

tecnoswitch 

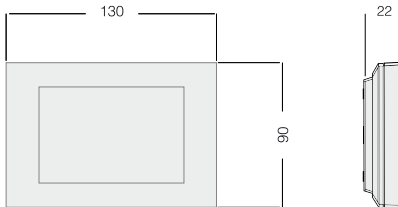
Crono feel



CR035WB



WI-FI WALL MOUNTED WEEKLY TOUCH PROGRAMMABLE THERMOSTAT 230V



*Unit of measure: mm

tecno switch 

Congratulations for purchasing the Wi-Fi touch programmable thermostat CR035WB.

To get the maximum performance, please to read carefully all the instructions.

The programmable thermostat guarantees the best comfort temperature, thanks to easy programming and intuitive graphic interface.

It's supplied with an in-cell touch display with back-lighting that it is the most advanced of the wall-mounted category.

The touch display makes it intuitive, easy to program and unique.

The strengths are:

- Ease of use;
- The high quality of Made in Italy
- Design with attention to the smallest details;
- WiFi connectivity
- Super-capacitor technology to keep data in memory.

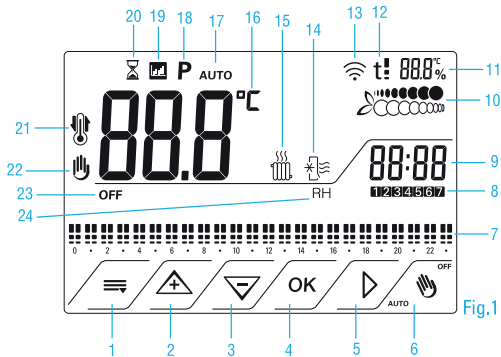







Fig.1

















COMMANDS AND INDICATIONS

KEYS LEGEND Fig.1

1.  Menu
2.  Increase
3.  Decrease
4. **OK** Confirm
5.  Scrolls the next icon
6.  ON/OFF - Manual/Automatic

DISPLAY LEGEND Fig.1

7.  Temperature levels T1, T2 and T3
8.  Days of week
9.  Current time (Clock)
10.  Energy consumption savings indicator
11.  88.8°C Set temperature/humidity
12.  Set temperature thresholds
13.  WI FI
14.  Cooling mode
15.  Heating mode
16.  88.8°C Ambient Temperature
17. **AUTO** Automatic mode
18. **P** Temperature levels setting
19.  Statistics

- 20.  COUNT-DOWN
- 21.  Frost protection
- 22.  Manual Mode
- 23. **OFF** Off
- 24. **RH** Relative humidity

Note: when the programmable thermostat is in Stand by, press  to start the backlight. Now it can be set.

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1.0 INSTALLATION

The device must be installed on a wall at a height of 1,5m off the floor in a suitable position for correctly detecting the ambient temperature. It must not be installed in niches, behind doors and curtains or in areas affected by sources of heat or atmospheric factors. It must be installed on a wall or on 2 and 3 module back boxes, in dry places.

To install the programmable thermostat it is necessary:

- Unhook the base from device. [Fig 1A](#) .and [Fig 2A](#) .
- Fix the base to the wall. [Fig.3A](#)
- Connect the load to the terminals following the wiring diagram. [Fig.1B](#) or [Fig.2B](#)
- Connect the external temperature probe.
- Hook the base to the wall. [Fig.4A](#)

WIRING DIAGRAM

Fig. 1B

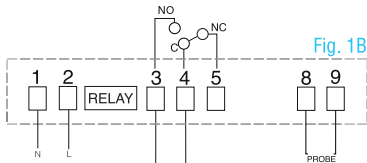
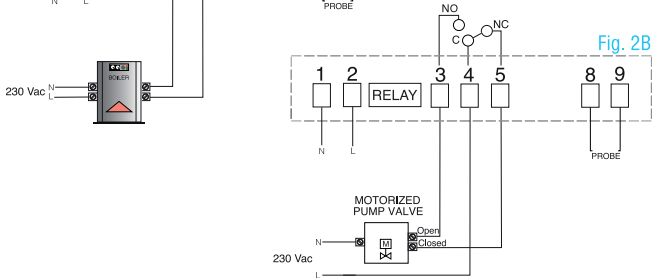


Fig. 2B



ASSEMBLY

Fig.1A



Fig.2A

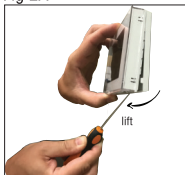


Fig.3A

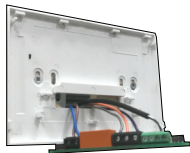


Fig.4A



2.0 FACTORY SETTING

For faster use, the programmable thermostat is supplied with the following setting:

- **Heating program:** from Monday to Friday [Fig.5](#); Saturday and Sunday [Fig.6](#).

Temperature levels:

t. (T1) = 14°C

t. (T2) = 18°C

t! (T3) = 22°C

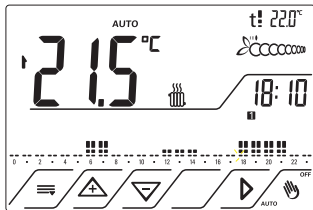


Fig.5

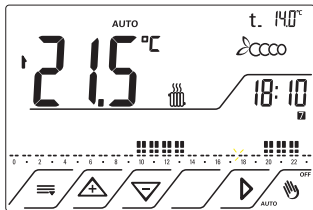


Fig.6

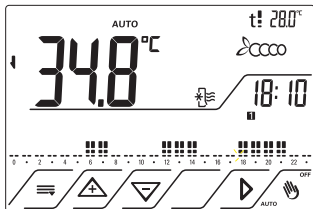
- **Cooling Program:** from Monday to Friday [Fig.7](#); Saturday and Sunday [Fig.8](#)

Temperature levels:

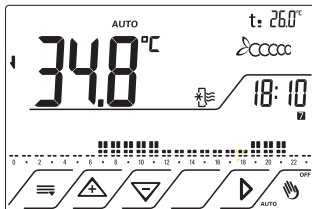
t. (T1) = 24°C

t: (T2) = 26°C

t! (T3) = 28°C



[Fig.7](#)



[Fig.8](#)

- **Frost protection function:** +5° C settable, active only in heating mode.
- **Set temperature for MANUAL mode:** + 22° C.

3.0 SET DAY AND TIME

3.1 Starting from Stand-by, Fig.2, press . Fig.9

The setting time is done automatically if the programmable thermostat is connected to a wifi network.

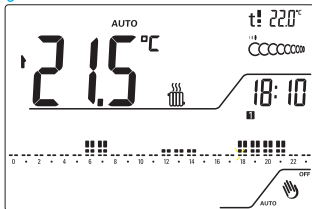


Fig.2

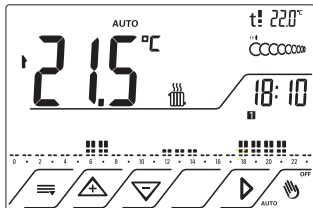


Fig.9

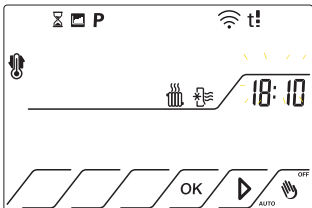
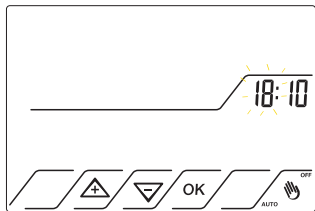




Fig.10

3.2 Pressing , the clock flashes. Fig.10



3.3 Press OK to confirm. The hours value flashes. [Fig.11](#)




[Fig.11](#)

3.4 Press  or  to set the current time.

3.5 Press OK to confirm. The minutes value flashes.

3.6 Press  or  to set the minutes value.

3.7 Press OK to confirm. The day value  (Monday) flashes. [Fig.12](#)

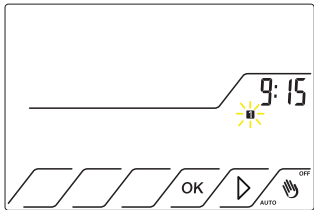



Fig.12

3.8 Press  up to position on the day  that it will flash.

3.9 Press OK to confirm the day.

4.0 HEATING / COOLING SETTING

The programmable thermostat can regulate system of:

