

FLUSH-MOUNTED TOUCH SCREEN THERMOSTAT *T-Touch*



Made
in
Italy

geca	Tecnocontrol	COLOR
3.530.1652	TE401	White
3.531.1653	TE402	Anthracite grey
3.531.1705	TE403	Silver

ADAPTABLE SWITCH PLATES

AVE : serie Banquise and Noir.

VIMAR: serie Idea, Idea Rondò, Plana ed Eikon.

BTICINO: serie Living International, Light, Light Tech, Matix, Luna and Axolute.

LEGRAND: serie Vela.

GEWISS: serie Chorus One, Chorus Lux, Chorus Art, Chorus Flat, Chorus Geo, *Playbus and *Playbus young.

GENERAL DESCRIPTION

T-Touch is a flush-mounted touch screen thermostat that facilitates setting the temperature in your home.

T-Touch allows the setting of two modes of temperature:

The DAY temperature (☀) and the NIGHT temperature (☾).

T-Touch has a backlight display with constant digital visualization of the measured temperature and the set temperature.

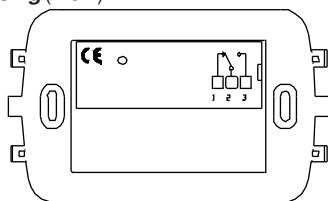
T-Touch controls the heating and air-conditioning systems.

It avoids wasting energy by activating the heating and air-conditioning systems only when required.

Thanks to the **holder plate** the most diffused domestic series of switches and accessories on the market can be mounted.

ELECTRICAL CONNECTION

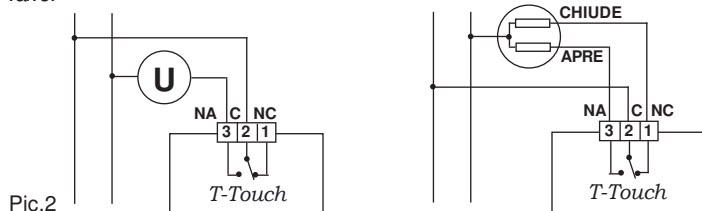
The terminals for the electrical connections are positioned at the rear of the **thermostat's housing** (Pic.1).



Pic.1

Connection to the burner, wall-mounted boiler, air-conditioning system and the spring return zone valve:

Connection to the zone valve.



Pic.2

INSTALLATION

The thermostat must be installed directly into the 3 module pattress box (flush-mounted installation). The recommended height from the floor is 1.5 metres in a dry place without air currents and far away from heat sources.

1 Carry out the electrical connection as in Pic. 2.

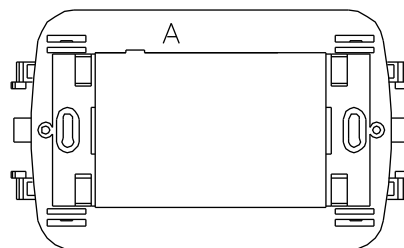
2 Choose the **holder plate** to utilise on the basis of requirements (SWITCH PLATE "A", SWITCH PLATE "B", SWITCH PLATE "C" or SWITCH PLATE "D").

3 Adapt the attachment of the **holder plate** on the basis of the required switch plate.

4 Attach the **holder plate** to the base of the **thermostat's housing**.

N.B. *T-Touch*: Thanks to the **holder plate** the most diffused domestic series of switches and accessories on the market can be mounted and easily adapted.

HOLDER PLATE A



Using this **holder plate** the following domestic switch series can be mounted

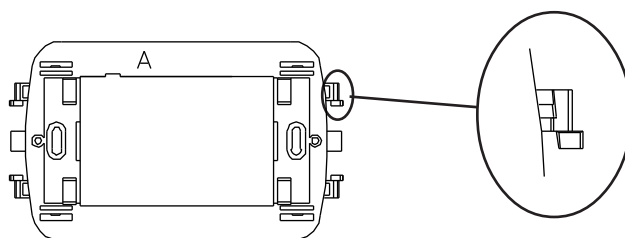
1• **AVE Banquise** and **Noir** series.

2• **VIMAR Idea** and **Rondò** series.

3• **BTICINO Living International, Light, Light Tech** and **Matix** series.

