Selmo ELECTRONICS

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"ONE"
Electronic control for towel heater
USER MANUAL

One is an advanced electronic thermostat for electric towel with fluid heat transfer and control of enviormental temperature through ambient sensor.
One is composed by a fixed unity in the left or in the right of the towel that communicates bidirectionally with his remote controller (separately disponible).
The controller, easily fixable through a magnetic support, is coverable by 7 different colors rubber covers; the backlight display offers a wide visual of informations, moreover, the controller can also manage at most 8 different towels.
One can also be connected with Android and IOS mobile devices, through a dedicated App.
One is a certified product.

Search "Comfort one" On Appstore or Google Play or use QR Codes:

GET IT ON Google Play
Available on the App Store

ONE is according to directives:

-Eco-design Directive for Energy-using Products, 2005/32/EC (<0,5W).
EN 62233:2008
EN 55014-1:2006 + A1:2009 + A2:2011
EN 55014-2:1997 + A1:2001 + IS1:2007 + A2:2008 ===> Cat. 2
EN 61000-3-2:2014
EN 61000-3-3:201

Functions	Comfort, Night, Antifreeze (7°C), Stand-by, Chrono, Boost 2h, ECO,ASC, Fil-Pilote (on Class II), Open Window Relevation.
Certifications	CE
Voltage and frequency	230 VAC - 50 Hz
Disponible powers	From 100 to 1000 Watt
Temp. control range	7°C ÷ 30°C
Insulation class	Class I, Class II
IP protection	Unità fissa IP44
Dimensions	Fixed Unity 56 x 56 x 44 mm Remote Control 76 x 76 x 32 mm
Disponible Colors	White,Chrome
Optional	Connectible to iOS and Android . On request it can also be supplied with a fluid temperature sensor and his dedicated Remote Controller (see pics)

N.B: The steps, in the instructions illustrated below, refers to the programming by remote control, for programming by smartphone, see the paragraph dedicated to the other manual's part

1. INGINTON / STAND-BY
N.B FOR THE FIRST IGNITION, SEE THE DEDICATED PARAGRAPH, ON THE NEXT PAGE
Press the **[On / Stand-by]** key to turn on the unit or activate the "Stand-by" mode.
When it is active, the set mode and temperature are displayed. During "Stand-by" the display shows the symbol On / Off, the current time and the day of the week.
NOTE: When the device enters "Stand-by" mode, 2 sounds of 0.5 seconds are emitted.
When the device is switched on, it emits two sounds lasting one second.

2. COMFORT AND NIGHT MODE
Two different temperature levels can be set:
- **"COMFORT" TEMPERATURE**: this is the temperature used for the "Chrono", "Fil-Pilote" and "Comfort" modes.
- **"NIGHT" TEMPERATURE:** this is the temperature used for "Night" and "Chrono" modes.
The desired temperature setting can be set by pressing the **[+]** and **[-]** buttons.
The temperature regulation range is between 7 ° C and 30 ° C.
IMPORTANT!
The "Night" temperature is always lower than the "Comfort" temperature and the priority is assigned to the "Comfort" temperature. For this reason the "Night" temperature can be set in the range 7 ° C ÷ (Selected Comfort Temperature), the "Comfort" temperature can be set within the entire range: from 7 to 30 ° C.

3. OPERATIVE MODE
Press **[Prog]** mode to enter in every operative mode (see below)

On/Stand-By	Chrono	Antifreeze	Night	Comfort	Fil - Pilote

COMFORT MODE
The "Comfort" mode allows you to maintain the set room temperature. To set this mode:
- Press the **[Prog]** key until the "Comfort" mode icon appears on the display.
- Set the desired temperature with the **[+]** and **[-]** buttons.

NIGHT MODE
In "Night" mode, a temperature lower than the "Comfort" temperature is set. We recommend using this mode at night or when the room is not used for 2 hours or more.
- Press the **[Prog]** key until the "Night" icon appears on the display.
- Set the desired temperature with the **[+]** and **[-]** buttons.

ANTIFREEZE MODE
In the "Antifreeze" mode the temperature is set at 7 ° C. The appliance activates the heating element when the room temperature drops below 7 ° C. We recommend using this mode when the room is not used for several days.
- Press the **[Prog]** key until the "Antifreeze" icon appears on the display.
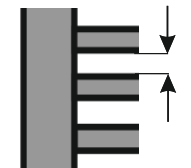
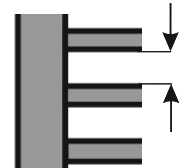## Accessories with remote controller

Wall - Fixing support

Towel heater Fixing support

If you want to obtain a stronger wall fixing of the relative support, in addiction of the adhesive bands pn corners, use the Silicone Glue (attached in the remote controller packaging) on marked area before placing the support on the wall and in wait a 24 hours for a complete glue dry.