4.1 HEATING

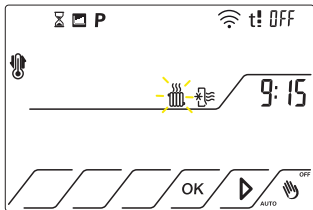
4.2 COOLING

4.1 HEATING SETTING

4.1.1 Start the display by pressing  OFF

4.1.2 Press 

4.1.3 Press  up to position on  that it will flash and OFF appears. [Fig.13](#)



[Fig.13](#)

4.1.4 Press OK to confirm. The display shows ON and . If it's not confirmed after 15 seconds it returns to Stand-by.

4.2 COOLING SETTING

4.2.1 Start display by pressing  ^{OFF}. Fig.9

4.2.2 Press .

4.2.3 Press  up to position on  that it will flash and OFF appears. Fig.14

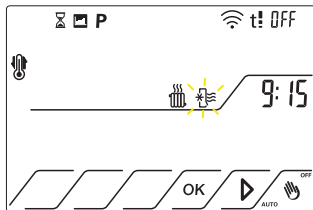


Fig.14

4.2.4 Press OK to confirm. The display shows ON and  Fig.15 . If it's not confirmed after 15 seconds it returns to Stand-by.

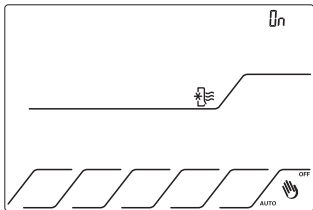


Fig.15

SYSTEM ACTIVATION SIGNALING

When the icon  or  is animated, the system is active.

5.0 OPERATING MODES

The programmable thermostat CR035WB can operate in mode:

5.1 MANUAL

5.2 AUTOMATIC


5.3 COUNT-DOWN

5.4 OFF

5.1 MANUAL MODE

This function allows you to always have the same temperature.

5.1.1 To set it, start the display by pressing  OFF

5.1.2 Press again 

The display shows  AUTO [Fig.16](#)

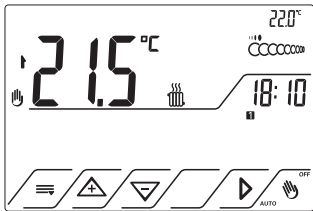


Fig.16

5.1.3 Press  or  to set the desired temperature within a range from +2 and +35°C with steps from 0,1°C.

N.B. : To go back to the Automatic program, press again  ^{OFF}.

5.2 AUTOMATIC MODE

The Programmable Thermostat regulates the on - off the system (heating or cooling) based on the set temperature thresholds, for the sundry days of the week.

5.2.1 From manual ^{OFF} mode, start the display by pressing .

5.2.2 Press again  ^{AUTO}. The display shows AUTO. [Fig.17](#)

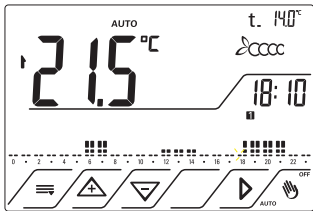



Fig.17

During automatic mode, temperature levels can be displayed by pressing  or .

This action will not change the set program.

When the system is active, the icon  is animated.

To set the program you can see the chapter 6.

5.3 COUNT-DOWN MODE

If you need to leave home for a few hours or days and so to turn-off the system for a specified time, you can activate the count down mode timed switch-off.

Instead if you wanted to keep a certain temperature for a few hours or days, you can activate the timed switch-on.

The difference between timed switch-off and timed switch-on is determined by the set temperature.

(E.g): +5°C to TIMED SWITCH-OFF and +25°C to TIMED SWITCH-ON).

When this function is active, no setting can be made.

The OPERATION COUNT-DOWN MODE has two settings:

- TIMED SWITCH-OFF
- TIMED SWITCH-ON

TIMED SWITCH-OFF

This function is used to switch off the system for a lapse of time.

5.3.1 Press .

5.3.2 Press .

5.3.3 Press  up to position on  that it will to flash and OFF appears. [Fig.18](#)

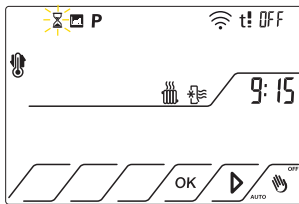


Fig.18

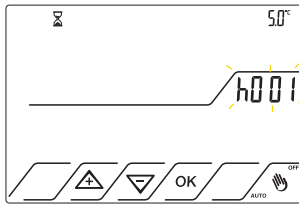




Fig.19

5.3.4 Press OK to confirm. The hour counter h0 01 flashes. [Fig.19](#)

5.3.5 Press  or  to set number of hours (e.g. if you want to switch off the thermostat for a week, you have to set $7 \times 24 = 168$ hours).

5.3.6 Press OK to confirm. Now the set temperature $+5^{\circ}\text{C}$ flashes. If the ambient temperature exceeds this value, the programmable thermostat will be off.

5.3.7 Press OK to confirm the set temperature.

5.3.8 Press for 4 seconds  to start the COUNT-DOWN.

5.3.9 Press for 4 seconds  to deactivate COUNT-DOWN.

TIMED SWITCH-ON

5.3.10 Repeat steps from 5.3.1 to 5.3.6. The set temperature flashes.

5.3.11 Press  or  to set a higher temperature than ambient temperature (ex., 25°C) and press OK to confirm.

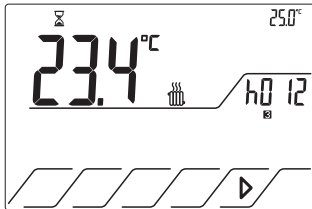
So the programmable thermostat will switch on the load as it will detect a lower temperature.

During the COUNT-DOWN, when less than 10 hours remain, the display shows both the remaining hours and the minutes (e.g. 12 hours: display shows h012 [Fig.20A](#).

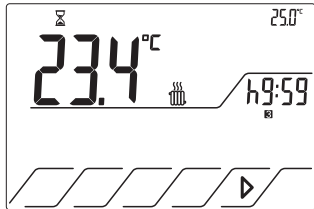
9 hours and 59 minutes: display show h9:59) [Fig.20B](#) .

5.3.12 To activate/deactivate the COUNT-DOWN, follow the steps 5.3.8 and 5.3.9

At this point the count-down program start. (E.g 12 hours timed switch-on).[Fig.20](#)





[Fig.20A](#)



[Fig.20B](#)

5.4 FUNCTION OFF

5.4.1 Press for 4 seconds  to switch-off programmable thermostat. Now the FUNCTION OFF is activated. It can be activated with and without Frost Protection. It is important to avoid damage caused by low temperatures. [Fig.21](#) shows that the system is OFF with Frost Protection function active.

[Fig.22](#) shows that the system is OFF with Frost Protection function disabled, shown the symbol  . To set it follow the chapter 10.4.

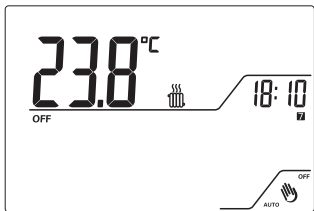


Fig.21

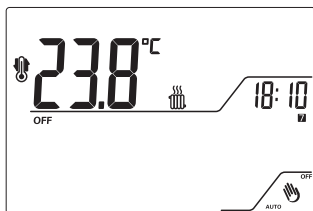


Fig.22

5.4.2 Press for 4 seconds  to switch-on the programmable thermostat. The display shows On for 3 seconds.  Fig.23



Fig.23

6.0 DAILY PROGRAMMING OF TEMPERATURES

The programmable thermostat is supplied with the following temperature level settings:

E.g. Monday/Friday

from 00.00 to 05.59: T1

from 06.00 to 07.59: T3

from 08.00 to 11.59: T1

from 12.00 to 14.59: T2

from 15.00 to 17.59: T1

from 18.00 to 21.59: T3

from 22.00 to 23.59: T1 [Fig.24](#)


You can customize the temperature levels of the Automatic operation, at 30 minute intervals.

