

EXAMPLE OF USER MANUAL



IMPORTANT



Read the instructions carefully before using the electronic thermostat.



- This appliance is intended only for room thermoregulation. Any other use is forbidden.
- Switch off the mains before any installation, disinstallation or maintenance operation on the thermostat.
- Don't cut the power supply cable.
- Don't use heater without thermostat with safety thermal fuse.
- The electrical cable cannot be repaired. If it is damaged it must be replaced by a specific one. This cable replacement must be done by a qualified professional.
- Don't use the thermostat if it's not correctly installed.
- When the pilot wire (black wire) is not connected, safety regulations require to be insulated and no event connected to the ground.
- If the Err S message is displayed, there is a temperature sensor fault: please contact the manufacturer.
- The nominal voltage of the thermostat must be the same one of the network.
- The socket-outlet (class 1 only) and the power lines must be dimensioned in order to support the necessary load.
- The socket-outlet must be compatible with the plug of the thermostat (class 1 only).
- In class 1 product ground has to be connected according to the standard in force (class 1 only).
- Any contact with chemical products or alcohols including the liquid inside the radiator must be avoided.

1. Installation Rules



- The device must not be installed with the control box Circe located topside.
- The heater must not be located immediately below a socket-outlet or switch.
- Don't mount the radiator with control box Circe touching the floor or the wall.
- The electronic thermostat should be connected only to 230 V AC 50Hz. For model without plug, respect the conventional colours:

Brown	Line Wire
Blue / Grey	Neutral Wire
Black	Fil-pilote (for class 2 products)
Yellow - Green	Earth (for class 1 products)

- An all-pole disconnection from the supply is required, incorporated in the fixed wiring. Switches intended to ensure all-pole disconnection must be directly connected to the supply terminals and must have a contacts distance of 3 mm at least in each pole.
- Protect the electrical line with a **high sensitivity differential device**.
- The electronic thermostat can be class 1 or class 2 apparatus and it is protected from water contact. In the bathroom it must be mounted in the zone 3 (see figure 1) in order to avoid people using the bath or the shower to get in touch with it.
- The electrical cable is meant to be connected to the electrical system through a connection box placed behind the apparatus, without an electrical plug (restriction valid for models without plug). The connection box or socket-outlet must be 25 cm at least from the floor.

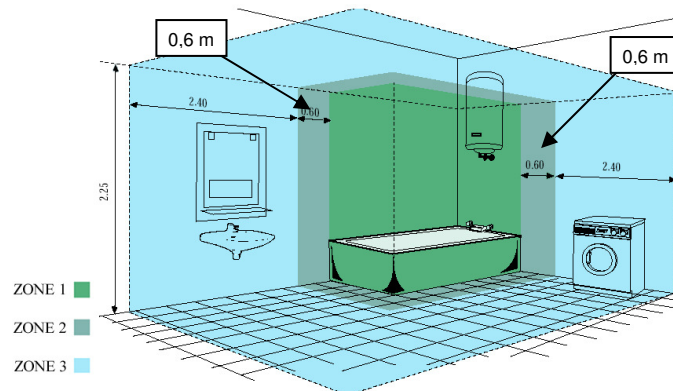


Figure 1: Classification of the Bathroom Zones



SAFETY INFORMATION

- When installing / removing the regulator verify that the **main power is switched off**.
- When radiator is installed make sure that Circe is not bending and it's surely fixed into radiator.



Installation of the radiator

The radiator is mounted against the wall, using the special stirrups. The distance of thermostat Circe from the wall must be a value from 40mm to 80mm.