1 • Switch plate for the **AVE Banquise** and **Noir** series.

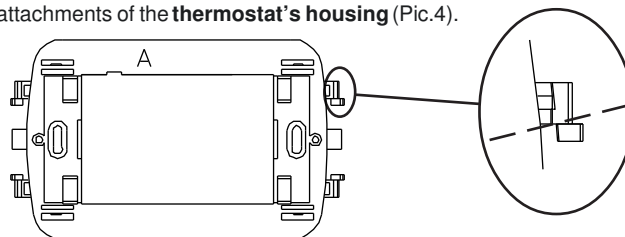
No modification is necessary to **holder plate A** (Pic.3) for its assembly.



Pic. 3

2 • Switch plate for the **VIMAR Idea** and **Rondò** series.

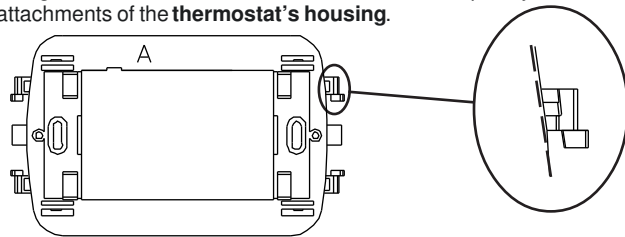
Using cutters on the section indicated in the figure, remove a part of all four attachments of the **thermostat's housing** (Pic.4).



Pic. 4

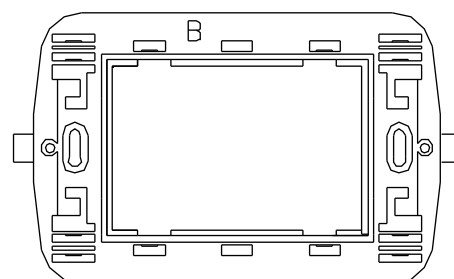
3 • Placca **BTICINO** serie **Living International, Light e Matix**

Using cutters on the section indicated in Pic.5, completely remove all four attachments of the **thermostat's housing**.



Pic. 5

HOLDER PLATE B



Pic. 6

Using this **backplate** the following domestic switch series can be mounted:

1• **VIMAR Plana** and **Eikon** series.

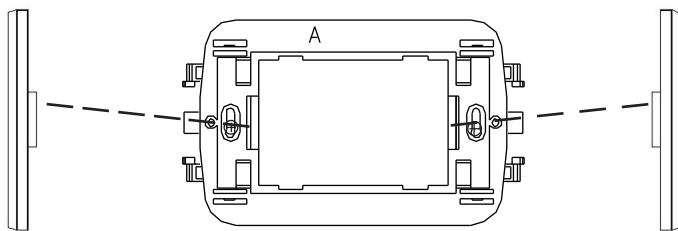
2• **BTICINO Luna** series.

N.B. For the **BTICINO Luna series** switch plate use cutters to remove the two tabs inside the switch plate.

3• **LEGRAND Vela** series.

No modification is necessary to the **backplate** for their assembly.

N.B. If the thermostat must receive **AVE Banquise** or **Noir**, **VIMAR Idea** or **Rondò** or **BTICINO Matix** switch plates, insert adequate **slot fillerstrips supplied** (Pic. 7) in the appropriate side slots.



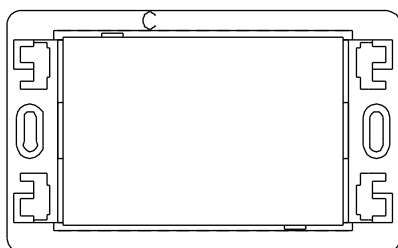
Pic. 7

To complete the assembly of the thermostat, mount the desired switch plate.

BACKPLATE C

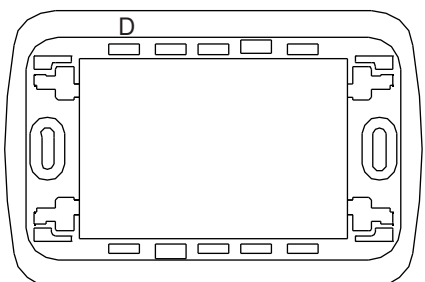
*OPTIONAL

On request, the *T-Touch* thermostat can be fitted into a three-module **backplate** (Pic. 8) that permits mounting the **GEWISS "Playbus"** and "**Playbus young**" domestic switch series.