Proceed as follows:

6.1 Press  ^{OFF}

6.2 Press  ^{AUTO}

6.3 Press  up to position on **P** that it will flash.

6.4 Press OK to confirm. The day value  flashes as [Fig.24](#).

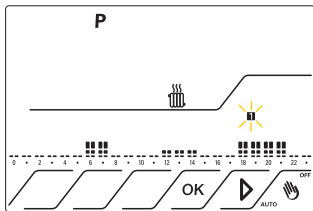


Fig.24

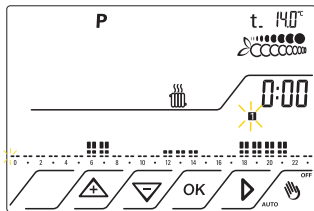



Fig.25

6.5 Press OK to set the Monday  program [Fig.25](#).

the display shows:

- The icon  flashes. [Fig.25](#)
- The clock shows the time 0:00 relative to the flashing segment [Fig.25](#).
- The set temperature level (T1 14°C) is displayed in reference to the half hour indicated by the flashing segment.

6.6 Press  or  to set the desired temperature range at the time.

6.7 Press  to move on the next half hour and choose the desired temperature range.

Continue in the same way until you reach 11:30 pm. Now, Monday is set. [Fig.26](#)

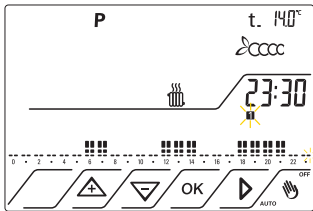


Fig.26

6.8 Press OK to confirm.

NOTE: If you are at 18:00 and touch OK, you confirm and the Monday setting ends.

The days 1 and 2 flash alternately.

Now you can:

a) Copy the programming . Fig.27

b) Set the programming Fig 27

a) 6.9 Copy the program from Monday **1** to Tuesday **2** by pressing OK.

b) 6.10 Set the Tuesday program **2** pressing **▶** and then press OK to confirm.

6.10.1 Repeat the steps 6.6 - 6.7 to copy/set the other days.

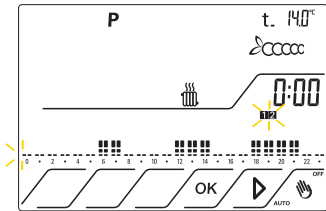


Fig.27

6.11 Continue up to **7** (Sunday)

N.B.: Factory setting for Saturday **6 and Sunday **7** are different from the other days.**

7.0 TEMPERATURE LEVELS SETTING T1 T2 T3 FOR HEATING OPERATION

The programmable thermostat is supplied with these set temperature values:

t. (T1) = 14°C

t: (T2) = 18°C

t! (T3) = 22°C

Make sure that the symbol  for Heating is active, otherwise see chapter 4.1

7.1 Press  .

7.2 Press  .

7.3 Press  up to position on t that it will flash.

7.4 Press OK to confirm. The display shows the first level value T1 14° C. [Fig.28](#)

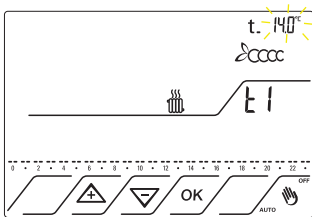


Fig.28

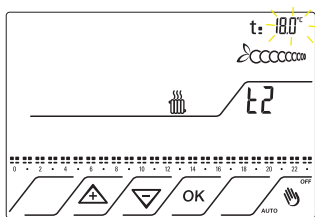


Fig.29

7.5 Press \triangle or ∇ to set the desired value.

7.6 Press OK to confirm the temperature.

7.7 The display shows the second level value: T2. The relative set temperature 18°C flashes. Fig.29

7.8 Press \triangle or ∇ to set the desired value.

7.9 Press OK to confirm the temperature.

7.10 The display shows the third level value T3. The relative set temperature 22°C flashes. Fig.30

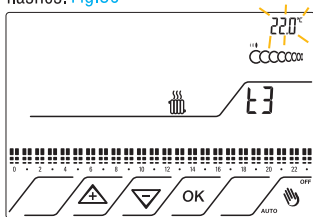


Fig.30

7.11 Press \triangle or ∇ to set the desired value.

7.12 Press OK to confirm the temperature.

Note. The temperature t_3 (T3) cannot be $\leq t_2$ (T2) or $> + 35^\circ\text{C}$. The temperature t_2 (T2) cannot be $\leq t_1$ (T1). While t_1 (T1) can not be $< + 2^\circ\text{C}$.

8.0 TEMPERATURE LEVELS SETTING T1 T2 T3 FOR COOLING OPERATION

The programmable thermostat is supplied with the following set temperature values:

t. (T1) = 24°C

t: (T2) = 26°C

t! (T3) = 28°C

Make sure that the symbol  for cooling is active, otherwise see chapter 4.2.

8.1 To Set the desired temperature value in the 3 levels, repeat the chapter 7.

9.0 LOCK SETTING

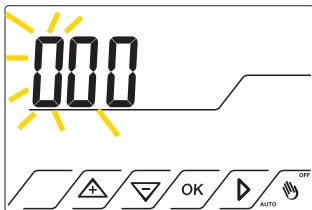
The programmable thermostat is provided with a 3 digit Lock Code.

To activate the function:


9.1 Press  ^{OFF}
AUTO



9.2 Press and hold simultaneously for 4 seconds  and  and PAS appears.

9.3 After 3 seconds, the first digit on the left will flash, so press  or  to set it. [Fig.31](#)



[Fig.31](#)

9.4 Press  to move to the other two digits.


9.5 Press  or  to set the other two digits.

9.6 Press OK to confirm the Password.

9.7 Pressing any key **PAS** appears. To deactivate it, repeat the steps 9.1 - 9.6

Note: If you have forgotten your password, you can delete it by resetting the programmable thermostat. See chapter 13.

10.0 TEMPERATURE SETTING

Moving on icon  , you can set these function:

- 10.1 ON/OFF TEMPERATURE DIFFERENTIAL;
- 10.2 TEMPERATURE IN A PROPORTIONAL WAY;
- 10.3 CORRECTION OF MEASURED TEMPERATURE;
- 10.4 FROST PROTECTION;
- 10.5 ANTI-SEIZE PUMP.

The programmable thermostat is supplied with ON-OFF Temperature Regulation with a Thermal Differential set at 0.3°C .

10.1 ON/OFF TEMPERATURE DIFFERENTIAL

It works ON/OFF. Once a temperature value has been set, the temperature differential is the difference between this value and the system switch-on or switch-off temperature. For example, having set a temperature of 20°C and differential of 0.3°C , the system switches on when the temperature reaches 19.7°C and turns off when it reaches 20.3°C .

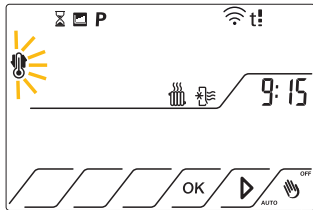
By choosing the different based on the type of system, continuous switching on and off is avoided. Therefore we recommend a low thermal differential for system with high thermal inertia (system with cast iron radiators or underfloor heating) and the high one for low inertia systems (eg ventilators, fan coils, etc. ..).

To set temperature differential:

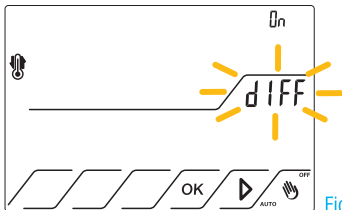
10.1.1 Press  .

