



BASICS

- In the WEEKLY PROGRAMMING screen, the target temperature flashes.
- To exit the WEEKLY PROGRAMMING, touch the ON/OFF button.
- Functions can be turned on by touching the display, pressing the touch areas.

GENERAL DESCRIPTION

Roma is a touch-screen, wall-mounted programmable chronothermostat that lets you easily set the temperature of your home. **Roma** has a backlit display to graphically display the target temperatures, which can be changed using simple and practical commands that make programming it very easy.

Roma can control heating and cooling systems. It avoids energy waste by running the heating or air conditioning system only when needed.

ELECTRICAL CONNECTION

The electrical connection terminals are located behind the **Wallplate** (Fig. 1).

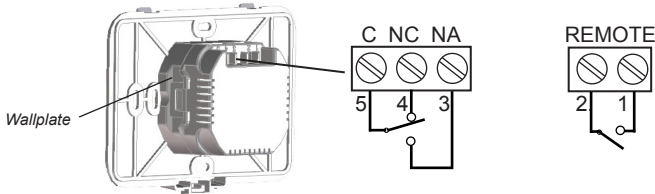


Fig. 1

Connection with a burner, wall-mounted boiler, air conditioning system, or spring-return zone valve (Fig. 2):

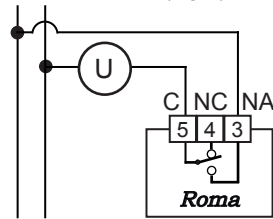


Fig. 2

Connection with a zone valve (Fig. 3):

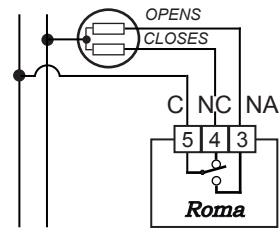


Fig. 3

INSTALLATION

Roma can be installed both in a recessed 2-module junction box (502 type) and in a recessed 3-module junction box (503 type). In both cases, the recommended height is 1.5 m above the floor, in a dry, draught-free place, away from heat sources. After making the electrical connections, fasten the **Wallplate** to the recessed junction box using the included screws, making sure that the **Wallplate's** Locking Clip is on the bottom side (Fig. 4).

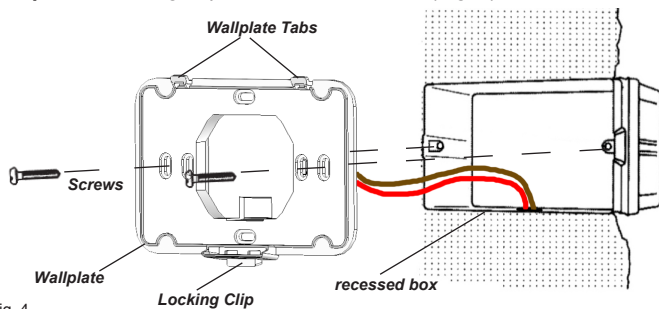


Fig. 4

POWER

The **Roma** programmable chronothermostat requires two common AAA alkaline batteries (1.5 V) to provide a 2-year lifespan (in stand-by operation). The batteries can be easily inserted in the compartment located behind (Fig. 5) the **Roma** programmable chronothermostat.

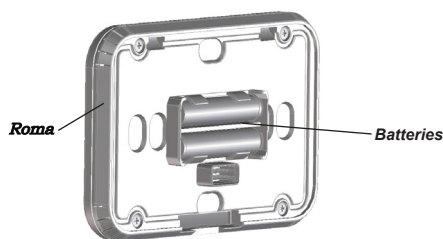


Fig. 5

ASSEMBLY

Latch the **Roma** programmable chronothermostat to the **Wallplate** Tabs and rotate it downwards until the **Locking Clip** locks it in place (Fig. 6). Conversely, to remove the **Roma** programmable chronothermostat from the **Wallplate**, release the Locking clip and rotate it upwards (Fig. 7).