Pic. 8

BACKPLATE D



Pic. 9

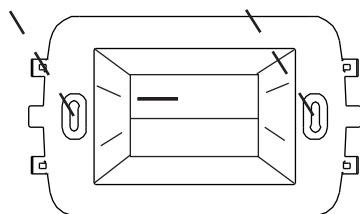
Using this **backplate** the following domestic switch series can be mounted (Pic. 9):

- 1• **GEWISS Chorus One, Chorus Lux, Chorus Art, Chorus Flat** and **Chorus Geo** series
- 2• **BTICINO Axolute** series.

No modification is necessary to the **backplate** for their assembly.

INSTALLATION OF THE THERMOSTAT'S HOUSING

After choosing an adequate backplate fix into the base of the thermostat's housing. Fix the thermostat's housing into the three-module pattress box utilizing the supplied screws. The thermostat's housing is now ready to receive the thermostat module and then the required switch plate (Pic. 10).

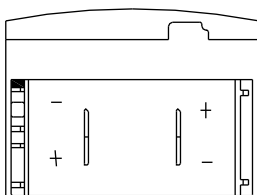


Pic. 10

POWER SOURCE

The thermostat is powered by two ordinary 1.5V AA alkaline batteries that ensure its functioning for at least two years (in **STAND-BY** mode). Insert the batteries into the appropriate compartment situated in the lower part of the module ensuring that the polarity indicated on the plastic is followed (Pic. 11).

Pic. 11



SWITCHING ON/RESET

After inserting the batteries and initiating the **RESET** function, the thermostat carries out a control cycle switching on all segments of the display and activating the charge for a few seconds (Pic. 12A). The **PROGRAMMING** interface appears (Pic. 12B) and after a few seconds the thermostat positions itself in **STAND-BY ON** (Pic. 12C).



Pic. 12 A



Pic. 12 B



Pic. 12 C

The **RESET** function is necessary to activate the **SUMMER / WINTER** key and then simultaneously press and or and .

To activate **SUMMER / WINTER** key press the display on **TEMPERATURE DETECTED** for around 2 seconds. (Pic. 14).

DAY & NIGHT MODE

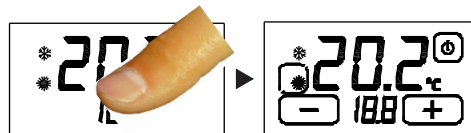
The function **DAY & NIGHT** (Pic. 13B) allows to change with facility the **DAY** "☀" temperature with **NIGHT** "☾" temperature.

The degrees set are kept in memory up to following changes.

To increase or to decrease the degrees both in **DAY** and in **NIGHT** form press keys or .

DAY MODE (☀) It is used during the day.

NIGHT MODE (☾) it is used at night.



Pic. 13A

Pic. 13B

To increase or decrease the temperature **DAY** or **NIGHT** in the set mode press the keys or .

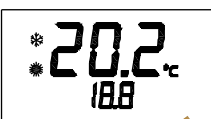
To change the operating mode, press the enabled key **DAY** or **NIGHT**. During the **STAND-BY ON** phase the display will show the symbol of the set mode with its memorized temperature.

SUMMER WINTER PROGRAMMING

If the thermostat is in **STAND-BY ON** (Pic. 14A) touch the display to enter into the **PROGRAMMING** interface (Pic. 14B).

Press the display on TEMPERATURE DETECTED (Pic. 14C) for 2 seconds, to enable editing of the program **SUMMER/WINTER**.

Press the button that appears on the display high up and on the left (**SUMMER / WINTER PROGRAMME** in Pic. 21) to modify the programme (Pic. 14D).



