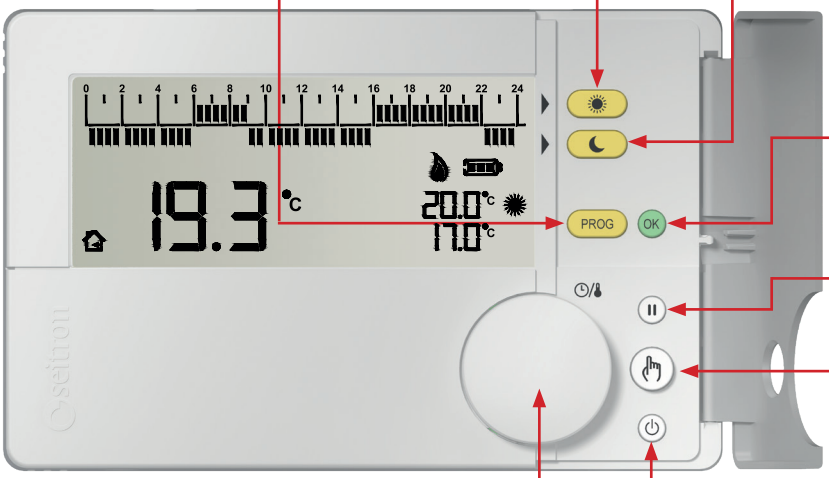
- **If the display shows the blinking writing "bAtt" and the symbol " " (completely empty), it means that the battery power is too low to allow the device to work properly and the output will always be off.**
  In this case the freetime evo won't regulate the temperature and the time schedule, the time and the detected room temperature won't be displayed.

KEYS AND KNOB FUNCTIONS

Double function key:
- Access the setting of the Comfort temperature (Set-Point)
- On “Time program setting” set the regulation in comfort mode

Enters the “Time program setting“ mode

Double function key:
- Access the setting of the Economy temperature (Set-Point).
- On “Time program setting” sets the regulation on Economy mode.



Double function key:
- Confirms the settings.
- Pushed for 2 sec. enters the clock regulation mode.

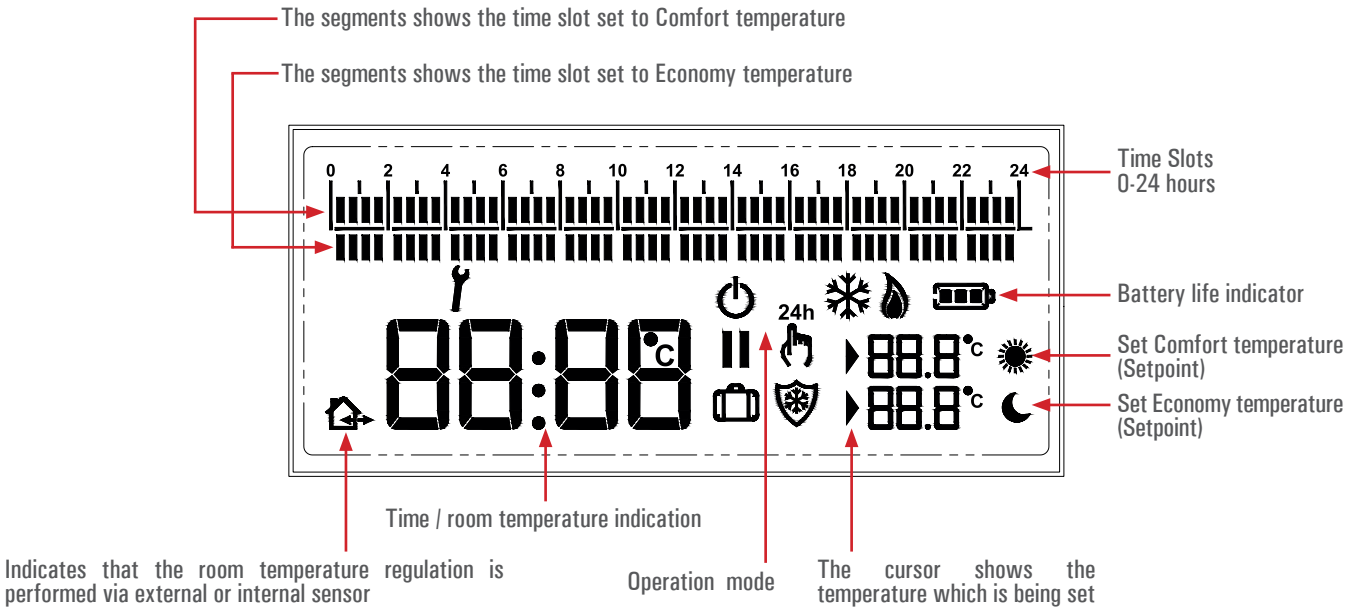
Start the “Pause“ mode (temporary stand-by).

When pushed repetedely cycles through the modes:
Manual 24 hours
Manual Permanent
Automatic

Double function key:
- Turns on / off the freetime evo.
- On “hourly program” / “user parameters settings“ exits from edit mode.