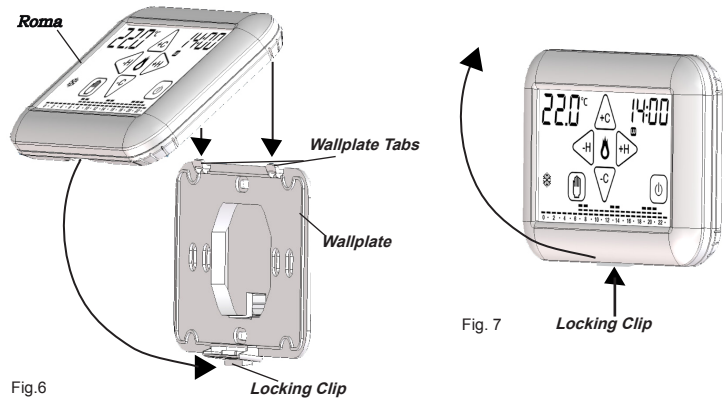


Fig. 6

Fig. 7

POWER ON/RESET

After inserting the batteries and selecting the **RESET** function, the programmable chronothermostat performs a checkup by turning on all parts of the display and activating the load for a few seconds (Fig. 8). After a few seconds the programmable chronothermostat goes into **STAND-BY ON** mode (Fig. 9). **Roma** is pre-programmed with a weekly temperature program, which can be modified at will.

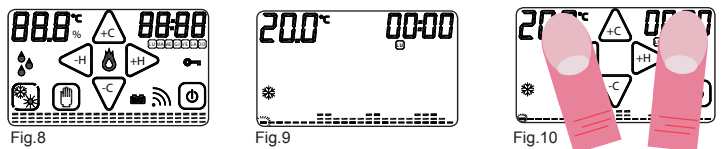


Fig. 8

Fig. 9

Fig. 10

The programmable chronothermostat's **RESET** function can be accessed from the **Home Screen** (Fig. 10) by pressing the measured temperature area and the **TIME** area together.

TEMPERATURE CHART

The **Roma** programmable chronothermostat has a temperature chart that shows a diagram made up of 24 columns that represent the **HOURS** of the day.

Two temperatures can be programmed for each **HOUR**:

- the temperature of the **FIRST HALF HOUR** (e.g. from 00:00 to 00:29)
 - the temperature of the **SECOND HALF HOUR** (e.g. from 00:30 to 00:59)
- The heights of the columns change only when setting the temperatures for the **FIRST HALF HOURS** of each hour.

-Each **COLUMN** is made up of three temperature **CURSORS** (Fig. 8):

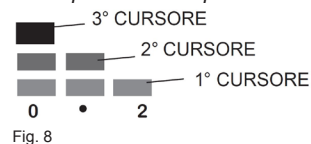


Fig. 8

In **WINTER** mode "❄️":

- The 3rd **CURSORE** includes temperatures from 20.0°C to 30.0°C.
- The 2nd **CURSORE** includes temperatures from 16.1°C to 19.9°C.
- The 1st **CURSORE** includes temperatures from 5.0°C to 16.0°C.

In **SUMMER** MODE "☀️":

- The 3rd **CURSORE** includes temperatures from 29.0°C to 35.0°C.
- The 2nd **CURSORE** includes temperatures from 27.0°C to 28.9°C.
- The 1st **CURSORE** includes temperatures from 15.0°C to 26.9°C.

Let's assume you want to set the temperature of the "0" hour:

By setting the temperature to 18°C for the **FIRST HALF HOUR**, the column of **HOUR "0"** will change its height with respect to the pre-set program (Fig. 12). If you set the temperature to 25°C in the **SECOND HALF HOUR**, the "0" **HOURS** column will not change (Fig. 13).



Fig. 12



Fig. 13

Therefore: Setting the temperature of the **SECOND HALF HOUR** of each **HOUR** does not make the corresponding **HOUR** column change, even you set it to a different temperature with respect to the temperature of the **FIRST HALF HOUR** of that **HOUR**. The display will show the trend of the target temperatures throughout the day. The temperature **CURSORE** of the currently selected **HOUR** flashes.