Pic. 14A



Pic. 14B

PROGRAMMING interface



Pic. 14C



SUMMER/WINTER PROGRAMMING



Pic. 14D

ON/OFF FUNCTION

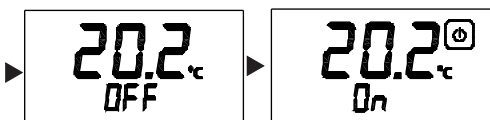
If the thermostat is in **STAND-BY ON** (Pic. 15A) touch the display to enter into the **PROGRAMMING** interface (Pic. 15B). To switch off the thermostat keep the **ON/OFF** button pressed that is high up and to the right on the display (Pic. 21) for approximately two seconds. The thermostat goes into shutdown phase (Pic. 15C) disabling the operation of the system and going into **STAND-BY OFF** mode (Pic. 15D). To switch on the thermostat it is first necessary to enable the **ON/OFF** button (Pic. 21) by touching the display (Pic. 15C). Keeping the button pressed for approximately two seconds, the thermostat switches on (Pic. 15E) and goes into **PROGRAMMING** mode (Pic. 15B).



Pic.15A

Pic.15B

Pic.15C



Pic.15D

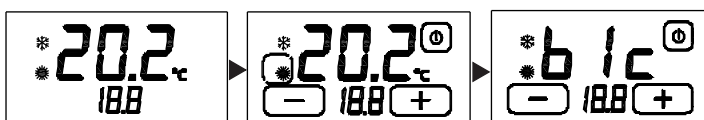
Pic.15E

BLOCKING FUNCTION

It is possible to pass from **STAND-BY ON** mode (Pic.16A) to the **PROGRAMMING** interface (Pic.16B) by simply touching the display.

The thermostat can be blocked in **STAND-BY ON** mode by keeping the **-** and **+** buttons pressed for approximately two seconds. When the **b1c** abbreviation (Pic. 16C) appears release the keys and the thermostat goes into blocking mode (Pic. 16D).

To unblock the thermostat keep the display pressed on the **b1c** abbreviation for approximately 5 seconds (Pic. 16D) and the **PROGRAMMING** interface will appear (Pic. 16B).



Pic.16A

Pic.16B

Pic.16C



Pic.16D

THERMAL DIFFERENTIAL

The **THERMAL DIFFERENTIAL** is the interval of the thermostat's intervention centred upon the **SET TEMPERATURE** to be reached (Pic. 21). It is quite wide on the basis of the variability index of the ambient temperature (size of the environment and influences of the external environment).

In the **WINTER** (❄️) programme the thermostat activates the heating system when the temperature is detected in the environment:

SET TEMPERATURE - SEMI_THERMAL DIFFERENTIAL

The heating system is switched off when the temperature is detected in the environment:

SET TEMPERATURE + SEMI_THERMAL DIFFERENTIAL

Vice versa, in the **SUMMER** (☀️) programme the cooling and/or air-conditioning system is activated when the temperature is detected in the environment:

SET TEMPERATURE + SEMI_THERMAL DIFFERENTIAL

The cooling and/or air-conditioning system is then switched off when the detected temperature is:

SET TEMPERATURE - SEMI_THERMAL DIFFERENTIAL

The **THERMAL DIFFERENTIAL** is preset in the thermostat at 0.4°C for the **WINTER** (❄️) programme and 0.8°C for the **SUMMER** (☀️) programme. For example:

Programme: WINTER (❄️)

SET TEMPERATURE: 20.0°C

THERMAL DIFFERENTIAL: 0.4°C

DETECTED TEMPERATURE: 20.0 - 0.2°C = 19.8°C ► HEATING SYSTEM ON

DETECTED TEMPERATURE: 20.0 + 0.2°C = 20.2°C ► HEATING SYSTEM OFF



Pic.17A

Pic.17B

Pic.17C

To modify the **THERMAL DIFFERENTIAL** (d.t.) in the **PROGRAMMING** mode Pic. 17B), lightly press the **SET TEMPERATURE** (Pic. 21) touch area on the display for approximately three seconds.

On the display appears the abbreviation "d.t." and amongst the lower figures appears the d.t. value currently set for the relative programme (Pic. 16C).

The **d.t.** can then be adjusted between 0.2°C - 2°C using the **-** or **+** buttons.

ANTI-FREEZE FUNCTION

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

If the ambient temperature detected drops below 7°C (7°C - 0.2°C = 6.8°C) the thermostat activates the heating system to maintain the water in circulation and stop ice from forming in the tubes (Pic. 18).