Multi-functions knob:
- On normal operation:
  - By pushing the knob, shows the time of the detected room temperature.
  - If the backlight is off, by rotating the knob it activates the display backlight.
- On “Comfort / Economy temperature setting” (when the keys “ ” or “ ” are pressed) by rotating the knob it is possible to set the temperature of the selected mode.
- On “Hourly Program Setting”, by rotating the knob towards right/left, shifts the hour-cursor through the 24 hours.
- By pushing the knob for 10 seconds, it enters the mode “Setting User Parameters” and then:
  - Rotating the knob, the display shows all the advanced parameters of the freetime evo.
  - When a “User Parameter” is selected, pushing the knob it enters edit mode of the selected parameter:
    - By rotating the knob, it is possible to set the desired value/data.
    - By pushing the knob again the chosen setting is confirmed.
- On mode “Manual 24 hours” / “Manual Permanent” by rotating the knob it is possible to set the desired temperature (Set-Point) on “manual” mode.

DISPLAY



Symbols

On the table below, are shown the symbols which can appear on the display and their meaning:

	Battery life.
	Comfort mode temperature setting (Set-Point).
	Economy mode temperature setting (Set-Point).
	Shows that the regulation temperature (Set-Point) is on edit mode.
	Anti-freeze mode activated, the display also shows the writing OFF (programmable thermostat off).
	Activation in heating mode (relay activated).
	Activation in cooling mode (relay activated).
24h	Room temperature regulation on Comfort mode for 24 hours.
	Room temperature regulation on Comfort mode permanently.
	The programmable thermostat is on “User parameters setting” or the freetime evo shows a fault condition.
	Programmable thermostat off.
	Regulation interrupted (Pause mode) for less than 96 hours; when the time is finished the programmable thermostat automatically restarts.
	Regulation interrupted (Vacation mode) for more than 96 hours (4 days); when the time is finished the programmable thermostat automatically restarts.
	The displayed room temperature is the one detected by the internal sensor. This symbol is only visible if a remote sensor is connected to the freetime evo. On the contrary the symbol will not be displayed because the only temperature shown is the one detected by the internal sensor.
	The displayed room temperature is the one detected by the remote sensor connected to terminals 4 and 5.

CLOCK SETTING

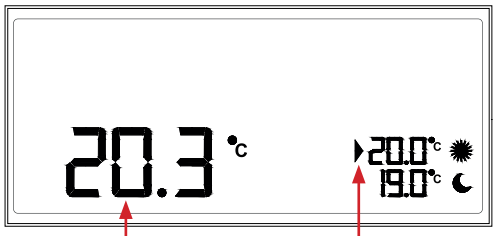
In order to set the clock of the programmable thermostat follow the instructions below:
1. Open the flap which gives access to the buttons.
2. Push for at least 2 seconds the button " OK "; the display shows "Set CLO" and the hour digits blink.
3. Set the hours by rotating the knob (right=Increase / left=Decrease).
4. Confirm with " OK " or by pushing the knob; the minutes digits blink.
5. Set the minutes by rotating the knob (right=Increase / left=Decrease).
6. Confirm with " OK " or by pushing the knob.

HEATING / COOLING SETTING

See the parameter "H_C" on the section "SETTING USER PARAMETERS".

COMFORT TEMPERATURE SETTING

In order to set the Comfort temperature, follow this procedure:
1. Open the flap which gives access to the buttons.
2. Push the button " ☀ ".
3. Rotate the knob, to adjust the regulation temperature (Set-point).
4. Confirm the set value with " OK " or pushing the knob.

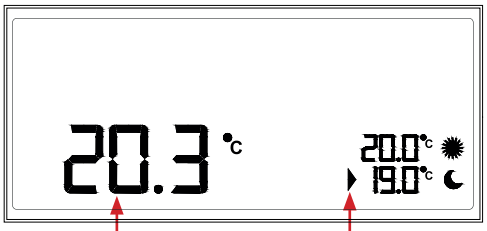


This is the room temperature value detected by the internal / remote sensor.

The arrow, placed near the comfort Set-point temperature, blinks indicating the edit mode.

ECONOMY TEMPERATURE SETTING

In order to set the Economy temperature, follow this procedure:
1. Open the flap which gives access to the buttons.
2. Push the button " ☾ ".
3. Rotate the knob, to adjust the regulation temperature (Set-point).
4. Confirm the set value with " OK " or pushing the knob.



This is the room temperature value detected by the internal / remote sensor.

The arrow, placed near the economy Set-point temperature, blinks indicating the edit mode.