WEEKLY PROGRAM

It is advisable to set the weekly programming before setting **DATE** and **TIME**. You can access the **Home Screen** (Fig. 15) from **STAND-BY ON** mode (Fig. 14), by simply touching the display.

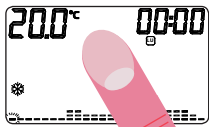


Fig. 14

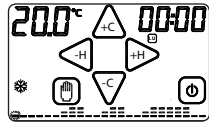


Fig. 15

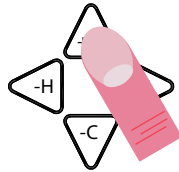
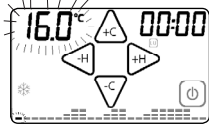


Fig. 16

Touch one of the $\triangle +C$, $\triangle -C$ or $\triangle -H$, $\triangle +H$ (Fig. 16) to access the **WEEKLY PROGRAMMING** (Fig. 17).

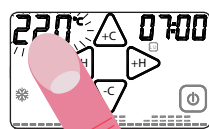


In **WEEKLY PROGRAMMING** you set the temperatures for every half **HOUR** of the day and for every day of the **WEEK**.

Touch $\triangle +C$ or $\triangle -C$ to increase or decrease the **TEMPERATURE** by 0.2°C.

Press $\triangle +C$ or $\triangle -C$ to change the temperature by 1.0°C.

Touch $\triangle -H$ or $\triangle +H$ to move to the next or previous half hour.



To copy the target temperature from one half hour to the next half hour press the temperature area (Fig. 19). Each press will make a copy (Fig. 20).

Touch the **TIME** area to move on to the next **PROGRAMMING** day (Fig. 21).

After programming, touch the **ON/OFF** (⏻) button to confirm the programming. **SAVE** will replace **TIME**, for a few seconds (Fig. 22).

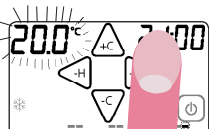


Fig. 21



Fig. 22

COPY FUNCTION

The **COPY FUNCTION** lets you copy the program set for one day to the other days of the week.

While setting the **WEEKLY PROGRAM** (temperature flashing - Fig. 23), press the **TIME** area for about 2 seconds, until **COPY** is shown (Fig. 24).

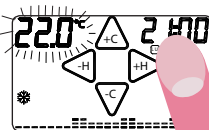


Fig. 23

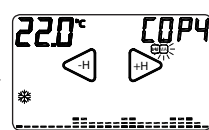


Fig. 24

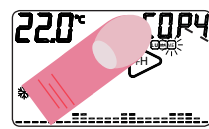


Fig. 25 Example of program copy from Tuesday to Wednesday

The **DAY** to be copied (e.g. Monday **LU**), will not flash while the day to which the program will be copied will flash (e.g. Tuesday **MA**) Fig. 46.

-Use the $\triangle -H$ or $\triangle +H$ buttons to scroll through the days of the week and press **COPY** to confirm the **DAY** to copy onto.

Press **COPY** several times to copy the day to the rest of the week (Fig. 25).

Touch the **TEMPERATURE** area at any time to exit the **COPY** function. The display will return to the **WEEKLY PROGRAMMING** screen.

DATE and TIME SETUP

You can access the programmable thermostat's **Home Screen** (Fig. 26) from **STAND-BY ON** mode by simply touching the display. Press the **TIME** area (Fig. 27) for 2 seconds and the **HOURS** will start flashing (Fig. 28).

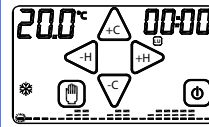


Fig. 26

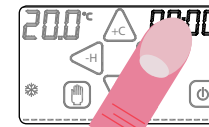


Fig. 27

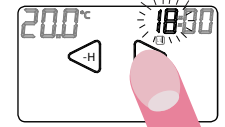


Fig. 28

TIME: USE THE $\triangle -H$ or $\triangle +H$ to set the correct **TIME** (Fig. 28).