2. Circe Radio description (when disconnected from Zefiro):

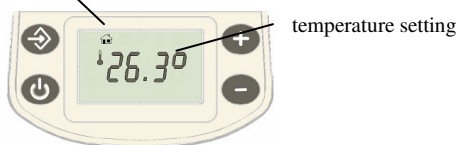
2.1 Turn on the device:

The device has four buttons as figure 2 illustrates. When Circe is on stand-by the black pointer is blinking on the display. To switch on the device push on/off button as in the following picture:



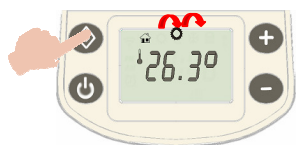
When the device is on, the display will show the current time in the "clock" mode, the temperature setting is shown in the other modes. A small icon indicates the operating mode.

small icon for the operating mode



2.2 Change the operating mode:

Press the mode button to change the operating modes:



2.3 Setting the temperature (T_{high}, T_{low}):

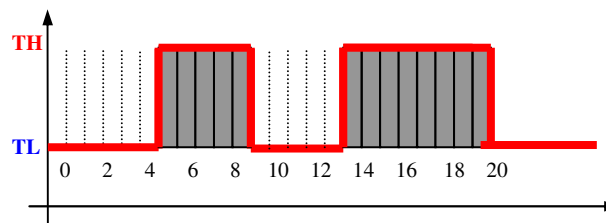
Two different levels of temperature can be set:

T_{high} is the temperature setting for the clock, fil-pilote and comfort modes; T_{low} is the temperature setting for the night-reduction mode. In the relative operating mode the required temperature can be set by pressing the "plus-minus" buttons. The flashing thermometer icon shows that setting is in progress.

thermometer

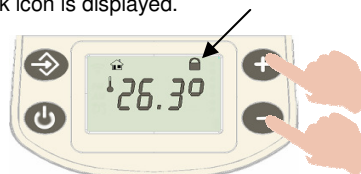


The two levels are used also by the "chrono" mode as follows:



2.4 Child lock protection:

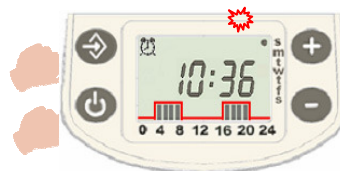
A lock child protection can be set. Press simultaneously "plus-minus" buttons for about 3 seconds to lock the keyboard. A small lock icon is displayed.



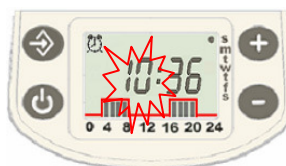
To unlock the keyboard, press simultaneously the two buttons for about 3 seconds once again.

2.5 Settings for daily and weekly programming:

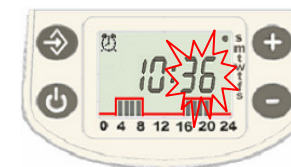
Press the "function" and "stand-by" buttons simultaneously to enter the configuration mode



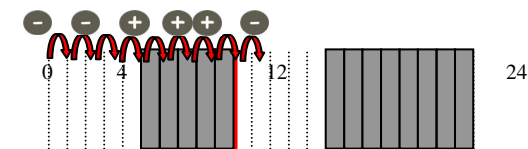
The dot indicating the current day flashes: press "plus-minus" to set the required day. Press the "functions" button to confirm. "Hour" is now flashing: use the "plus-minus" button to set and confirm with the "functions" button.



"Minutes" is now flashing: repeat the same procedure.



2.6 Setting the program: Now an hourly sequence can be set for each day. Start with the first day, select the sequence required by means of the "plus-minus" button to define Comfort (full bar) or Night (empty bar) for each hour.



Press "functions" to confirm and repeat the procedure for every day of the week.

3. How to associate Circe to a Zefiro Remote Control:

3.1 Zefiro has got a proper ID in order to be associated to Circe: Press simultaneously all the 4 buttons of Zefiro to enter the configuration mode.



The word CONF flashes on Circe display until it is completely associated to a transmitter. Press simultaneously all the 4 buttons of Circe to enter the configuration mode as well.



The word PROG flashes on Circe.
The associated device has the following symbol:



Zefiro can set simultaneously several receivers.

3.2 Local forcings:

When Circe is locally off but even associated to Zefiro the command modes received by Zefiro are ignored.

When Circe is associated to Zefiro, even a minimum change of setting lasts until Zefiro sends Circe the command once again.

The exchange of the command modes from Zefiro is every 30 seconds.

3.3 Zefiro user manual:

See Zefiro user manual for the use of Circe associated to.