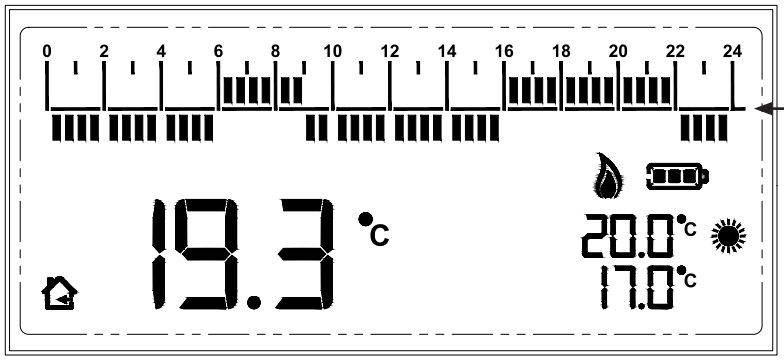
⚠ WARNING

Normally, in order to get a temperature decrease, the Economy temperature must be set to a lower value than the Comfort temperature.

DAILY TIME PROGRAM SETTING

During normal operation the upper and lower segments strip of the display shows the regulation mode of the freetime evo, which allows to customize the daily time program according to each proper need.
The upper segments strip shows the temperature regulation on Comfort mode, while the lower one shows the temperature regulation on Economy.

The default time program is shown below:



FACTORY SETTINGS (DEFAULT)	
TIME SLOT	REGULATION MODE
00:00 .. 06:00	*Economy*
06:00 .. 09:00	Comfort
09:00 .. 16:00	*Economy*
16:00 .. 22:00	Comfort
22:00 .. 24:00	*Economy*

TIME SCHEDULE EDITING - BRIEF DESCRIPTION

Push " PROG " to enter the editing of the time program.

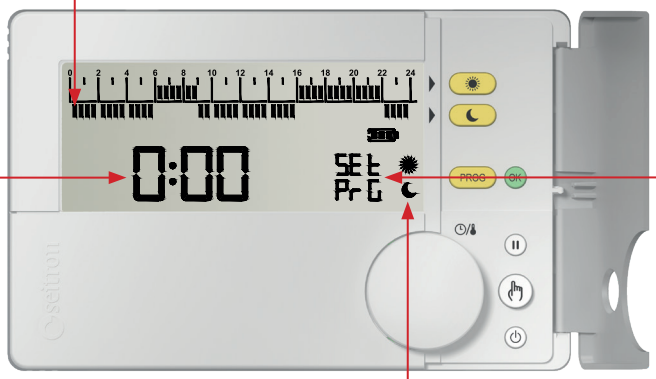
Rotate the knob to select the desired time without modifying the default time program.

Push " ☀ " to set the comfort mode (on the time histogram bar it is shown the segment on the upper strip).
Push " ☾ " to set the economy mode (on the time histogram bar it is shown the segment on the lower strip).
At every push of the button " ☀ " or " ☾ " the clock moves on the next half hour.

Every segment, shown on the time histogram, represents half an hour.

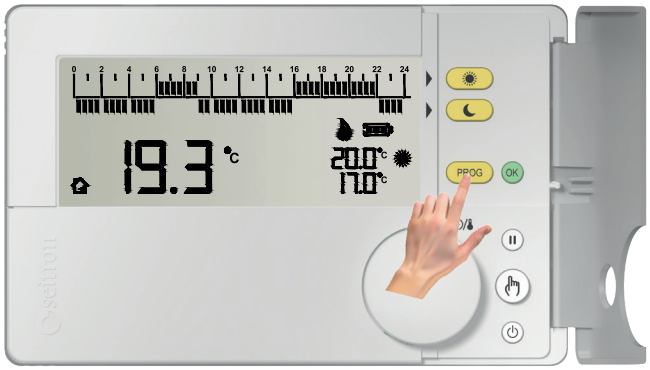
In order to confirm the changes push the knob or wait 10 seconds without pushing any button.

In order to cancel the modifications, resetting to the last time schedule set and exit from "Time schedule" edit mode, push the button " ⏻ ".



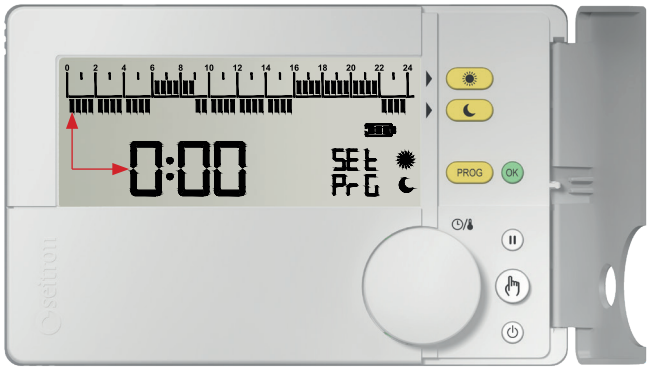
PROGRAMMING EXAMPLE:

1.



During normal operation, **push** " PROG " to enter the **time schedule edit mode**.

2.

