Fig. 7 - SMART thermostat

Fig. 8 - Add the radiator
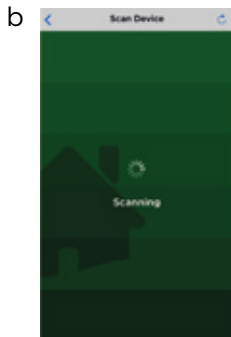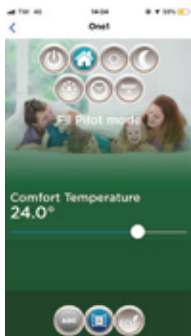
a

Devices List +

You have no thermostat yet
+ Add one now

b

Scan Device

Scanning

c

Scan Device

One

Fig. 9 - Mode STAND BY

One1

Fig. 10 - Mode FIL PILOT

One1

Fil Pilot mode

Comfort Temperature
24.0°

Fig. 11 - Mode COMFORT

One1

Comfort Temperature
24.0°

Fig. 12 - Mode NIGHT

One1

Night mode

Economy Temperature
21.0°

Fig. 13 - Antifreeze

One1

Anti freeze

7.0°

Fig. 14 - Mode Programme

One1

P8

Chrono mode

Comfort Temperature
24.0°

Economy Temperature
21.0°
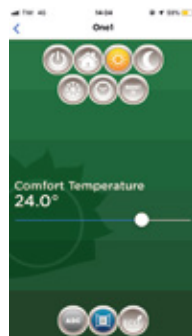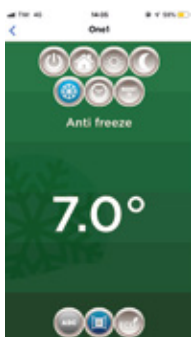
Fig. 15 - Boost 2H

Fig. 16 - Open window detection

Fig. 17 - W-FI

a

b

c
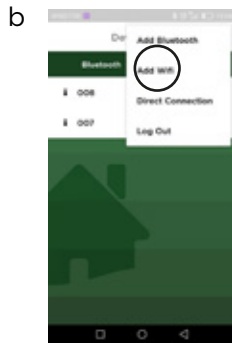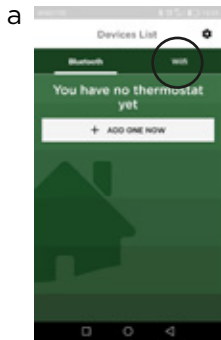

Fig. 18 - Remote control

[Fig. 7]

The thermostat has two buttons:
1) CONNECTION: to connect a smartphone or a remote control; [Fig. 7a]
2) STAND-BY (Stand by or comfort 20 ° C). [Fig. 7b]

OPERATING MODES: Stand-by, Fil Pilot, Comfort, Night,
Antifreeze, Programmable Thermostat, BOOST 2H, ECO, detection of open windows, ASC.

LED: each function corresponds to a LED light of a different color on the electronics, as following:

OPERATING MODES	COLORS
STAND-BY	green
FIL-PILOT	orange
CONFORT	red
NIGHT	light blue
BOOST 2H	flashing red
ANTIFREEZE	blue
CHRONO	white

RADIATORI 2000 SMART APP

The Radiatori 2000 smart thermostat communicates bidirectional with the free RADIATORI 2000 SMART app, available for smartphones and tablets compatible with systems iOS and Android.
The application connects to the thermostat via Bluetooth or via the module Wi-Fi with encrypted authentication to the home router for remote control.

CONNECTING THE THERMOSTAT TO THE APP

1) The first use of the application requires the creation of a account: only email address is required.
2) Press the Wi-Fi button on the thermostat. There will appear a blue flashing light;
3) Add the radiator with the + ADD ONE button on the screen of the smartphone. Each radiator will be inserted automatically with the name ONE. [Fig. 8]
4) Rename each radiator with the desired name by selecting it;
5) Once you have registered all the radiators in the house, you can start to control each of them by touching the name of the radiator to control.