10.1.2 Press  .

10.1.3 Press  up to position on  that it will flash. [Fig.32](#)



[Fig.32](#)



[Fig.33](#)

10.1.4 Press OK to confirm. **dIFF** appears and flashes. ON state appear and indicates that the on-off regulation is active. [Fig.33](#)

10.1.5 Press OK

10.1.6 Press \triangle or ∇ to set the desired differential value between 0.1 and 1° C.

10.1.7 Press OK to confirm. [Fig.32](#)

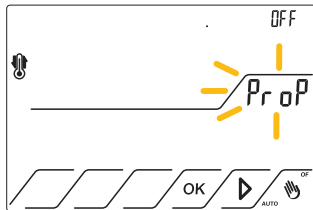
10.2 TEMPERATURE IN A PROPORTIONAL WAY

It makes the temperature inside the building more stable.

To set it, you have to:

10.2.1 Repeat the steps 10.1.1 - 10.1.4. [Fig.33](#)

10.2.2 Press \blacktriangleright and **ProP** appears and flashes. The status is OFF. [Fig.34](#)



[Fig.34](#)

10.2.3 Press OK to confirm. **bnd** appears and flashes (Breath of adjustment range). This value can be adjusted from 0.5° C to 7° C with a resolution of 0.1° C. The factory setting is 1° C.

10.2.4 Press  or  to set the desired Breadth value. [Fig.35](#)

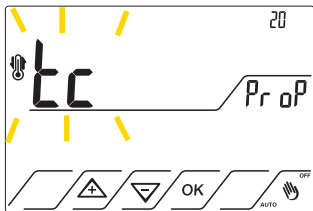


10.2.5 Press OK to confirm.

Example. Set the temperature 19.5° C with Breath of adjustment range 1° C.

If the ambient temperature is lower than 18.5° C the heating 100% on; as the ambient temperature approaches the set temperature, the system power decreases.

Note: For location with good thermal insulation it is advisable to set small band values.



The tc appears and flashes (System Cycle Time).

It can choose between 5 values:

5, 10, 20, 30, 40 minutes. The factory setting is

20 minutes. [Fig.36](#)

[Fig.36](#)

10.2.6 Press  or  to set the desired tc value.

10.2.7 Press OK to confirm.

TC stand the time in wich a cycle of regulation is completed. The solicitation of the plant is greater as less tc is. Note. High Inertial plants like boiler requires long cycle time like 20, 30, 40, minutes.

10.3 CORRECTION OF MEASURED TEMPERATURE

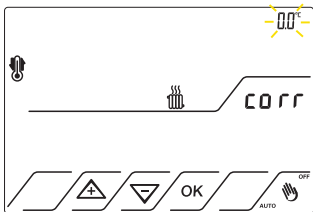
If the programmable thermostat is installed close to sources of heat (like heaters, radiators, air conditioners) the measured (current) temperature may not be correct the measured (current) temperature by screen from 0° C (factory setting) to +/- 3°C.

To set it:

10.3.1 Repeat the steps 10.1.1 - 10.1.4. [Fig.33](#)

10.3.2 Press **▶** up to position on **corr** that it will flash.

10.3.3 Press OK to confirm. The value 0.0°C will flash. [Fig.37](#)



[Fig.37](#)

10.3.4 Press  or  to set the desired correction value between -3 and + 3° C.

10.3.5 Press OK to confirm.

10.4 FROST PROTECTION FUNCTION



It's important to avoid damage caused by too low temperatures. This function works only in the Heating mode. The default temperature is + 5° C. If the temperature drops below this value the system starts working.

Set the desire temperature within a range from 2° C to 7° C.

10.4.1 Repeat the steps 10.1.1 – 10.1.4. [Fig.33](#)

10.4.2 Press  up to position on **Ant** that it will flash.

10.4.3 Press OK to confirm. The set temperature flashes.

10.4.4 Press  or  to set the desired frost protection. [Fig.38](#)

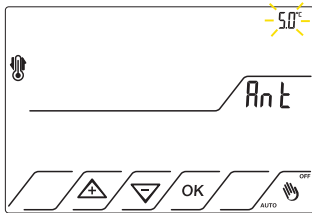



Fig.38

10.4.5 Press OK to confirm

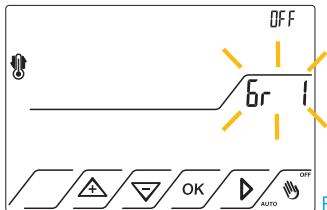
Note. below 2° C the frost protection is OFF. When the programmable thermostat is OFF, the icon  is on the display, so the frost protection don't work.

10.5 ANTI-SEIZE PUMP FUNCTION

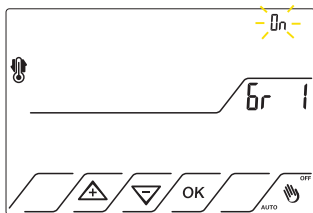
This function starts the boiler fo 1 minute a day every day.

10.5.1 Repeat the steps 10.1.1 - 10.1.4. [Fig.33](#)

10.5.2 Press **▶** up to position on **Grl** that it will flash. The status is OFF. [Fig.39](#)



[Fig.39](#)



[Fig.40](#)

10.5.3 Press OK. OFF flashes.

10.5.4 Press **▲** or **▼** to set the anti-seize function. On appears. [Fig.40](#)

10.5.5 Press OK to confirm.

11.0 EXTERNAL PROBE SETTING

The programmable thermostat has an input for 10k External probe (not supplied) that works in the range between - 10° C and 60 ° C.

The probe is used in these modes:

11.1 EXTERNAL PROBE ON/OFF

11.2 ENVIRONMENT PROBE

11.3 EXTERNAL PROBE


11.4 UNDERFLOOR PROBE

11.1 EXTERNAL PROBE ON/OFF

To set the External Temperature Probe, proceed as follows:

11.1.1 Press 

11.1.2 Press  and hold for 3 seconds \Rightarrow . **SO** appears and flashes. **OFF** indicates that the probe is disabled. [Fig.41](#)

11.1.3 Press OK to confirm or press  to move on other function 11.2, 11.3 or 11.4.

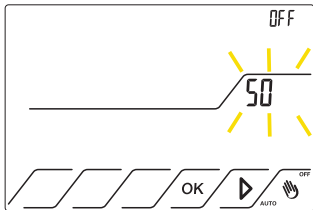


Fig.41

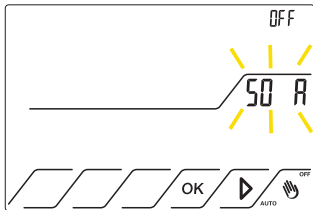


Fig.42

11.2 - ENVIRONMENT PROBE

The plants is regulated on the base of the detected temperature from the external probe only.

11.2.1 Repeat the steps 11.1.1 - 11.1.2

11.2.2 Press  up to position on **50 A** that it will flash. The status is OFF. [Fig.42](#)

11.2.3 Press OK to confirm. On appears.

From now on, the temperature measured by the external probe regulates the system. The display shows the temperature measured by the external probe.

11.3 EXTERNAL PROBE

It only measures another temperature, for example the external temperature. The system settings do not change.

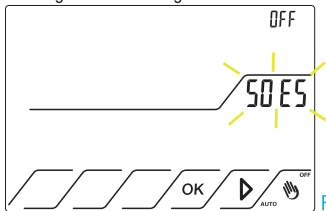





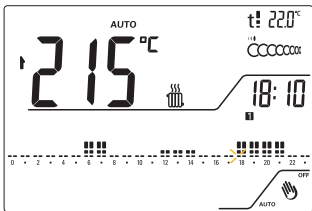
Fig.43

11.3.1 Repeat the steps 11.1.1 - 11.1.2

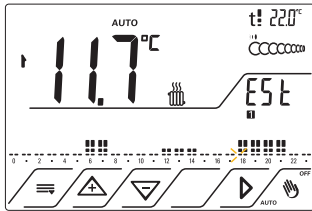
11.3.2 Press  up to position on **SO ES** that it will flash. The status is OFF. [Fig 43](#)

11.3.3 Press OK to confirm. On appears. From now on the display will show a second temperature. The display alternately shows the ambient temperature for 15 seconds, [Fig.44a](#) and the temperature measured by the probe for 5 seconds, [Fig 44b](#).