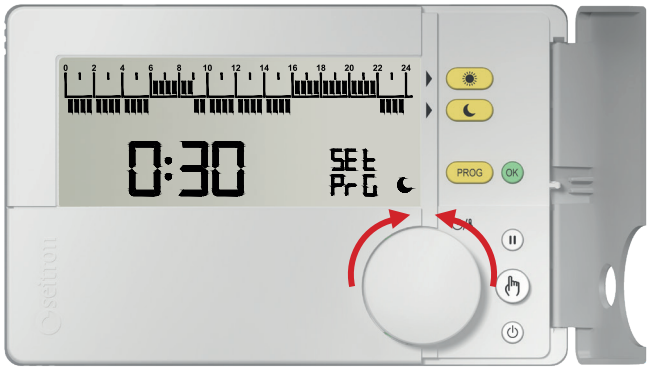


The display shows:

- "SEt PrG" indicating that the time schedule edit mode has been accessed.
- Hour 0:00.
- The blinking segment corresponds to hour 0:00.
- The symbol " ☾ " indicates the regulation mode which has been set.

The time schedule is set starting at hour 0:00 towards 24:00, with 30 minutes steps.

3.



Turning the knob moves the time cursor, WITHOUT modifying the previously set time schedule.
The corresponding segment will blink at the selected half hour.

4. When the time from which it is desired to modify the time schedule has been selected (in this case hour 5:00) proceed as follows:

Push " ☀ **"** to set the **comfort mode** (on the time histogram, a segment is shown on the upper strip).

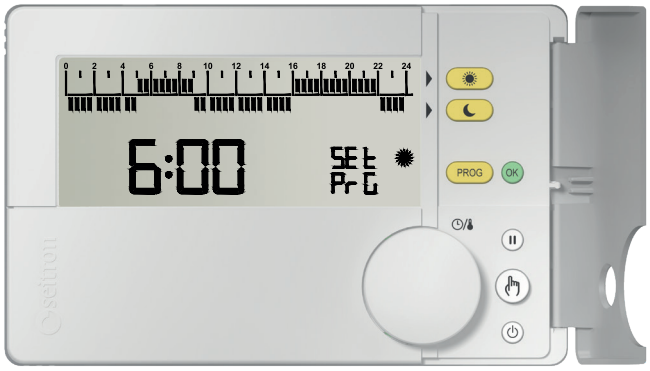
⚠ **WARNING**

- **In order to set the economy mode push "** ☾ **".**
- **At every push of the button "** ☀ **" or "** ☾ **" the time cursor automatically shifts on the next half hour.**

5.

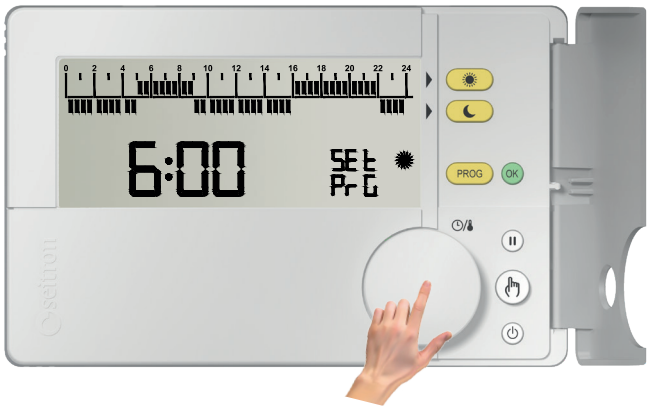
Push again " ☀ **"** to set the **comfort mode** (on the time histogram, a segment is shown on the upper strip).

6.



Continue with the setting as shown in this example (points 3 and 4), until the entire daily time slot is done.
On the opposite case, go to the next step.

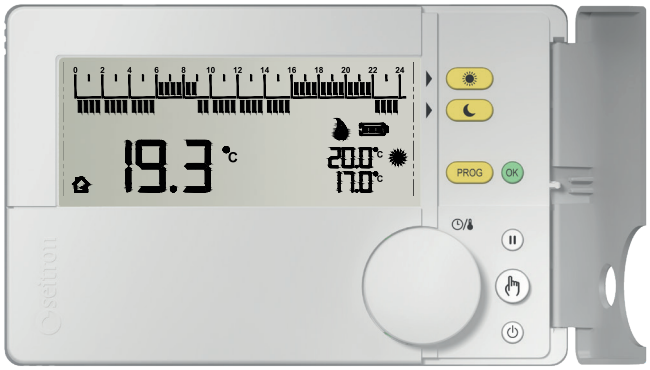
7.



In order to store the set time schedule and **exit** from the mode "Time Schedule" **push the knob** or the button " OK " or wait 10 seconds without pushing any button.

In order to cancel the modifications, restoring the last time program set, and **exit** from the mode "Hourly Schedule" **push the button** " ⏻ ".

8.