Towelrad elements

If the towel heater interaxial diameter is smaller than 16 mm use the only the support without adapter
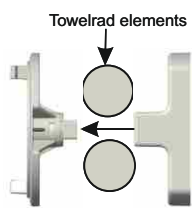
If the towel heater interaxial diameter is between 16 and 22 mm use the medium adapter
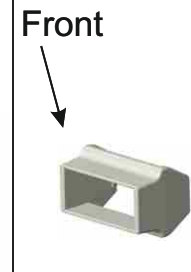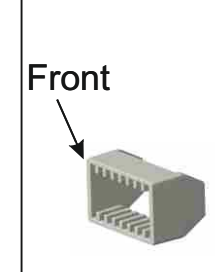
Front

If the towel heater interaxial diameter is bigger than 22 mm use the big adapter

Front

BOOST 2H MODE
The "2h Timer" mode can be used to quickly heat the room or speed up the drying of the wipes.
- Press the **[Prog]** key until the ""2h" icon appears on the display.
The appliance is switched on at maximum power for 2 hours, up to a temperature of 30 ° C. The "2h Timer" mode is set to automatically stop after a period of 2 hours and return to the previously set operating mode.
If necessary, the user can return to other modes at any time by simply pressing the **[Prog]** key.

CRONO MODE
Chrono mode programmation
a) Set the current day and time
- Activate the "Stand-by" mode and press the **[Crono]** key for more than 3 seconds.
- The display will show the words: "Time "
- Press the **[Prog]** key to enter the mode.
- Set the current year with the **[+]** and **[-]** keys.
- Press the **[Prog]** button again to confirm.
Set the current month with the **[+]** and **[-]** keys.
- Press the **[Prog]** button again to confirm.
Set the current day with the **[+]** and **[-]** keys.
- Press the **[Prog]** button again to confirm.
The display now shows the current time to be confirmed
'Hours': use the **[+]** and **[-]** keys to set the time and confirm with the **[Prog]** key.
'Minutes': repeat the same procedure and confirm with the **[Prog]** key.
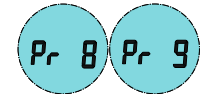- At the end the thermostat returns to "Stand-by" mode.

b) Set the program for the Crono mode:
- Enter "Stand-by" mode and press the **[Crono]** key for more than 3 seconds.
- At the top of the display you will see the words: "Time»
- To set the time sequence of the "Chrono" mode, press the **[+]** key until that the words Pr8 or Pr9 (Programming) appear on the display.
[See the photo]

Pr 8 Pr 9

- Press the **[Prog]** key to enter the mode.
Now a time sequence can be set for each day of the week.
Starting with day 1, select the desired sequence with the keys **[+]** and **[-]**
to select, for each hour, between the "Comfort" temperature (full bar) button **[+]**
and the "Night" temperature (empty bar) **[-]** key.
Press **[Prog]** to confirm the first day setting,
repeat the same procedure for the remaining 6 days of the week.

c) To use a predefined mode or to use one of the two programmable modes (Pr8 and Pr9) press the **[Stand-By / ON]** key and exit stand-by mode, press the **[Prog]** key until ☉ symbol appears in the display. At the top of the display the program in use is displayed (from P1 to P9), programs are selected by pressing the **[Crono]** key, in the external part of the display you can see, for each program, the time operation bars of the indicated program.

P2
16:36

Open window Function
The device allows to detect the presence of an open window to limit the energy consumption, to activate this mode, activate the Stand-by mode, press the **[Crono]** key for more than 3 seconds, scroll the modes with the key **[+]** and select FUNC with the **[Prog]** key, the window icon will flash in the upper left of the display, using the **[+]** key select ON / OFF, visible in the center of the display, and confirm with **[Prog]** .
the ◪ icon will be active during the thermostat operation, if the open window is detected, the icon will be flashing and the system will turn off the heating for a maximum of 30 minutes or until a temperature increase of at least 1, 5 ° C.

ASC Function

This functiom allows you to optimize the operating times of the device, in order to limit consumption, by activating this mode the device will record the time necessary to bring a specific room to the set temperature, adjusting its operation automatically, in this way thermostat can be activated after time setted if is possible to reach the desired temperature in less time than that foreseen by the operating time intervals that have been set. activate Stand-by mode, press the **[Crono]** key for more than 5 seconds, scroll through the modes with the **[+]** key and select FUNC with the **[Prog]** key, press it until the ASC icon appears on the upper part of the screen, select ON with the **[+]** key and press **[Prog]** again to confirm. After a few seconds, the remote control automatically returns to Stand-By mode.

Keys lock

This feature allows the user to lock the keypad to prevent accidental changes. All buttons on the remote control are locked. To activate the key lock function, press **[Prog]** for 5 seconds.To deactivate the function, repeat the procedure.