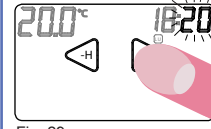


Fig. 29

MINUTES: press the **MINUTES** area and use the buttons $\triangle -H$ or $\triangle +H$ to set **MINUTES** (Fig. 29).

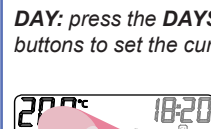


Fig. 30

DAY: press the **DAYS** area and use the $\triangle -H$ and $\triangle +H$ buttons to set the current **DAY** (Fig. 30).

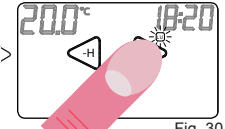


Fig. 31

After programming the **TIME**, the **MINUTES** and the **DAY**, confirm the settings by pressing the **TEMPERATURE** area (Fig. 31).

Fig. 31

PROGRAM DISPLAY

You can access the programmable chronothermostat's **Home Screen** (Fig. 15) from **STAND-BY ON** mode (Fig. 14), by simply touching the display. You can easily step through the daily program from 00:00 to 23:30 of each day, using the $\triangle -H$ or $\triangle +H$ buttons. While stepping through the program, the stored °C temperatures and the corresponding temperature cursor of the displayed **TIME** will flash (Fig. 32).

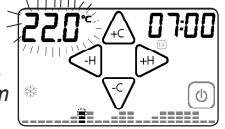


Fig. 32

MANUAL MODE

To activate the display, just touch it.

Press the "⏻" button for about 2 seconds (Fig. 33) to enable **MANUAL** mode (Fig. 34). The **Roma** programmable chronothermostat now behaves as a simple room chronothermostat.

Touch $\triangle +C$ or $\triangle -C$ to increase or decrease the **TEMPERATURE** by 0.2°C.

Press $\triangle +C$ or $\triangle -C$ to change the temperature by 1.0°C.

After a few seconds without any operation, or if you simply touch the **TEMPERATURE** area, the **MANUAL** screen returns.

If the target temperature is higher than the measured temperature, the **SYSTEM CONTROL CONTACT** symbol (🔥) will be shown.

To exit **MANUAL** programming, press the "⏻" button for 2 seconds.

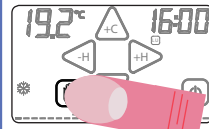


Fig. 33



Fig. 34

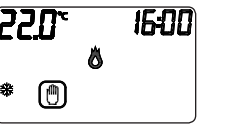


Fig. 35

MANUAL SCHEDULING FUNCTION

This function allows the **Roma** programmable chronothermostat to operate in **MANUAL** mode for a certain period, maintaining the temperature set in the **MANUAL** program. At the end of the set period, the programmable thermostat will return to the **WEEKLY PROGRAM**.

From **MANUAL** mode, press the **TIME** area for 2 seconds. The **TIME** and the "⏻" button will start to flash (Fig. 37).



Fig. 36

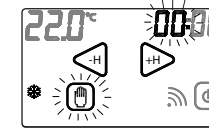


Fig. 37

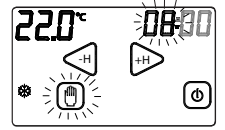


Fig. 38

Press the $\triangle -H$ or $\triangle +H$ buttons to set the period for which the programmable chronothermostat will run in **MANUAL** mode. To set the minutes, press the **MINUTES** area. The maximum period is 99 hours and 59 minutes. Touch the "⏻" button after setting the period to start the timer, that will show the remaining time and flash the "⏻" symbol. In the example in Figure 38 the programmable chronothermostat will run in **MANUAL** mode for 8:00 hours. To stop the timer, touch the button after enabling the display by simply touching it.