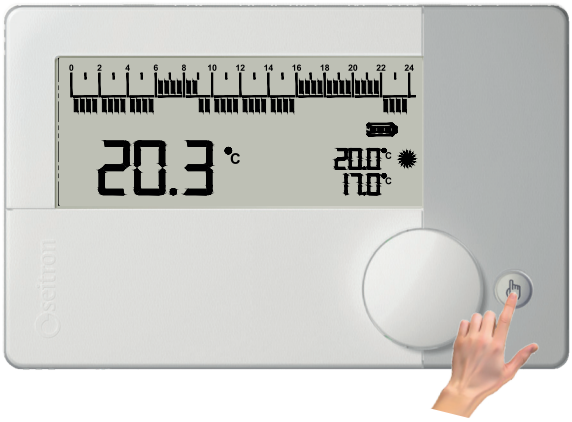
⚠ WARNING

- **If it is needed to restore the default time schedule, it is necessary to access the user parameter PAR 9.0 "dFLt" (set default data); in this case all the user parameters will be restored to factory values.**
- **The access to the time program setting IS NOT allowed on the following operational conditions: Off, Pause, Holiday, Manual 24h, Manual permanent.**

MANUAL OPERATION MODE

With the button " ", the freetime evo can be forced to regulate the room temperature independently from the time program.
On manual operation mode the temperature regulation (Set-Point) can be modified at any time by turning the knob and it is independent from the Comfort and Economy temperature of the time program.
By repeatedly pressing the button " ", it alternates between Automatic (normal operation) and Manual 24 hours, from Manual 24 hours to Manual Permanent, and from Manual Permanent it goes back to Automatic.
During manual operation mode the display will not show the time schedule, instead it will only show the room temperature, the relay status (possible symbols " " or " " are lit), the symbol " 24h " (manual 24h) or " " (manual permanent) and the "Manual" Set-Point temperature.

1.



By pressing **the button** " " **one time** the mode **Manual 24 hours is activated.**

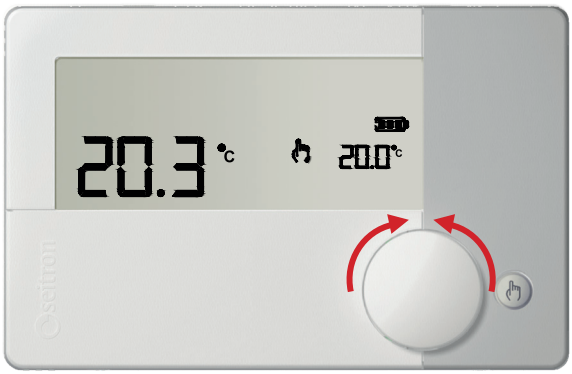
2.

The display shows the symbol " 24h " (manual 24h); the freetime evo remains on manual until 23:59 of the current day, after which it returns to Automatic mode.

Note: If Manual 24h mode is active and the Vacation mode is activated, when the Vacation setting expires and if it is past the 23.59, the programmable thermostat will go back to Automatic operation following the set time schedule.

By pushing a **second time the button** " " the operation is forced on **Manual Permanent**.

3.



The display shows the symbol " " (manual permanent); the freetime evo regulates the temperature on manual mode until the button " " is pushed again.

During manual operation (" 24h " or " ") **by turning the knob** it is possible to set the desired **"manual" Set-point temperature**, inside the range 5.0 .. 40°C.

4.

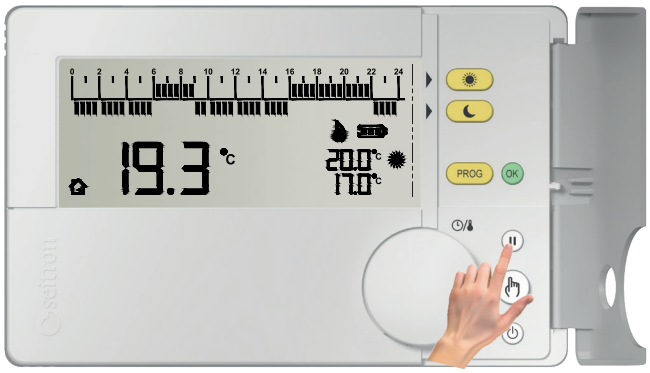
Pressing **the button once again** " " the freetime evo goes back to **automatic operation mode** (normal operation according to the set time schedule).

OPEARATION MODE ON PAUSE / VACATION

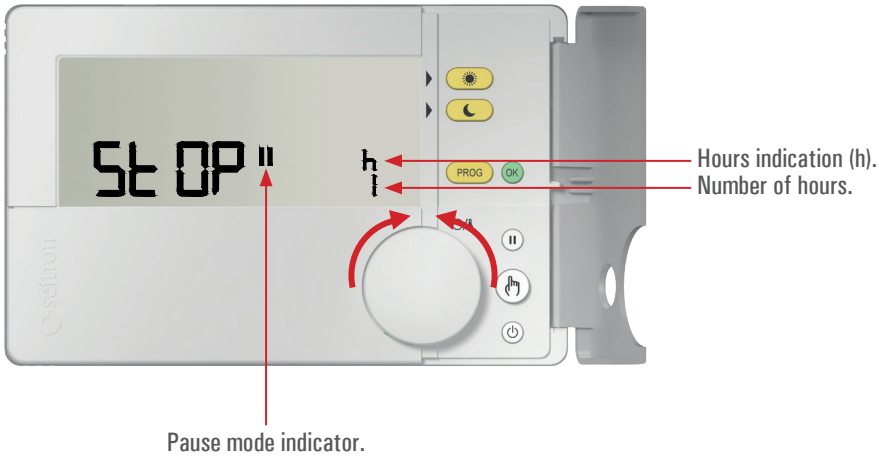
By pressing the button " ", the freetime evo stops the room temperature regulation taking itself on "Pause" or "Vacation" mode depending on the time set rotating the knob:
Pause: time set less than 96 hours
Vacation: time set more than 4 days (96 hours)