To display the temperature of the external probe, from standby press  . Pressing  , Int, ambient temperature, appears . Pressing  again, Est, temperature measured by the probe, appears. [Fig.44](#)



[Fig.44a](#)



[Fig.44b](#)

11.4 UNDERFLOOR PROBE

If the temperature value measured by the underfloor probe exceeds the set temperature, the system is switched off.

The temperature regulation is managed by the internal probe.

11.4.1 Repeat the steps 11.1.1 - 11.1.2

11.4.2 Press  up to position on **SO PA** that it will flash. The status is OFF. [Fig.45](#)

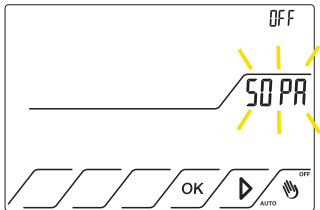


Fig.45

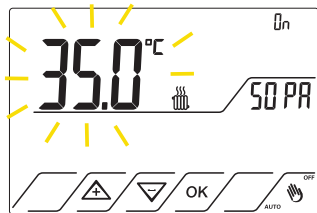


Fig.46

11.4.3 Press OK to confirm. On appears and the limit temperature flashes.

11.4.4 Press ▲ or ▼ to set the value in the range between +2 and + 60°C.
Factory setting 35° C. Fig.46

11.4.5 Press OK to confirm.

From this moment if the value detected by the floor probe exceeds the set limit temperature, the system is switched off. Over temperature protection function. Temperature control is managed by the internal thermostat probe.

Note. If one of the function is active, all the others will be deactivated automatically.

12.0 STATISTICS

The programmable thermostat shows statistical data on the operation of the system.

12.1 Press  .

12.2 Press  .

12.3 Press  up to position on  that it will flash and press OK to confirm.
The number of the first page 01 is shown at the top right. There are 5 of them.

Page 1

hcd e 1:35 : this means that on the current day the system worked for 1 hour and 35 minutes. [Fig.47](#)



Fig.47



Fig.48

12.4 Press  to move on page 2. [Fig.48](#)

PAGE 2

hLd e 02:30: this means that on the day before the system worked for 2 hours and 30 minutes.

12.5 Press  to move on page 3. [Fig.49](#)

PAGE 3

ht e 03 15: indicates how many hours the system is working (three hundred fifteen hours)

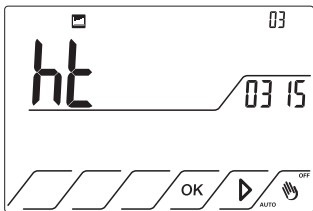


Fig.49

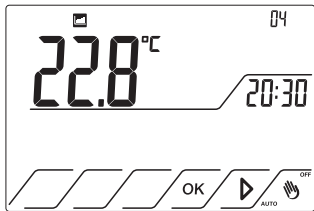


Fig.50

Note. You can reset the hour counter by pressing OK for 3 seconds.

12.6 Press  to move on page 4. [Fig.50](#)

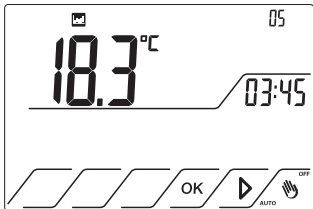
PAGE 4

22,8°C e 20:30 : indicate the maximum temperature reached and at what time on the previous day.

12.7 Press  to move on page 5. [Fig.51](#)

PAGE 5

18,3°C e 03:45: indicates the lowest temperature reached and at what time in the previous day.



[Fig.51](#)



12.8 Press  to return on the main screen or wait for 15 seconds

13.0 RESET

Operating anomalies, interventions or other technical reasons may require the reset of the device and the restore of the factory settings.

It restores the factory settings, also deleting any password.

13.1 From stand by, press  .

13.2 Press and hold simultaneously  and  for 4 seconds **rSt** appears.

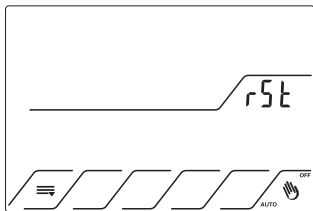


Fig.52

Any passwords will be deleted. In the event of malfunctions even after the standard reset procedure, disconnect the programmable thermostat from the base and reconnect it after 1 minute. [Fig.1A-4A](#)

14.0 TECHNICAL FEATURES

- Programmable Thermostat with on/off and proportional temperature regulation and external probe.
- Temperature Regulation from 2 to 35° C
- Frost protection temperature from 2 to 7° C
- Correction Temperature from -3 e 3°C
- Breadth of adjustment range from 0,5° C to 7° C of resolution
- System Cycle Time 5, 10, 20, 30, 40 minutes
- Thermal Differential ON / OFF from 0,1 to 1° C
- Functions: Password block, Anti-seize Pump, Statistics and Count-down,
- Maximum external probe distance 10 m
- Protection Degree IP20
- Microdisconnection 1BU
- Relay output with clean change-over contacts NO/ COM e NC 6A 250Vac
- Software Class A
- Backlighted LCD display
- Supercapacitor technology

15.0 SAFETY WARNINGS

During installation and operation of the appliance the following indications must be respected:

- Do not feed the product if it is mechanically damaged.
- Install and start up the appliance in compliance with the current regulations concerning electrical system.
- For malfunctions of the appliance, contact technical assistance.

16.0 INFORMATION TO USERS

Pursuant to Legislative Decree No. 49 of March 14, 2014 “ Implementation of Directive 2012/19/EU on waste electrical and electronic equipment (WEEE)”

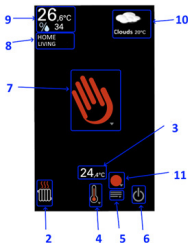
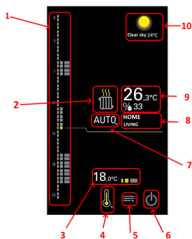
The “crossed out wheelie bin” WEEE symbol on the appliance show that the product, at the end of its useful life, must be collected separately from other waste. Therefore, the user must provide the equipment with the essential components at the recycling centre for electronic and electrotechnical devices, or return it to the dealer when you purchase an equivalent appliance in one-to-one reason, or 1 to zero for equipment with a side lower than 25cm. The correct recycling helps to avoid possible negative effects on the environment and on health, favoring the recycling of the materials that make up the equipment. The illegal disposal of the product by the user involves administrative sanctions as per Legislative Decree No. 49 of March 14, 2014.

tecnoswitch 

CONFIGURATION AND OPERATION FROM APP 

COMMANDS AND INDICATIONS

1. Time slots chart
2. System status indicator
3. Set Temperature Indicator
4. Temporary Operation
5. Menu
6. ON / OFF
7. Automatic/Manual Mode
8. Place Installation and device Name
9. Temperature Indicator and relative humidity
10. Weather indicator of the installation site
11. Temperature setting in Manual mode



INDEX APP




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Manual APP

1.0 CONFIGURATION

Download the free APP  "Crono feel" from the official stores  .

1.1 Programmable Thermostat Configuration:

1.1.1 To turn on the wi-fi module, press the icons in sequence :    up to position on  → confirm with OK.

 flashes → confirm with OK.

N.B.: For 5 minutes the Hot-Spot mode will be active so it will be possible to associate the programmable thermostat with our mobile device.

1.2 Smartphone Configuration:

1.2.1 Turn on GPS and Wi-Fi;

1.2.2 Connect the smartphone to the programmable thermostat; [Fig.1](#)

1.2.3 Start the App; [Fig.2](#)

1.2.4 Enter the required data. [Fig.3 from 3A to 3E](#)

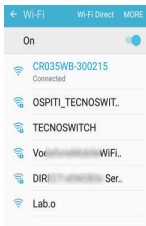


Fig.1



Fig.2



Fig.3A



Fig.3B



Fig.3C

After configuring the device, day and time will update automatically

N.B.: If the following message appears, [Fig.3F](#), repeat the procedure making sure to correctly enter the data.