SUMMER/WINTER

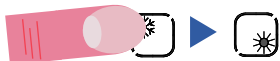
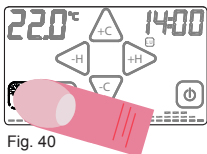
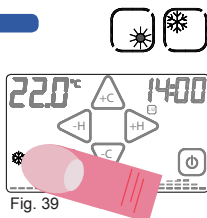
The **SUMMER/WINTER** function lets you set two modes of operation of the programmable chronothermostat:

SUMMER MODE ☀️ : used to control cooling devices.

WINTER MODE ❄️ : used to control heating devices.

To change the seasonal operation mode, first enable the button by pressing the corresponding area on the **Home Screen** (Fig. 39).

Then touch the button to change the **OPERATION MODE** (Fig. 40).



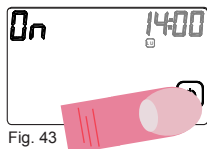
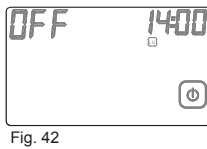
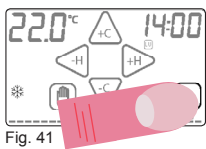
ON / OFF

To activate the display, just touch it.

To turn off the device, press the **ON/OFF** button (Fig. 41) for about 2 seconds. The device will switch itself off, and the system will stop running. In **STAND-BY OFF** mode, it displays only the **TIME** and the measured **TEMPERATURE** (Fig. 42).

To turn on the programmable chronothermostat, first enable the **ON/OFF**

button by touching the display. Press the **ON/ OFF** button for about 2 seconds to turn on the programmable chronothermostat (Fig. 43).



LOCK WITH PASSWORD

To activate the display, just touch it.

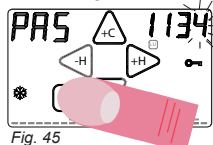
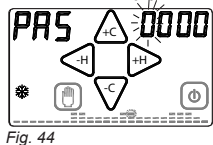
Press **☞** and **☐** hold the button for about 2 seconds, to access the **PASSWORD** setting screen (Fig. 44).

The numbers "0000" represent the digits that make up the **PASSWORD**.

Use the **+C** or **-C** buttons to change the flashing digit.

To move to the next digit, press the **-H** or **+H** buttons.

Confirm the **PASSWORD** by pressing and holding the button **☐** (Fig. 45).



When the "🔑" symbol is shown (Fig. 46), the programmable chronothermostat is locked and you cannot change any parameter until you unlock it.

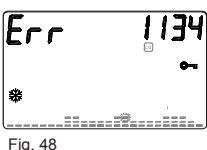
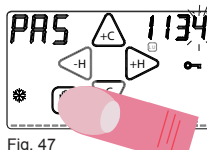
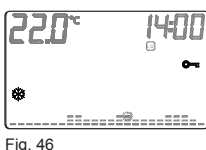
You can exit the password setting at any time simply by pressing the **☐** button, or by waiting 12 seconds without touching the programmable chronothermostat's display.

To unlock the programmable chronothermostat, press the "🔑" symbol and enter the **PASSWORD**.

Confirm the **PASSWORD** by pressing the "☐" button (Fig. 47).

If the **PASSWORD** is correct, the programmable chronothermostat will automatically switch to the **Home Screen**, otherwise it will display the "Err" message, meaning that the **PASSWORD** entered is wrong (Fig. 48). If needed, repeat the step.

WARNING: If you have forgotten your PASSWORD, contact support.



MAINTENANCE RANGE

The **MAINTENANCE RANGE** is the range beyond which the programmable chronothermostat calls for heating/cooling. The range is centred on the **TARGET TEMPERATURE**.

You can make it smaller or greater, depending on how the room's temperature changes (size of the room and influences from outside).