FUNCTIONS

The following functions can only be managed via an application or the remote control. [Page 14]

1. STAND-BY (green led) [Fig. 9]

In STAND-BY mode, the radiator does not heat up.

2. MODE FIL PILOTE (orange led) [Fig. 10]

FIL PILOT is a special communication protocol that allows the radiator to be managed by a special control unit. The modes are managed by the central, while the temperature setting is managed by the user on the chronothermostat.

6 types of command are recognized.
Command Fil Pilote :

1) Comfort : set point = comfort mode temperature.
2) Night reduction : set point = comfort -3.5°C
3) ECO1 : set point = comfort -1°C
4) ECO2 : set point = comfort -2°C
5) Antifreeze: set point = 7°C
6) Stop: no temperature regulation, radiator off. Mode STAND-BY.

The reference temperatures are those defined in comfort mode.

3. MODE COMFORT (led red)   [Fig. 11]

In Comfort mode, you can set the desired temperature with the PLUS and LESS buttons. The radiator remains ON until the set temperature is reached. The Comfort program is indicated by the sun symbol. The selected temperature is also used for the weekly program (par. 9) as a comfort level and in FIL PILOTE mode (par. 2) as a comfort temperature point.

4. NIGHT MODE (light blue led) [Fig. 12]

In Night mode, you can set the desired temperature with the PLUS and LESS buttons. This temperature is independent from the comfort temperature. The NIGHT program is indicated by the moon symbol. The selected temperature is also used for the weekly program (par. 9) as night level temperature.

5. ANTIFREEZE (blue led)   [Fig. 13]

In this operating mode, the temperature cannot be adjusted by the user, but is fixed at 7 ° C. In antifreeze mode, the screen indicates the snow symbol and the antifreeze temperature, bent at 7 ° C. This mode prevents the ambient temperature from falling below 7 ° C.

6. MODE PROGRAM (white led) [Fig. 14]

Radiatori 2000 Smart is a 24/7 programmable thermostat.
In this operating mode, the thermostat regulates the temperature according to the daily program, using comfort temperature or night setback temperature programmed. The function is indicated by the clock symbol. The selected temperature is displayed on the screen.
To program the thermostat, go to paragraph 9.

7. BOOST 2H   [Fig. 15]

This mode can be used to heat the environment quickly. The device is delivered on full power for 2 hours with a temperature set at 30 ° C. BOOST 2H mode it is configured to stop automatically after a period of 2 hours and return to operating mode previously defined. If necessary, the user can return to other modes in any moment simply by selecting them.
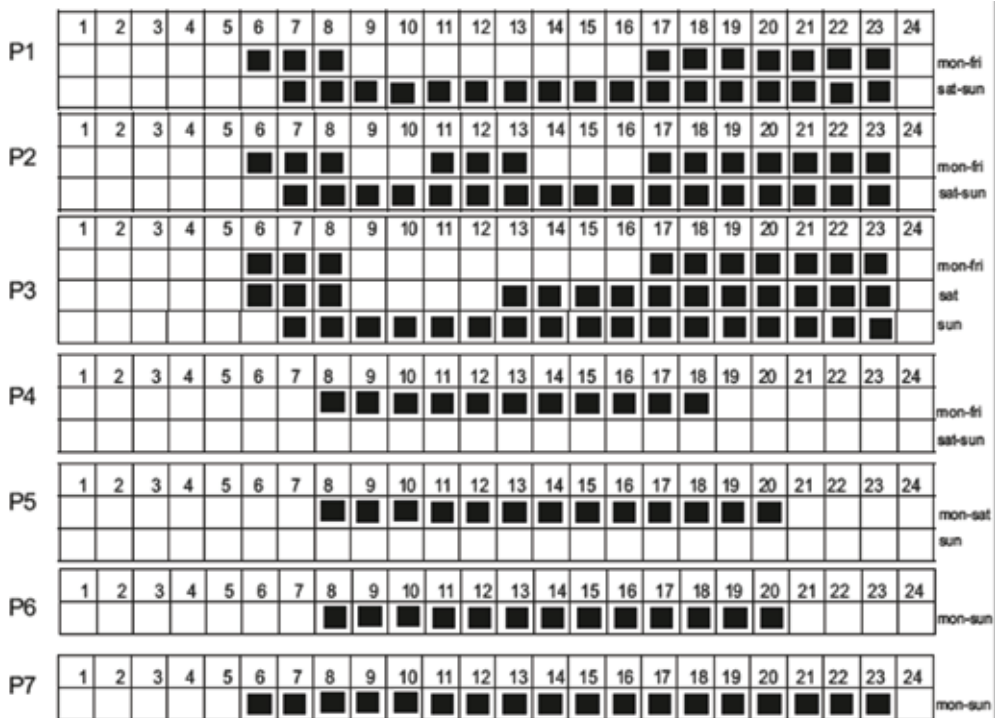
8. OPEN WINDOW DETECTION   [Fig. 16]