Pic.18

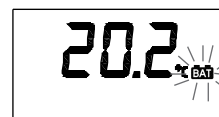
BATTERY DISCHARGED

The thermostat detects two discharge thresholds of the batteries.

On reaching the **FIRST THRESHOLD** the symbol of a **DISCHARGED BATTERY** (Pic. 21) appears and maintains unaltered the instrument's functions (Pic. 19A). On reaching the **SECOND THRESHOLD** the thermostat switches off, disabling the operation of the heating system and flashing the **BATTERY DISCHARGED** symbol (Pic. 19B). To reset the functions of the **T-Touch** thermostat it is necessary to substitute the batteries.



Pic.19A



Pic.19B

SYSTEM ACTIVATION CONTACT

The activation or deactivation of the cooling/heating system occurs when the programmed temperature thresholds are reached via the commutation of the appropriate contact situated in the **thermostat's housing** fitted into the wall. When touching the display whilst in **STAND-BY ON** mode (Pic. 20A) and **PROGRAMMING** mode (Pic. 20B) the thermostat updates the status of the contact in the **thermostat's housing** to the current status of activation of the system. This action is verifiable by a brief flash of the **SYSTEM FUNCTIONING** symbol (🔥). In the absence of an intervention by the user the instrument updates the status of the contact once an hour.



Pic.20A



Pic.20B

GENERAL GUARANTEE CONDITIONS

THIS CERTIFICATE IS THE ONLY DOCUMENT THAT GIVES THE RIGHT TO HAVE THE PRODUCT REPAIRED UNDER GUARANTEE

- The product is **GUARANTEED** for a period of 24 months from the purchase date.

- Any damage occurring from tampering, incorrect and improper use and installation are not covered by the **GUARANTEE**.

- The **GUARANTEE** is valid only if duly compiled.

- In the event of defects covered by the **GUARANTEE**, the manufacturer will repair or substitute the product free of charge.

SERVICES OUTSIDE THE GUARANTEE:

Once the terms or the duration of the **GUARANTEE** have expired, any eventual repairs will be charged based upon the parts substituted and the labour cost.