In **WINTER** mode (❄️) the programmable chronothermostat turns on the heating system when the temperature measured in the room is:

SET TEMPERATURE - 1/2 OF MAINTENANCE RANGE

The heating system is turned off when the measured temperature is:

SET TEMPERATURE + 1/2 OF MAINTENANCE RANGE

Conversely, in **SUMMER** mode (☀️) the cooling and/or air conditioning system

is turned on when the measured temperature is:

SET TEMPERATURE + 1/2 OF MAINTENANCE RANGE

The cooling and/or air conditioning system is therefore turned off when the measured temperature is:

SET TEMPERATURE - 1/2 OF MAINTENANCE RANGE

The **MAINTENANCE RANGE** is pre-set in the programmable chronothermostat to **0.4°C** or the **WINTER** mode (❄️) and to **0.8°C** for the **SUMMER** mode (☀️).

Therefore, for example:

Program: **WINTER** (❄️)

- **SET TEMPERATURE: 20.0 °C**

- **MAINTENANCE RANGE: 0.4°C**

TEMPERATURE MEASURED:

20.0 - 0.2 °C = **19.8 °C**

▶ HEATING SYSTEM ON

MEASURED TEMPERATURE:

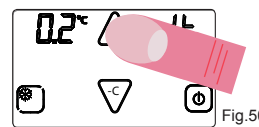
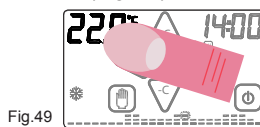
20.0 + 0.2 °C = **20.2 °C**

▶ HEATING SYSTEM OFF

You can access the **Home Screen** from **STAND-BY ON** mode by simply touching the display.

To change the **MAINTENANCE RANGE** (dt) from the **Home Screen**, press the **TEMPERATURE** area on the display for 2 seconds (Fig. 49).

"dt" will be shown in the lower area of the display and the maintenance range value currently set for the relative program will be shown in the upper area. You can then adjust the dt between **0.2°C** and **2°C** using the **+C** or **-C** buttons (Fig. 50).



Directive 2012/19/UE (Waste Electrical and Electronic Equipment - WEEE):



WEEE

Information for users:

The crossed out wheeled bin label that can be found on your product indicates that this product should not be disposed of via the normal household waste stream. To prevent possible harm to the environment or human health please separate this product from other waste streams to ensure that it can be recycled in an environmentally sound manner. For more details on available collection facilities please contact your local government office or the retailer where you purchased this product.

SALES CONDITION

THE PRESENT CERTIFICATE IS THE ONLY DOCUMENT TO HAVE THE RIGHT OF REPARATION OF DEVICE IN WARRANTY

- The product is warranted for 24 month from purchase date.
- Any damages caused by tampering and incorrect use or installation will be not covered by warranty.
- The warranty is valid only if is full compiled.
- In case of defects covered by warranty, the producer will repair or replace the free product.

PERFORMANCES OUT OF WARRANTY:

When warranty's terms are spent, the eventual reparations will debited in according to the replaced parts and to the hand costs.

WARRANTY CERTIFICATE

TO BE COMPLETED AND SENT IN CASE OF FAILURE

DEVICE: Roma semi-recessed touch-screen programmable chronothermostat.

Serial number (s/n)

RESELLER

Stamp:

Date of purchase:

USER:

Surname and name _____ nr _____

Address _____ nr _____

City _____

Telephone _____

REMOTE CONTACT

When the **Roma** programmable chronothermostat is off (OFF) it can be controlled by a remote device connected to the **REMOTE** terminal board (Fig. 51).

The programmable chronothermostat will be **ON** or **OFF** depending on the **REMOTE** command and the status of the programmable chronothermostat itself.

The statuses are shown in the table below (Fig. 52).

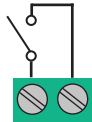


Fig. 51

Roma	REMOTE	FINAL STATUS
OFF	OFF ► ON	ON
ON	ON ► OFF	OFF
OFF ► ON	OFF	ON
ON ► OFF	OFF	OFF
ON ► OFF	ON	ON
ON/OFF	ON/OFF ► ON ► OFF	OFF

Fig. 52

- **Roma ON:**

If the **Roma** is **OFF** and the **REMOTE** switches from **OFF** to **ON**, **Roma** will be **ON**.