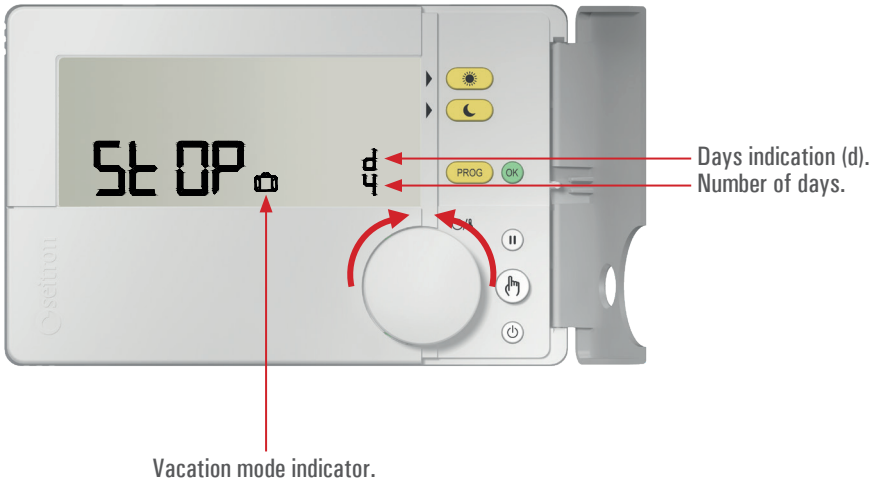
With this mode, it is activated (pushing the knob) a countdown timer, and when it is expired resets the freetime evo to the previously set operation mode.

1.



2.





NOTE:

- **Turn the knob to set the Pause (h) hours or the Vacation (d) days:**
  - **From 1 to 95 hours the display shows the symbol " " to indicate the "Pause" mode.**
  - **From 4 to 99 days the display shows the symbol " " to indicate the "Vacation" mode.**
- **The symbols blink indicating that the countdown is still to be confirmed.**

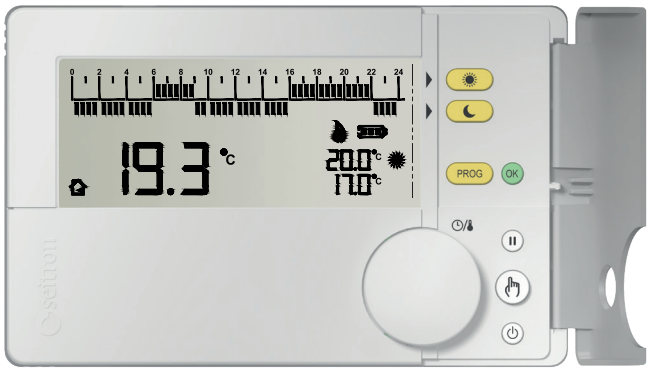
3.

In order to start the "Pause" or "Vacation" mode, **push the knob** or the button " OK " **or wait 10 seconds.**
The symbols " ❚❚ " or " " **are still lit** and the freetime evo starts the countdown.

4.

To exit the "Pause" or "Vacation" mode, **push** at any time the button " " or " ".

5.

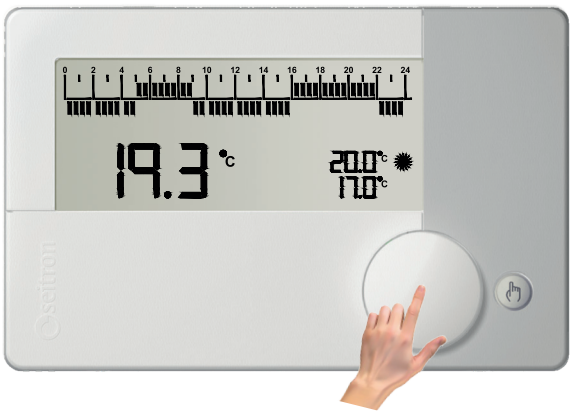


When the countdown is over, the freetime evo exits from the "Pause" or "Vacation" mode and **resumes the previous operation mode.**

USER PARAMETERS SETTING

On the menu "User parameters" it is possible to configure all the settings of the freetime evo.
Below, there is the sequence to enter the view and/or edit mode of the user parameters.

1.