ECO Mode

This mode allows you to limit electric consumption by lowering the set comfort temperature by 3 degrees, by activating this mode the device operates maintaining a temperature corresponding to (Setted Temperature - 3 ° C). activate the Standby mode, press the **[Crono]** key for more than 5 seconds, scroll the modes with the **[+]** key and select **FUNC** with the **[Prog]** key and press it until the ECO icon appears, select ON with the **[+]** key and press **[Prog]** again to confirm. After a few seconds, the remote control automatically returns to Stand-By mode.

Note:

To send a command, the remote control may take up to 10 seconds; refer to the relative icon 🛜, that remains on until transmission has been completed

ON-Stand-By LED on fixed unity:

LED green	Stand-by mode
LED red ON	Active heating element
LED amber	Active thermostat but not the heating element

Pairing LED on fixed unity

flashing blue LED	The LED flashes during data transmission and when you press the pairing button to make it visible

Chrono Mode presetted programs

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)

IMPORTANT!

The remote control cannot connect to the fixed unit if the unit is already connected to a smartphone via the "Comfort One" app.
When the smartphone disconnects, the remote control will re-establish the connection with the fixed unit by itself after a few minutes or when a button is pressed.

First Start and Remote Control Pairing.

At the first association between the thermostat and the remote control, the display of the controller shows the word " Conn " until at least one fixed unit is connected.

-Device Connection

While the word " Conn " is displayed, move closer to the fixed unit and press the **Pairing button** on the Chronotermostat , then press the **PROG** button on the remote control. The search screen appears until the thermostat is found or 10 seconds will pass. If the thermostat is not detected repeat the procedure, bringing the 2 devices closer together and make sure that all the steps are carried out correctly.

- New Devices Connection

STANDBY ----> **CRONO** x 5 sec----> select with **+** & **-**   **PAIR** on RC screen -----> **PROG**

Following the above steps you access the " Conn " screen (see previous paragraph).
In this case, if you already have a fixed unit in memory, by pressing **[ON / OFF]** you can exit the " Conn 'screen, if you already have 8 fixed units in memory you will be asked what you want to delete and replace with the new one (in order for the complete elimination of thermostat selected, the new connection must be successful).

-Change the selected fixed unity

The remote controller uses an only fixed unity at a time. to select another fixed unity:
-From STANDBY: -----> [Chrono] x 5 sec -----> Select **SLCT** with **[+]** & **[-]** ----> **[Prog]** to confirm.

- From different Standby status: **[Chrono]** x 5 sec ------> select device (number) with **[+]** & **[-]** ------> **[Prog]** to confirm.

-RESET Remote Controller

Delete all memorized fixed unity and factory-sets the remote control
STANDBY ----> **CRONO** x 5 sec----> select with **+** & **-** **RSET** on screen ------> **PROG**
The **RSET** message flashes, press the **[Prog]** key again to confirm the Reset, or press the **[ON / Off]** key or wait to cancel. The thermostat returns to wait for the first connection.

BATTERY ICON

When the batteries are almost empty, the battery icon lights up. The remote control can still be used, but it is better to use spare batteries.

When the battery power is no longer sufficient, the remote control shows the word "batt" and stops working until the batteries are switched off or replaced.

Remote control (not included in the package, sold individually):

The programmable thermostat can also be programmed using the dedicated remote control, including relative supports to fix it to the wall or to the towel warmer.

Rubber colored cover (4 disponible colors)

[Crono] key
[+] key
[Prog] key
Backlight display
[-] key
[Stand-by/ON] key

''Open Window Relevation'' icon
Keys lock ICON
Operating modes:
6-Fil-Pilote;
5-Comfort;
4-Night;
3-Antifreeze;
2-Chrono;
1-Stand-By
Chrono mode status bar
Current week day

Current Chrono program and ''connected device'' indicators
ASC function & ECO mode indicators
Radio signal reception icon
Clock/Setted temperature
Battery level indicator