CORRECT UTILISATION AND MAINTENANCE

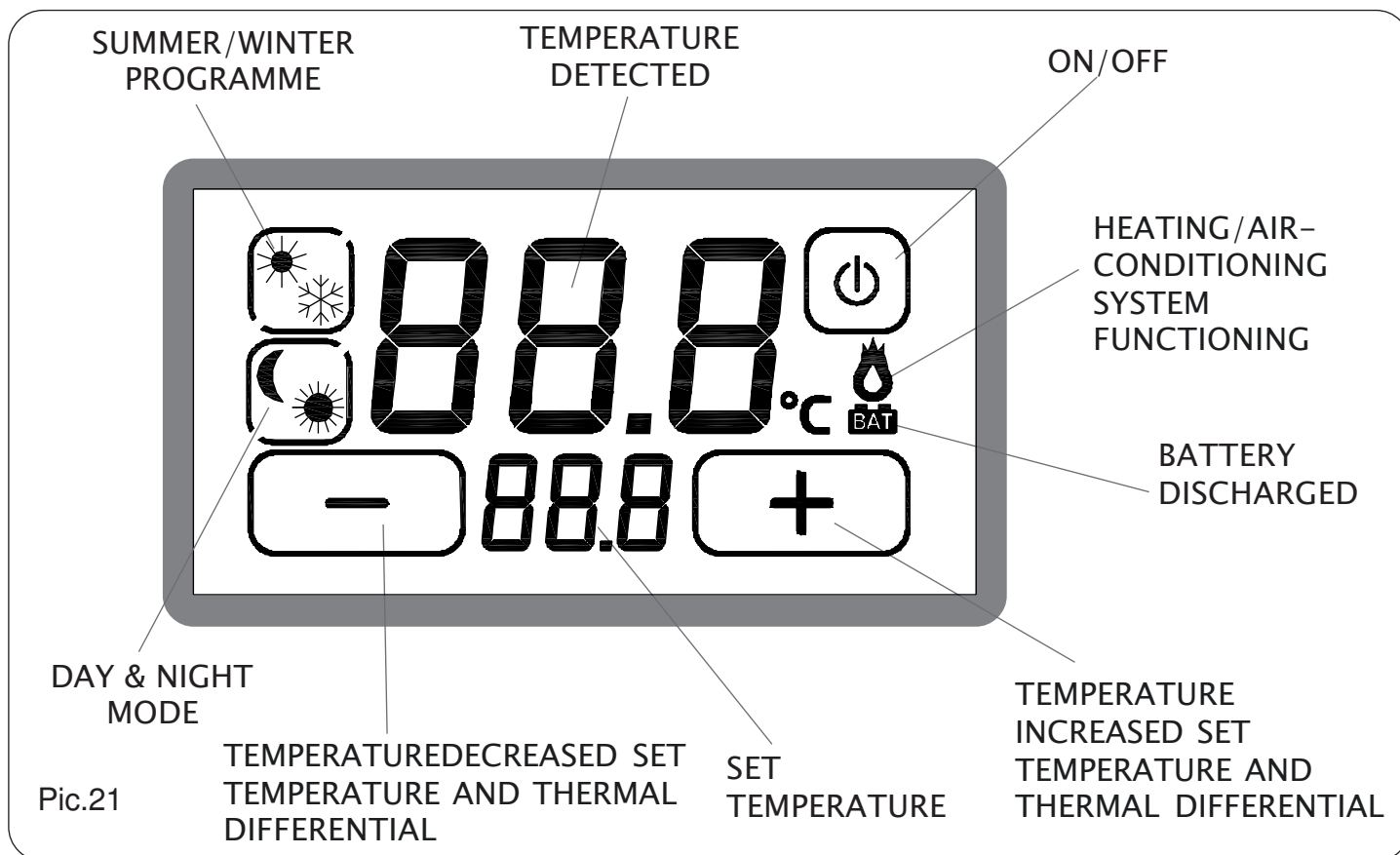
- The programming interface is completely visualized on the front display screen and it is therefore possible to utilize the thermostat whilst it is fitted into its thermostat's housing in the wall.

If the thermostat needs to be programmed extract it from its housing and then once reinserted **update the status of the relay by touching the display to establish the temperature detected in that environment.**

- The pressure used on the display during use and whilst programming must be light and localized to the zone foreseen for that specific function.

If there is difficulty in touching it is possible to utilize a slender and non-metallic instrument. If a palm pen is not available, utilize the blunt end of a pencil, a plastic cap of a pen, a toothpick or a cotton bud.

- The cleaning of the display must be carried out using a soft and dry cloth without detergents or cleaning liquids/powders and using light pressure on the display and possibly with the thermostat in BLOCK mode.



TECHNICAL CHARACTERISTICS

- Power source: 2 x 1.5V AA alkaline batteries.
- Autonomy (Stand-by): more than 2 years.
- Temperature range adjustment: **SUMMER programme** ☀️
from 15°C to 35°C in the DAY mode "☀️"
from 10°C to 30°C in the NIGHT mode "☾".
WINTER programme ❄️
from 5°C to 30°C in the DAY mode "☀️"
from 2°C to 25°C in the NIGHT mode "☾".
- Automatic control of the battery discharge with two intervention thresholds.
- Adjustment steps: 0.2°C in the WINTER programme (❄️), 0.5°C in the SUMMER programme (☀️).
- Adjustable thermal differential: from 0.2°C to 2°C (intervention interval from +0.1°C to +1°C)
- Possibility of programming any temperature included in the adjustment fields at each hour of the day, every day of the week.
- Contact capacity: 230VAC - 5A (resistive load).
- Installation: fitted into a three-module pattress box.
- Colours available: white, anthracite grey and silver.
- Weight: 110gr including the batteries.

CERTIFICATE OF GUARANTEE

TO BE COMPILED AND SENT IN THE EVENT OF A FAULT
INSTRUMENT: ☐ T-Touch Touch Screen Thermostat

Serial number: _____

RETAILER

Stamp: Purchase date: _____ / _____ / _____

USER

Surname and name _____

Address _____ nr _____

Postal code: _____ Town _____

Telephone _____



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