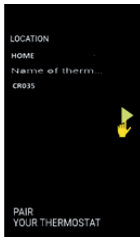


Fig.3D

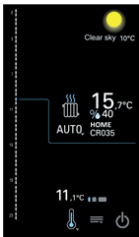



Fig.3E



Fig.3F

You can watch the configuration on our TecnoSwitch IT  **YouTube** channel.

2.0 ON / OFF

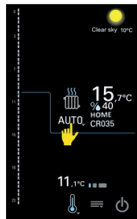
2.1 Press  to switch On /Off the programmable thermostat Fig.4A

2.2 Confirm by pressing  .Fig.4B



3.0 AUTOMATIC / MANUAL MODE

3.1 Press **AUTO** to enable MANUAL MODE Fig.5



To set the temperature:

3.2 Press  Fig.6




3.3 Place your finger inside the circle  and scroll up  or down  to increase or decrease the temperature; Fig.7 from 7A to 7C



Fig.6

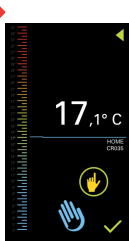


Fig.7A

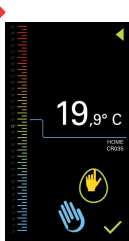


Fig.7B



Fig.7C

3.4 Confirm by pressing  .Fig.8

3.5 Press  to enable AUTOMATIC MODE. Fig.9 from 9A to 9B

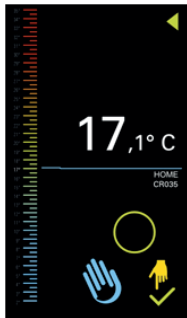


Fig.8



Fig.9A

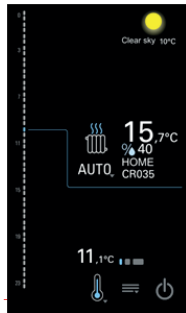


Fig.9B

You can watch the configuration on our TecnoSwitch IT  YouTube channel.

4 0 WEEKLY PROGRAMMING

4.1 Follow  to set weekly programming; Fig.10 from 10A to 10H

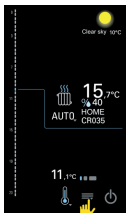


Fig.10A

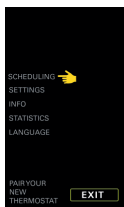


Fig.10B



Fig.10C

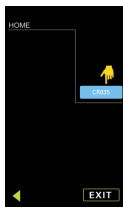


Fig.10D

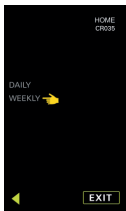


Fig.10E



Fig.10F

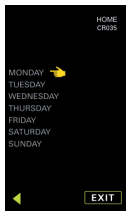


Fig.10G



Fig.10H

4.2 Place your finger inside the circle  and scroll up  or down  to set the desired time range ; Fig.11 from 11A to 10C



Fig.11A



Fig.11B

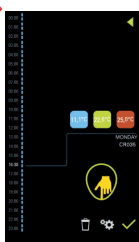




Fig.11C



4.3 Press  /  /  to set the desired temperature range at that time; Fig 12

4.4 After programming, confirm by pressing ; Fig.13 otherwise press  to go back to Fig.10E

4.5 Now you can:

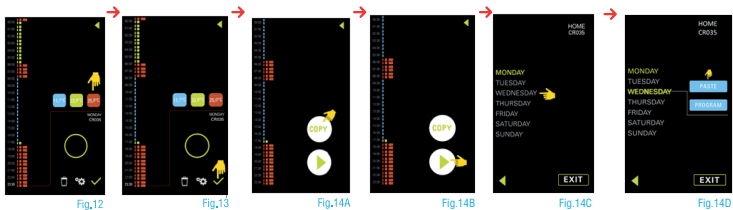
a) Copy a programming from one day of the week to another; 

b) Set a different programming for one or more days of the week. 

a) To copy the programming, for example, Monday to Wednesday, press , , select **WEDNESDAY** and press

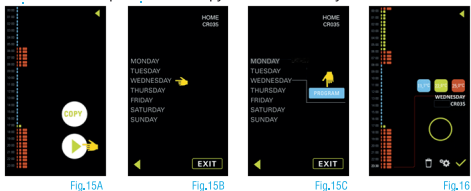
PASTE Fig.14A - Fig.14D

Press **EXIT** to go back to the main screen. Fig.10A
Follow the same procedure to copy / set the other days.



b) To set, for example, the Wednesday program, press **▶** Fig.15A, press **WEDNESDAY** and **PROGRAM**
Fig.15B, Fig.15C, Fig.16

Follow the same procedure to copy / set the other days.



You can watch the configuration on our TecnoSwitch IT  YouTube channel.

5.0 DAILY PROGRAMMING

5.1 Follow  to set daily programming; Fig.17 from 17A to 17F

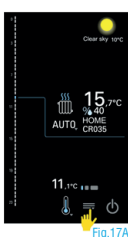


Fig.17A

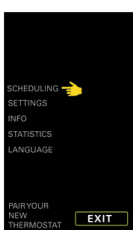


Fig.17B

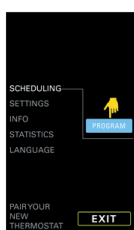


Fig.17C

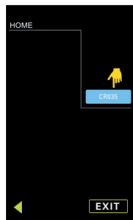


Fig.17D

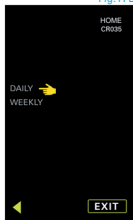





Fig.17E



Fig.17F

5.2 Place your finger inside the circle  and scroll up  or down  to set the desired time range  ; [Fig.18 from 18A to 18C](#)

5.3 Press  /  /  to set the desired temperature range at that time; it automatically go by next half hour. ([Fig.19A and 19B](#))

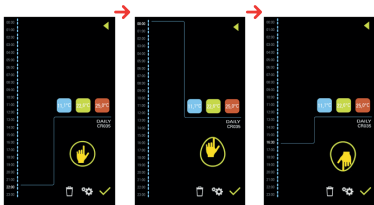


Fig.18A

Fig.18B

Fig.18C

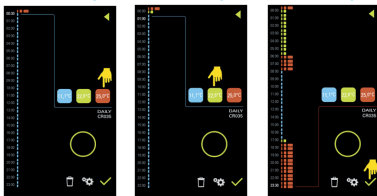



Fig.19A



Fig.19B

Fig.20

5.4 After programming, confirm by pressing  [Fig.20](#), otherwise press  to go back to [Fig.17](#)

6.0 DELETE and SETTINGS

6.1 DELETE PROGRAMMING

Enter the program (Monday, Tuesday, ecc), press  , Fig.21A, and confirm by pressing  . Fig.21B

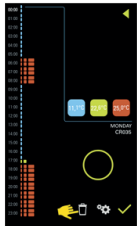


Fig.21A

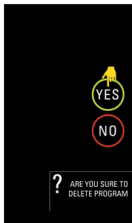



Fig.21B

6.2 TEMPERATURE LEVEL SETTING

Press  and set the value of the levels by scrolling the degrees. See chapter 9.5.

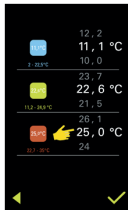


Fig.22



7.0 TEMPORARY OPERATION

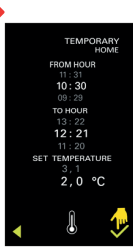
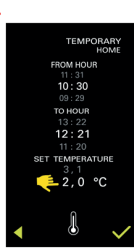
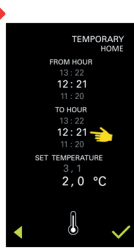
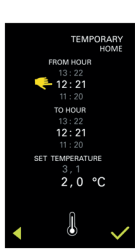
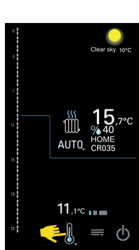
It is possible to set a temporary operation by setting its start and end.