- **Roma OFF:**

If the **Roma** is **ON** and the **REMOTE** switches from **ON** to **OFF**, **Roma** will be **OFF**.

- **Roma ON:**

If the **Roma** switches from **OFF** to **ON** and the **REMOTE** is **OFF**, the **Roma** will be **ON**.

- **Roma OFF:**

If the **Roma** switches from **ON** to **OFF** and the **REMOTE** is **OFF** the **Roma** will be **OFF**.

- **Roma ON:**

If the **Roma** switches from **ON** to **OFF** and the **REMOTE** is **ON**, the **Roma** will stay **ON**.

- **Roma OFF:**

If the **Roma** and **REMOTE** are in any state and the **REMOTE** first turns **ON** and then **OFF**, **Roma** will be **OFF**.

(Note: It is advisable to carry out this operation if the user does not remember the state of the **Roma** programmable chronothermostat and wants to turn it off with the **REMOTE** contact).



GB Directive 2012/19/UE (Waste Electrical and Electronic Equipment - WEEE):

Information for users:

The crossed out wheeled bin label that can be found on your product indicates that this product should not be disposed of via the normal household waste stream. To prevent possible harm to the environment or human health please separate this

product from other waste streams to ensure that it can be recycled in an environmentally sound manner. For more details on available collection facilities please contact your local government office or the retailer where you purchased this product.

RAEE - WEEE

LOW BATTERY



The programmable chronothermostat detects two battery discharge thresholds. When the **FIRST THRESHOLD** is reached, the **BATTERY LOW** symbol (Fig. 53) is shown, while the functions and the program set do not change. When the **SECOND THRESHOLD** is reached, the programmable chronothermostat switches off, disabling the system operation and flashing the **DEAD BATTERY** symbol (Fig. 54).

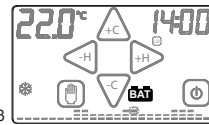


Fig. 53

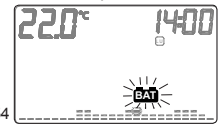


Fig. 54

To restore operation of the **Roma** programmable chronothermostat, the batteries must be replaced.

ANTI-FREEZE FUNCTION

When the chronothermostat is switched off the **ANTI-FREEZE FUNCTION** remains active.

If the ambient temperature detected drops below 5°C (5°C - 0.2°C = 4.8°C) the chronothermostat activates the heating system to maintain the water in circulation and stop ice from forming in the tubes (Fig. 55).

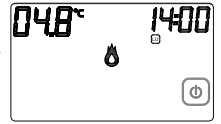


Fig. 55

SYSTEM CONTROL CONTACT

The heating/cooling system is turned on/off (if the **Roma** is correctly set up), at the target temperature thresholds, by switching the contact located in the **Wallplate** recessed in the wall. When you touch the display in **STAND-BY ON** mode (Fig. 56) and on the **Home Screen** (Fig. 57), the programmable chronothermostat updates the state of the contact in the **Wallplate** to the system's current state.

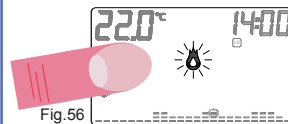


Fig. 56

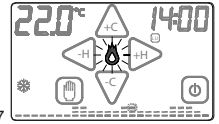


Fig. 57

The **SYSTEM RUNNING** symbol "💡" will flash briefly to confirm the action. In the absence of user intervention, the tool updates the state of the contact once an hour.