Fixed Unity

ON/OFF KEY
ON/OFF LED
PAIRING LED
PAIRING KEY

The manufacturer reserves the right to make changes at any time as it deems necessary to improve the product without prior notice.
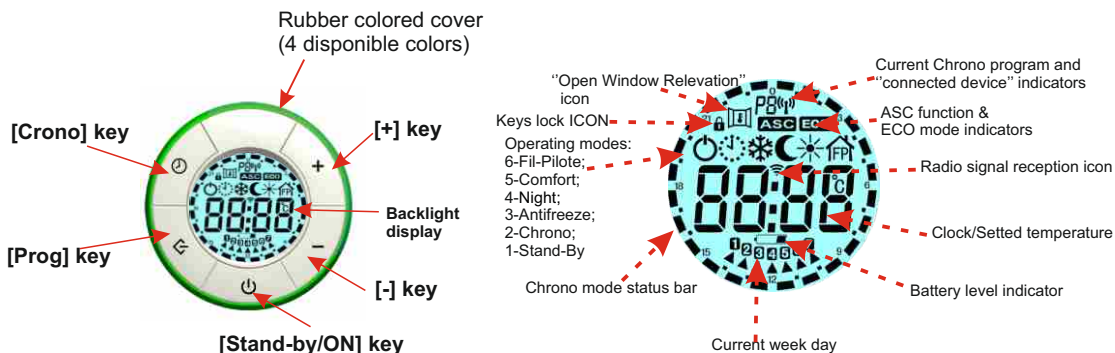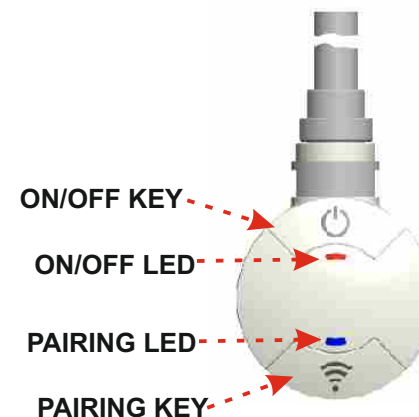
Instructions for using the thermostat with the Application:

App iOS:

Compatibility: to use this application the minimum requirements are: Iphone 5 or newer running on iOS 10.3.3 or newer.
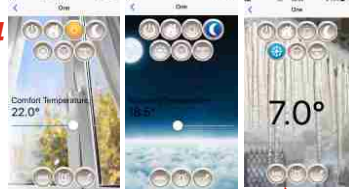
1 Before starting the application, activate the bluetooth features on your device, at this point start the application; the window shown in the picture will open in the image on the left, press the " Pairing " button of the thermostat and after a few seconds press on the blue icon of the 'ADD ONE NOW' application or on the '+' high to the right and wait for the smartphone to detect the thermostat; when it is detected, touch the word «One» to associate and rename it as you like.

2 Once the association has been established, the thermostat will appear on the list of devices, in order to interact with the same click on the name of the device. You can change the name of a thermostat or remove its association by entering a menu dedicated to these actions, simply by scrolling the name in the thermostat to the left.

3 Once connected, the interface shown will be the following, the colored button corresponds to the active mode (in this case stand - by mode).
Using the app you can set all the temperature values and the time bands for P8 and P9 of the desired Chrono mode.

4 Each operating state has its own interface and it is possible, in those that provide it (Comfort, Night, Pilot Fil) to make adjustments to the desired temperature.
In the 3 figures shown here are 3 examples of 3 active modes (Comfort, Night, Antifreeze)

5 To use the Chrono mode, press the corresponding button (Colored in purple in the photo) and the screen shown here will open. To access the list of weekly programs available, press the key indicated by the arrow.

6 Dall' elenco delle programmazioni settimanali è possibile selezionare uno dei programmi preimpostati (da P1 a P7) e impostare 2 programmazioni a piacere (P8 e P9)

7 Pressing the key indicated by the arrow will open the following screen, for the programming from P1 to P7 it will not be possible to change the operating time bands as preset, for P8 and P9 programming you can freely decide the operation of every single hour of the day , For the whole week. The orange bar corresponds to the Comfort temperature, the green bar to the Night temperature

App Android:

Compatibility: the app works on the following devices running Android 6.0 or newer: Nexus 5, Nexus 6P, Galaxy S4, Galaxy S5, Galaxy S6, Galaxy S7edge, Galaxy A8, One Plus 6. The app should run with other Android phones running Android 6.0 or newer and BLE 4.1 or newer, but this is not guaranteed. The app is not compatible with Huawei phones.

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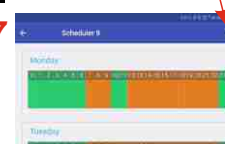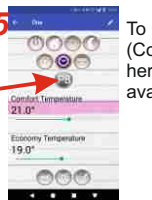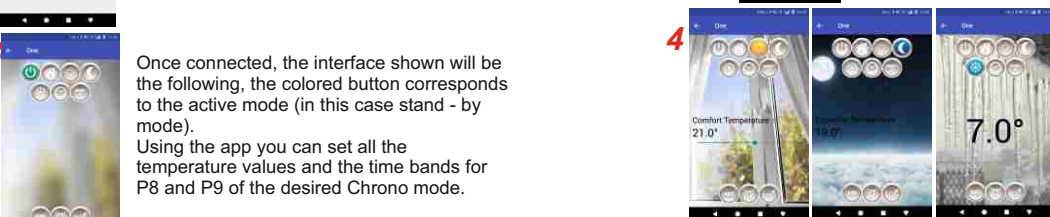
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