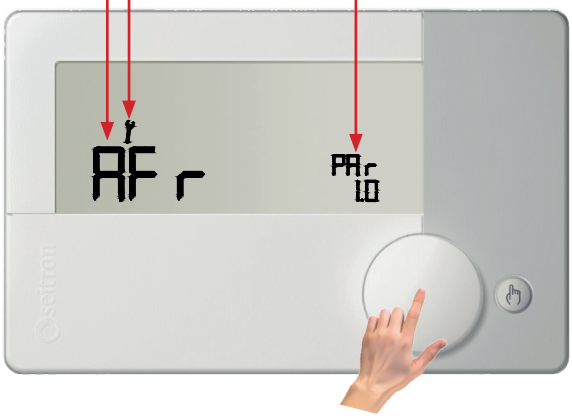
From the normal operation screen,
keep the knob pressed for more than 10 seconds.

Acronym of the parameter

The icon shows that the edit mode is active.

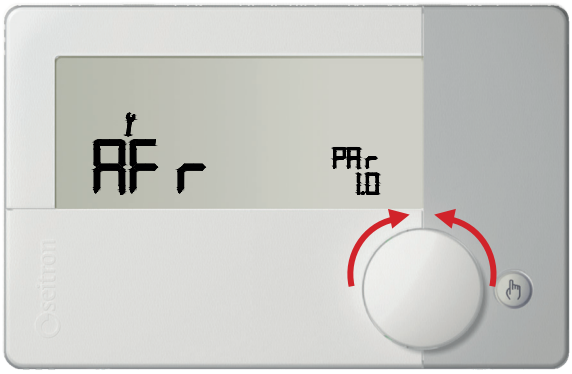
Number of the selected parameter.

2.



The display shows the first user parameter.

3.



Turning the knob scrolls through the nine available user parameters:

AFr	PAR 1.0	Anti-freeze setting
OFS1	PAR 2.0	Internal sensor offset setting
OFS2	PAR 3.0	Remote sensor offset setting
rEG	PAR 4.0	Regulation probe
HYSt	PAR 5.0	Differential setting (hysteresis)
H_C	PAR 6.0	Summer/Winter mode setting
tPI	PAR 7.0	PWM output setting
tMIn	PAR 8.0	Minimum output activation time (relay)
DFLt	PAR 9.0	Reset to default values (Default setting)

4.

Push the knob or the button " OK " to edit the parameter shown on the display.

5.

The display shows the set data for that parameter.
Turn the knob clockwise or anti-clockwise in order to modify the displayed data.
Every change is automatically stored in memory.

6.

Push the knob or the button " OK " in order to exit the edit mode of the selected parameter.
To **continue** the configuration of the other parameters **repeat from point 3.**

7.

To exit the configuration of the user parameters, **push** the button " ⏻ " or wait 10 seconds without pushing any button / knob.

⚠ WARNING

- **After 10 seconds of inactivity on the keys and/or on the knob, the programmable thermostat exits from user parameters setting mode and the display goes back to the normal operation screen.**
  Every change is automatically stored even if the button " ⏻ " is pushed.

USER PARAMETERS DETAILS

Below, there is a detailed explanation on each single "User parameter".

"AFr PAr 1.0" ANTI-FREEZE SETTING

The Anti-freeze mode allows you to select a minimum temperature to be maintained when the programmable thermostat is off, so as to protect both the room and the equipment when the room temperature falls below the set value.
The parameter can be set in the range OFF, 0,5°C .. 25°C. It is possible to deactivate the anti-freeze operation setting it to the minimum until the writing "OFF" is displayed.
The device leaves the factory with the Anti-freeze mode set on +6°C.
WARNING
The mode is active only when the device has been set on heating mode.

"OFS1 PAr 2.0" INTERNAL SENSOR OFFSET SETTING

With this parameter it is possible to correct the temperature reading of the internal sensor by ±10°C, in order to correct any systematic reading errors due to the positioning of the programmable thermostat in areas unsuitable for measuring room temperature.
The device leaves the factory with the Offset set to 0.0°C.

"OFS2 PAr 3.0" REMOTE SENSOR OFFSET SETTING

With this parameter it is possible to correct the temperature reading of the remote sensor by ±10°C, in order to correct any systematic reading errors due to the positioning of the remote sensor in areas unsuitable for measuring the room temperature.
The device leaves the factory with the Offset set to 0.0°C.

"rEG PAr 4.0" REGULATION SENSOR CHOICE SETTING

This parameter sets whether the room temperature regulation is made based on the programmable thermostat internal sensor or the remote sensor, wired at terminals 4 and 5.
"Int": internal sensor
"EHt": remote sensor

"HYSt PAr 5.0" DIFFERENTIAL SETTING (Hysteresis)

This parameter sets the hysteresis, in °C, used in the temperature regulation.
The parameter can be set in the range 0,0°C .. 5°C. The device leaves the factory with the hysteresis set to 0,2°C.

WARNING!
Setting this parameter must absolutely be made by qualified personnel because setting an inappropriate value might result in wrong operation of the whole regulation system.

"H_C PAr 6.0" SETTING HEATING / COOLING

This setting allows to invert the relay operation logic depending whether a cooling or heating system is being used.

The parameter can be set between:
"HEAt": Heating
"COOL": Cooling

The programmable thermostat leaves the factory set on heating mode.