7.1 Press  ; Fig.23


7.2 Set the temporary program by scrolling the hours and minutes Fig.24 and Fig.25

7.3 Set the desired temperature by scrolling the degrees; Fig.26

7.4 Confirm by pressing  Fig.27, otherwise press  to go back to Fig.23



8.0 LANGUAGE

8.1 Follow  to set language. Fig.28 from 28A to 28C

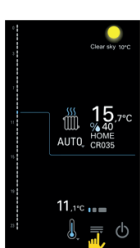


Fig.28A

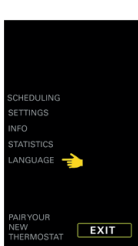


Fig.28B



Fig.28C

9.0 VARIOUS SETTINGS

9.1 EDIT FIELDS

9.2 GEO-FENCE

9.3 HOLIDAY SETUP

9.4 HEATING / COOLING

9.5 TEMPERATURE LEVELS



9.6 ADVANCED SETTING

9.7 DELETE PROGRAMMING

9.1 EDIT FIELDS

9.1.1 Follow  to edit fields; Fig.29 from 29A to 29C

9.1.2 You can edit the fields by pressing the icon , Fig.30 Press on the word to be edited  or  and enter a new one; Fig.31

9.1.3 Confirm by pressing , Fig.32 otherwise press  to go back to Fig.29B

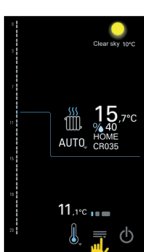


Fig.29A

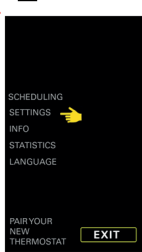


Fig.29B



Fig.29C

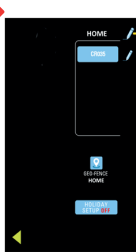



Fig.30



Fig.32
74

9.2 GEO-FENCE

9.2.1 Follow  to the geo-fence the device; [Fig.29 from 29A to 29C](#)

9.2.2 Press ; [Fig.33](#)

9.2.3 Press ; [Fig.34](#)

9.2.4 Place your finger inside the circle  and scroll up  or down  to set the distance; [Fig.35](#)

9.2.5 Confirm by pressing . [Fig.36](#)

N.B.: This service will send you a notification indicating the status of your “feel” as soon as you exceed the Km threshold set.



Fig.33



Fig.34



Fig.35



Fig.36

9.3 HOLIDAY SETUP

It allows you to switch Off the heating for a set period of time.

9.3.1 Follow  to set holiday setup; Fig.29A - Fig.29C

9.3.2 Press  ; Fig.37

9.3.3 Set: hours / minutes, date of Holiday On / Holiday Off and the desired temperature; Fig.38

9.3.4 Confirm by pressing  . Fig.39

9.3.5 Follow  to exit, fig.40 and fig.41. The icon  will appears on display which means that the system is turned off. Time and date of the end of the holiday program  and the temperature  are shown below the hourglass; Fig.42

9.3.6 To delete the holiday programming, press  ; Fig. 42

9.3.7 Press  ; Fig.43

9.3.8 Now you can go back to your programming. Fig.44

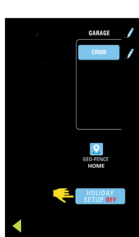


Fig.37



Fig.38



Fig.39



Fig.40

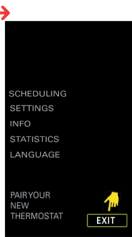


Fig.41



Fig.42



Fig.43

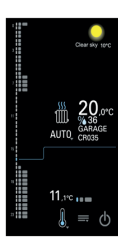



Fig.44

9.4 HEATING / COOLING

9.4.1 Follow  to set Heating or Cooling; Fig.45 from 45A to 45D

9.4.2 To set heating or cooling operation, press inside the circle. Fig.46A

9.4.3 Press  , Fig.46B, to go back to Fig.45A

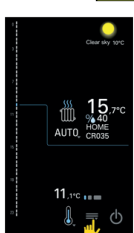


Fig.45A

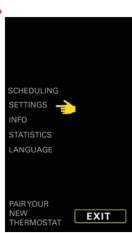


Fig.45B



Fig.45C



Fig.45D

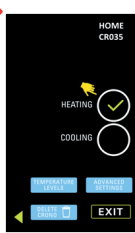


Fig.46A

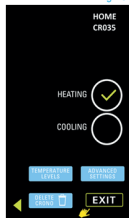


Fig.46B



9.5 TEMPERATURE LEVELS

It is possible to set 3 temperature levels both in Cooling and in Heating.

9.5.1 Follow  to set temperature levels; [Fig.45A to 45D](#)

9.5.2 Press ; [Fig.47](#)

9.5.3 Set the desired temperature for Heating or Cooling by scrolling the degrees; [Fig.48A or 48B](#)

9.5.4 Confirm by pressing  otherwise press  to go back to [Fig.47](#)

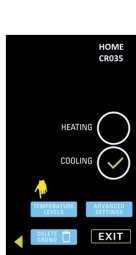


Fig.47

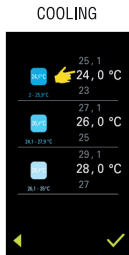


Fig.48A

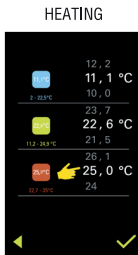


Fig.48B

9.6 ADVANCED SETTING

9.6.1 THERMAL DIFFERENTIAL

9.6.1.1 Follow  to set the Thermal differential; Fig. 45A - 45D

9.6.1.2 Press  Fig.49, and  Fig. 50

9.6.1.3 Set the desired value by scrolling the degrees; Fig.51A-51B

9.6.1.4 Confirm by pressing  otherwise press  to go back to Fig.50

9.6.2 FROST PROTECTION

9.6.2.1 Follow  to set Frost protection; Fig.45A-45D

9.6.2.2 Press  Fig.49, and  ; Fig. 52

9.6.2.3 Set the desired value by scrolling the degrees; Fig. 53

9.6.2.4 Confirm by pressing  otherwise press  to go back to Fig.52

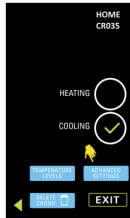


Fig.49

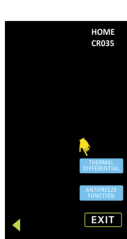


Fig.50

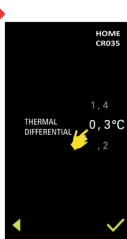


Fig.51A

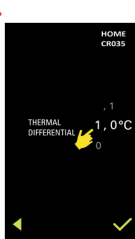


Fig.51B



Fig.52



Fig.53

9.7 DELETE PROGRAMMING

9.7.1 Follow  to delete the programmable thermostat; Fig.45A - 45D

9.7.2 Press  ; Fig.54

9.7.3 Press  to confirm; Fig.55

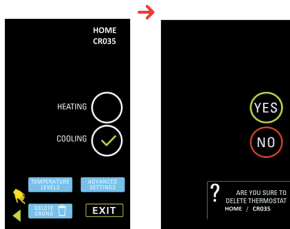


Fig.54

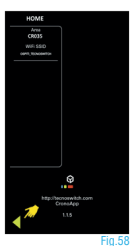
Fig.55

10.0 INFO

10.1 For more information, press ; Fig.56

10.2 Press **INFO** and ; Fig.57

10.3 To go back press ; Fig.58A - 58B



11.0 STATISTICS

It is possible to read the statistics on the use of the programmable thermostat.

11.1 Press ; Fig.56

11.2 Press **STATISTICS** and ; Fig.59

11.3 Select the programmable thermostat; Fig.60

11.4 Now you can view the statistics. To reset them, press **RESET**; Fig.61B



12.0 PAIR YOUR NEW PROGRAMMABLE THERMOSTAT

This function allows you to add a new programmable thermostat to your App.