MEASURED TEMPERATURE

- SET MAINTENANCE RANGE (PRESS)
- COPY TARGET TEMPERATURE (TOUCH)

DECREMENT HOURS / MINUTES

- (Only TOUCH or PRESS)
- ACCESS WEEKLY PROGRAMMING (TOUCH)

HEATING/AIR CONDITIONING SYSTEM IN OPERATION

SUMMER/WINTER MODE

- ENABLE CHANGE SEASON (PRESS)
- CHANGE SEASON (TOUCH)

MANUAL PROGRAM

- ENTER/EXIT MANUAL PROGRAM (PRESS)

INCREASE TARGET TEMPERATURE AND MAINTENANCE RANGE

- ACCESS WEEKLY PROGRAMMING (TOUCH)
- SLOW INCREMENT TEMPERATURE (TOUCH)
- FAST INCREMENT TEMPERATURE (PRESS)

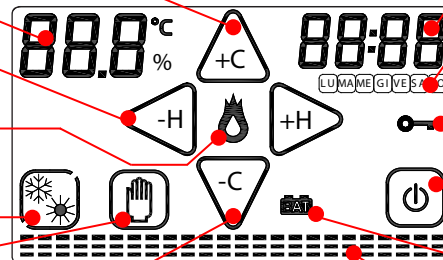


Fig. 58

DECREASE TARGET TEMPERATURE AND MAINTENANCE RANGE

- ACCESS WEEKLY PROGRAMMING (TOUCH)
- SLOW DECREMENT TEMPERATURE (TOUCH)
- FAST DECREMENT TEMPERATURE (PRESS)

TIME of DAY

- ENABLE COPY DAILY PROGRAM (PRESS)
- COPY DAILY PROGRAM (TOUCH)

SAVE

- DISPLAY PROGRAM SAVE

DAYS OF THE WEEK

LOCK/UNLOCK FUNCTION (PRESS)

- ACCESS WEEKLY PROGRAMMING (TOUCH)

ON/OFF

- ON/OFF (PRESS)
- EXIT FUNCTION/PROGRAM (PRESS)

DEAD BATTERY ALERT

DAILY/WEEKLY CHART OF TARGET TEMPERATURES

Dis. 1034144 Cod. 2.710.3202

TECHNICAL SPECIFICATIONS

- Power Supply: 2 × 1.5V AAA alkaline batteries.
- Lifespan (stand-by): 2 years.
- Automatic battery level control with 2 intervention thresholds.
- On-screen chart of the set temperatures, time and measured temperature.
- No data loss if batteries are replaced within 1 minute.
- Optional on/off switching via remote control.

- Adjustment range: from 5.0°C to 30.0°C in the **WINTER** mode (❄️).
- from 15.0°C to 35.0°C in the **SUMMER** mode (☀️).
- Adjustment range: 0.2°C in **AUTOMATIC/WINTER MODE** (❄️), 0.2°C in **MANUAL/WINTER MODE** (❄️), 0.2°C in **SUMMER MODE** (☀️).

- Adjustable maintenance range: from 0.2°C to 2.0°C (intervention interval from +0.1°C to +1.0°C)
- Any temperature within the control range can be programmed for each half hour of the day, for every day of the week.

- Capacity of contacts: 230 V AC - 5 A (resistive load).
- Installation: semi-recessed.
- Available colours: white or anthracite grey.
- Weight: 207.5 g, batteries included.
- Product size: 123.5 × 83.5 × 16.5 mm



- Class 1 temperature control device.
- Contribution of the temperature control to seasonal space heating energy efficiency: 1%. (in accordance with 2010/30/EU Directive, 811/2013/EU Regulation).

PROPER USE AND MAINTENANCE

- The programming screen is fully displayed on the front display.
- It is advisable to switch the programmable chronothermostat off and on again to realign the relay status.
- When pressing the display, during use and programming, touch it lightly and only in the area of the specific function.
- If you have trouble controlling it, you can use a thin, non-metallic tool.
- If you do not have a pen for handheld devices, you can use the eraser of a pencil, the plastic cap of a pen or a cotton swab, for example.
- Clean the display with a soft, dry cloth, without cleansers or detergents, pressing the display lightly and, if possible, with the programmable thermostat in the **LOCKED** mode (🔒).



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The manufacturer reserves the right make any cosmetic or functional change without notice and at any time.