"tPI PAr 7.0" PWM OUTPUT REGULATION

Allows to choose whether the relay output must be ON/OFF driven or PWM (Pulse Width Modulation) driven.
With ON/OFF regulation (parameter set to **no**) the programmable thermostat will regulate the output with customizable hysteresis on parameter "HYSt", while with PWM regulation (parameter set to **YES**) there will be a proportional adjustment which is possible to adapt to different environments with the parameters "bP" (proportional band), "t int" (integrative time), "PCYC" (PWM time cycle), "PMIn" (minimum ON time of the PWM).
The device leaves the factory with parameter set to **no**.

The following parameters will be displayed only if the "tPI" parameter has been set to "YES".

"bP PAr 7.1" PWM PROPORTIONAL BAND

This parameter allows to customize the proportional band in the range 1.0°C .. +8.0°C.
The device leaves the factory with parameter set to +2°C.

"t Int PAr 7.2" INTEGRATIVE TIME

This parameter allows to customize the integral time of the proportional regulation in the range OFF / 5 .. 180 minutes, by 5 minutes steps.
When set to OFF, no integral action will be done.
The device leaves the factory with parameter set on **OFF**.

"PCYC PAr 7.3" PWM CYCLE TIME

This parameter defines the duration of each PWM cycle in minutes, i.e. every how many minutes is the variable width pulse repeated.
The parameter can be set in the range 15 .. 60 minutes.
The device leaves the factory with parameter set on 30 minutes.

"PMIn PAr 7.4" MINIMUM TIME PWM ON

This parameter defines the minimum PWM pulse width i.e. the minimum output switch-on time.
When an electro-thermal actuator is wired to the output, this parameter must be set with the actuator's travel time, otherwise 'on' pulses of a lower

time respect to the travel time would generate unuseful output actions.
The parameter can be set in the range 3 .. 15 minutes.
The device leaves the factory with parameter set on 3 minutes.

"tMIn PAr 8.0" OUTPUT MINIMUM ACTIVATION TIME (relay)

The following parameter will only be visible if the parameter "tPI" has been set to "no".
This parameter allows to reduce the number of the output activation and deactivation cycles, which is useful if the programmable thermostat controls a pellet stove because it can't be turned on and off on quick intervals.
When the relay output is turned on, because it is needed to warm up (or cool down) the environment, it won't turn off until the set "Minimum time" has expired.
This parameter can be set in the range no/10 .. 90 minutes, with 10 minutes steps.
The device has been set by default with this parameter to "**no**" (option deactivated).

"dFLt PAr 9.0" SET DEFAULT DATA

With this parameter it is possible to reset user parameters in order to bring back all the parameters to the factory default.
Proceed as follows:

1. Select the parameter "**dFLt**" and push the knob or the button " OK "; the display shows the blinking writing "**-dF-**", indicating that the operation must be confirmed.
2. Push again the knob or the button " OK "; the device automatically sets the default data.
   On the contrary, wait 10 seconds without pushing any button; in this case the operation is cancelled.
3. The display shows the writing "**OFF**".
4. The programmable thermostat is deactivated; in order to activate the programmable thermostat press the button " ⏻ ".

WARNING!
By resetting the default data, the user parameters and the hourly program of the freetime evo will be restored to factory values.

TROUBLESHOOTING

PROBLEM	LIKELY CAUSES AND REMEDIES
The display shows the icon " 🔧 " and the following writings: **SnIn** alternated to **Shrt** or **Open**	The regulation of the room temperature is performed through the internal sensor (user parameter "rEG PAr 4.0" is set to "Int") and the internal sensor is faulty. It is necessary to send the device to the assistance center.
The display shows the icon " 🔧 " and the following writings: **SnEh** alternated to **Shrt** or **Open**	The regulation of the room temperature is performed through the remote sensor (user parameter "rEG PAr 4.0" is set to "EHt"), but this latter is not connected or it is faulty. The freetime evo does not regulate the temperature and the output is set to normally closed. Check the connections of the remote sensor or replace it with a new one.
The temperature of the remote sensor is not shown on the display.	The regulation of the room temperature is performed through the internal sensor (user parameter "rEG PAr 4.0" is set to "Int") and the remote sensor has not been connected.
The display shows "Err".	The regulation of the room temperature is performed through the remote sensor (user parameter "rEG PAr 4.0" is set to "EHt"), but the internal sensor is faulty. It is necessary to send the device to the assistance center.
The display shows the blinking writing "bAtt" and the symbol " ▭ ".	The batteries are too low to allow the freetime evo to operate. Replace the batteries.
The display shows the symbol " ❄ ".	The freetime evo operation mode is cooling. In order to resume the Heating mode, set the user parameter "H_C" to HEAt (see chapter "USER PARAMETERS SETTINGS").

WARNING
If an anomaly of the control probe occurs, the only action allowed is to entry the user parameters settings.

SEITRON S.p.A. a socio unico
Via del Commercio, 9/11 36065 - Mussolente (VI) ITALY
+39 0424 567 842 - info@seitron.it - www.seitron.com