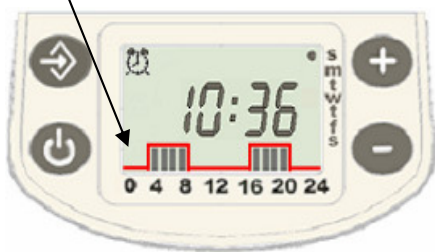
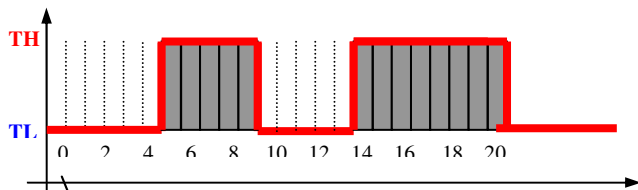
4. Operating Modes description :



Chrono operating Mode description

This operating mode allows the user to set different temperatures during the day.

It is possible to set the T_{High} temperature or the T_{Low} temperature. The temperature levels and the hours can be programmed (see illustration below).



Fil-Pilote operating Mode description

This operating mode is intended for the normal use of the electronic element, in order to heat the ambient when operating modes are received by a remote central control.

1. Press the "mode" button until mode icon is in position.
2. Choose the desired temperature using "plus-minus" buttons. The operating mode is now selected by your remote Fil-pilote central device.
3. The normal function mode is selected if remote Fil-pilote central device is not installed.

Note: For class 1 products there is no Fil-pilote command. The device operates in "Comfort" mode, described as follows.



Comfort operating Mode description

This operating mode is intended for the normal use of the electronic element, in order to heat the ambient.

1. Press the "mode" button until mode icon is in position.
2. Choose the desired temperature using "plus-minus" buttons.

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The room temperature can be identical to the temperature setting only for heaters which are located in places with standard conditions. It is normal that the thermostat setting shouldn't be identical in order to obtain the same temperature in two different rooms (influence of environment).

Operating modes

The "mode" button defines Circe operating modes:

MODES	Description
 CHRONO	<ul style="list-style-type: none"> • Daily and weekly programming for the two levels (Comfort and Night) defined by the user hour by hour. • All FIL-PILOTE commands are disabled except for stop command.
 FIL-PILOTE	<ul style="list-style-type: none"> • The temperature depends on the FIL-PILOTE command. • All FIL-PILOTE commands are enabled.
 STAND-BY	<ul style="list-style-type: none"> • Heating element off. • All FIL-PILOTE commands are disabled.

 COMFORT	<ul style="list-style-type: none"> • Regulation to the high range temperature • All FIL-PILOTE commands are disabled except for stop command.
 NIGHT	<ul style="list-style-type: none"> • Regulation to the low range temperature • All FIL-PILOTE commands are disabled except from stop command.
 ANTIFREEZE	<ul style="list-style-type: none"> • Minimum safety temperature: fixed at 7 °C • All FIL-PILOTE commands are disabled except for stop command.
LOCK	<ul style="list-style-type: none"> • The keyboard is locked • All the other functions are enabled.
Err S	<ul style="list-style-type: none"> • Temperature sensor fault

Fil-Pilote modes

- When Fil-pilote mode is selected the temperature setting is defined by the Fil-pilote signal on the display.
- Circe thermostat is able to recognize 6 Fil-pilote order signals.

Technical Characteristics Of Electronic Thermostat CIRCE

Power supply	230V ±10% AC 50 Hz
Maximum power of the heating element	2000W
Insulation class	Class 1 or 2
Waterproof class	IPX4
Shockproof class	IK04
Operating temperature	0 ÷ 50 °C
Storage temperature	-20 ÷ 70 °C
Operating humidity	0 ÷ 85% w/out condense
Maximum temperature for mounting surface	80 °C
Type of regulation	Proportional and Integral
Temperature setting	0.1 °C digital with buttons
Temperature regulation range	7 ÷ 35 °C
Temperature resolution	1/16 °C
Maximum amplitude	0.5 °C
Radio frequency	433 MHz

Guarantee

Electronic element is guaranteed for two years from any manufacturing defects, from the purchase date. In the event of modifications, spare parts are guaranteed for one year. The guarantee is valid only with the dated sales receipt.



Installation must comply to all national safety regulations and laws in force into the country where the product is installed.