It is possible to manage multiple devices simultaneously, maximum 4, in multiple different places, maximum 2.

There are 2 procedures:

12.1 PAIR NEW PROGRAMMABLE THERMOSTAT IN THE SAME PLACE

12.2 PAIR NEW PROGRAMMABLE THERMOSTAT IN ANOTHER PLACE

12.1 PAIR NEW PROGRAMMABLE THERMOSTAT IN THE SAME PLACE

12.1.1 Configure the device, see chapter 1;

12.1.2 Press  ; Fig.56

12.1.3 Follow  to pair a new programmable thermostat; Fig.62A and 62B

12.1.4 The pre-set location appears  . Press  and write the name of the device  Fig.63

12.1.5 Confirm by pressing  . Fig.64 - 65

N.B.: If error message appears fig.66, repeat the procedure.

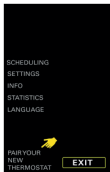


Fig.62A



Fig.62B



Fig.63

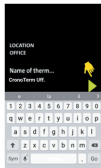


Fig.64

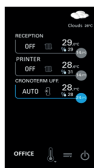


Fig.65




Fig.66

12.2 PAIR NEW PROGRAMMABLE THERMOSTAT IN THE ANOTHER PLACE

12.2.1 Repeat steps from 12.1.1 to 12.1.3

12.2.2 Press  to edit the location. [Fig.67](#)

12.2.3 Press  and write the name of the new programmable thermostat . [Fig.68](#)

12.2.4 Confirm by pressing . [Fig.69A - 69B](#)


The icon , [Fig.69B](#), means that there are 2 pages, that is, of 2 places (eg HOME - OFFICE) with which 1 or more devices are paired.



Fig.66

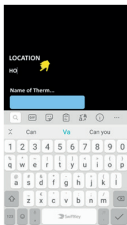


Fig.67

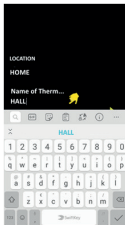


Fig.68

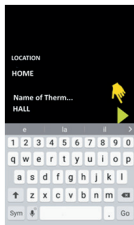


Fig.69A

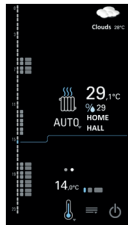


Fig.69B

13.0 ON/OFF + PROGRAMMABLE THERMOSTAS


It is possible to manage On and Off in 2 ways:

13.1 SWITCHING ON / OFF OF ALL PROGRAMMABLE THERMOSTATS PAIRED IN THE SAME PLACE

13.2 SWITCHING ON / OFF A SINGLE PROGRAMMABLE THERMOSTAT IN THE SAME PLACE

13.1 SWITCHING ON / OFF OF ALL PROGRAMMABLE THERMOSTATS PAIRED IN THE SAME PLACE

13.1.1 From the main screen, press  to turn Off all devices; Fig.70

13.1.2 Confirm by pressing  ; Fig.71

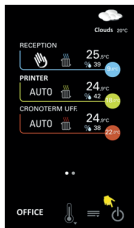


Fig.70

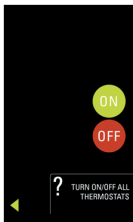


Fig.71




Fig.72

13.1.3 To turn them On, press  ; Fig.72

13.1.4 Confirm by pressing  ; Fig.71

13.2 SWITCHING ON / OFF A SINGLE PROGRAMMABLE THERMOSTAT IN THE SAME PLACE

13.2.1 From the main screen, press one of the programmable thermostats  ; Fig.73

13.2.2 Press  to turn Off the device. Fig.74

13.2.3 Confirm by pressing  . Fig.75



Fig.73

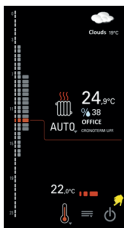


Fig.74



Fig.75

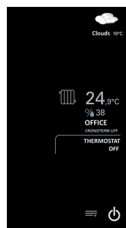




Fig.76



Fig.77

13.2.4 To turn it On, press ; Fig.76

13.2.5 Confirm by pressing .

14.0 TEMPORARY OPERATION


There are 2 modes of use:


14.1 TEMPORARY OPERATION OF ALL THE PROGRAMMABLE THERMOSTATS PAIRED IN THE SAME PLACE

14.2 TEMPORARY OPERATION OF THE SINGLE PROGRAMMABLE THERMOSTAT

14.1 TEMPORARY OPERATION OF ALL THE PROGRAMMABLE THERMOSTATS PAIRED IN THE SAME PLACE

14.1.1 To start the operation, press  , Fig.78A. The screen appears Fig.78B and follow the settings as per chapter 7;

14.1.2 To disable it, press  ; Fig.79

14.1.3 Confirm by pressing  . Fig.80

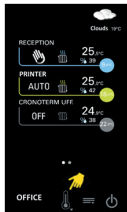


Fig.78A

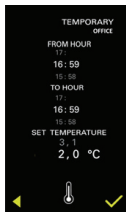


Fig.78B

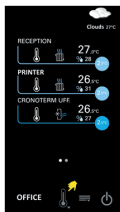


Fig.79

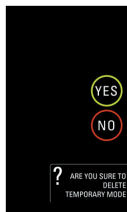


Fig.80

14.2 TEMPORARY OPERATION OF THE SINGLE PROGRAMMABLE THERMOSTAT

14.2.1 To start the operation, from the main screen, press one of the programmable thermostats



; Fig.81

14.2.2 Press  , Fig.82, and follow the settings as per chapter 7;

14.2.3 To disable it, press the programmable thermostat  ; Fig.83

14.2.4 Press  . Fig.84

14.2.5 Confirm by pressing  . Fig.85

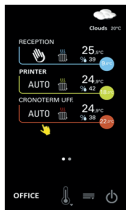


Fig.81

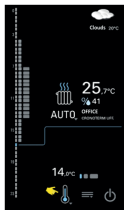


Fig.82

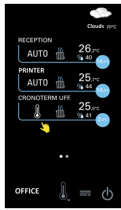


Fig.83



Fig.84

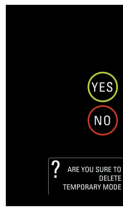


Fig.85

15.0 DAILY/ WEEKLY PROGRAMMING OF + PROGRAMMABLE THERMOSTATS


There are 2 procedures:



Procedure 1

15.1.1 From the main screen, press one of the programmable thermostats  ; Fig.86

15.1.2 To set the programming, see chapter 4 and 5;

Procedure 2

15.2.1 From the main screen, press  . Fig.87

15.2.2 Follow  to select the programmable thermostat to be set  ; Fig.88 – Fig.90

15.2.3 To set the programming, see chapter 4 and 5.



Fig.86

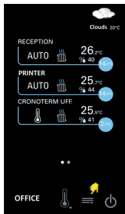


Fig.87

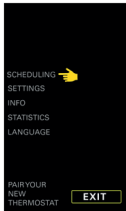


Fig.88





Fig.89



Fig.90

16.0 SETTINGS OF + PROGRAMMABLE THERMOSTATS IN + PLACES

16.1 From the main screen, [Fig.87](#), press  and follow  to enter the settings; [Fig.91 – Fig.93](#)

16.2 Now you can manage, set up and edit any zone and place, as per chapter 9.

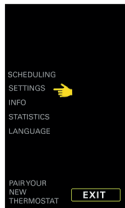


Fig.91



Fig.92

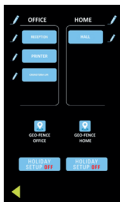






Fig.93

N.B. - [FIG.93](#) :

Eg. OFFICE

- Pressing  ,GEO-FENCE is activated on all the programmable thermostats paired with OFFICE.
- Pressing  ,the program is set on all the programmable thermostat paired with OFFICE.

Eg. HOME

- Pressing  , GEO-FENCE is activated on all the programmable thermostats paired with HOME.
- Pressing  , the program is set on all the programmable thermostat paired with HOME.

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Tecno Switch declines all responsibility for damage to things or persons derived from an incorrect or improper use of its products.



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