The function can detect the open window state. The function is activated when the temperature drops quickly, (when a window is open in the room). When the window open state is detected, the screen displays the window icon and the radiator goes to antifreeze at 7 ° C. The status automatically ends if the window closure is detected.

9. WEEKLY PROGRAM 24H/24 ET 7J/7

The thermostat has 7 preset programs and 2 user customizable programs.
To use the programmable mode, select the CHRONO icon. [Fig. 14]
Here below the diagrams of the 7 predefined programs. The black boxes correspond to the comfort temperature; the white boxes to the night reduction.

P1

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
mon-fri						■	■	■									■	■	■	■	■	■	■		
sat-sun							■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	

P2

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
mon-fri						■	■	■			■	■	■				■	■	■	■	■	■	■		
sat-sun							■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■		

P3

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
mon-fri						■	■	■									■	■	■	■	■	■	■		
sat						■	■	■					■	■	■	■	■	■	■	■	■	■	■		
sun							■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	

P4

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
mon-fri								■	■	■	■	■	■	■	■	■	■	■							
sat-sun																									

P5

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
mon-sat								■	■	■	■	■	■	■	■	■	■	■	■	■					
sun																									

P6

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
mon-sun								■	■	■	■	■	■	■	■	■	■	■	■	■					

P7

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
mon-sun						■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■		

With programs P8 and P9, it is possible to define a personalized calendar for each day of the week. From day 1, select the desired sequence to choose, for every hour, to have the temperature "COMFORT" (full boxes) or "NIGHT" (empty boxes).
Repeat the same procedure for the remaining 6 days of the week.

WI-FI MODULE

To activate the Wi-Fi module and control the domestic radiators remotely, proceed as following:

1) Go to the Wi-Fi area of the application [Fig. 17a];
2) Select *ADD WI-FI* [Fig. 17b];
3) Select *ADD THERMOSTAT NOT YET CONNECTED TO THE HOME NETWORK* [Fig. 17c];
4) Activate the Wi-Fi of the smartphone / tablet;
5) Connect to the thermostat's Wi-Fi network;
6) The application will ask you to connect to the home network.
7) Enter the password for the home router. (**ATTENTION**: if you enter a password wrong pass, activate RESET procedure: press the connection button on the thermostat for 15 seconds.)
8) Select *ADD WI-FI* again [Fig. 17b];
9) Select *ADD THERMOSTAT ALREADY CONNECTED TO THE HOME NETWORK* [Fig. 17c];
10) At this point, scan the QR code provided with the thermostat packaging;
11) Rename the radiator as you prefer.

REMOTE CONTROL [Fig. 18]

As an **alternative to the application**, the electronics also communicate with a remote control which can be purchased on request.
The remote control has a wireless connection: it can be portable or attached to the wall near the radiator (**max. 4 meters**).

Using the remote control, it is possible to control the SMART thermostat with the same operating modes: Stand-by, Fil Pilot, Comfort, Night, Antifreeze, Thermostat Programmable, BOOST 2H, ECO, detection of open windows, ASC.

For more information and detailed instructions, see the website.
www.radiatori2000.it
or write to
customerservice@radiatori2000.it