

# EXAMPLE OF USER MANUAL



**IMPORTANT**



Read the instructions carefully before using the electronic thermostat.



- This appliance is intended only for room temperature regulation. 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 I 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 I only).
- In class I product ground has to be connected according to the standard in force (class I only).
- Any contact with chemical products or alcohols including the liquid inside the radiator must be avoided.

## 1. Installation Rules



- The apparatus 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 II product)
Yellow - Green	Earth (for class I product)

- 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 with the supply terminals and must have a contacts distance of at least 3 mm in each pole.
- Protect the electrical line with a **high sensitivity differential device**.
- The electronic thermostat can be class I or class II apparatus and it is protected from water contact. In the bathroom it may be mounted in the zone 3 (see figure 1): making it impossible to be touched by person using the bath or shower.
- 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 at least 25 cm from the floor.

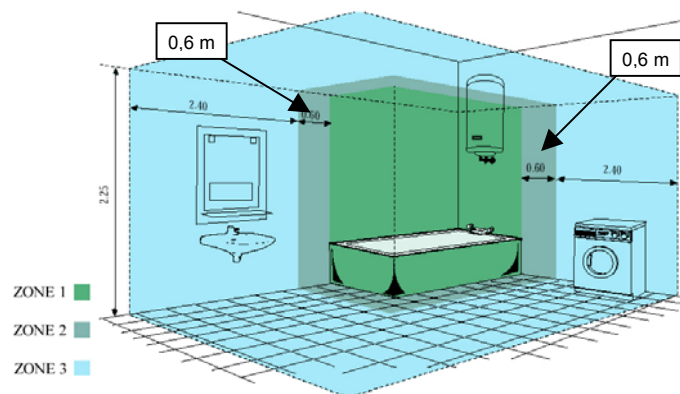


Figure 1: Classification of the Bathroom Zones



### 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 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.

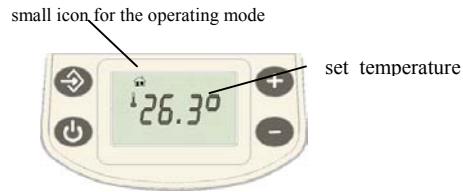
## 2. Circe Prog/Retro description:

### 2.1 Turn on the device:

The appliance 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 appliance push on/off button as in following picture:



When the device is on the time is displayed for the clock mode and the set temperature is displayed for the others modes. A small icon indicates the operating mode.



### 2.2 Change the mode:

Press the mode button to change operating modes:



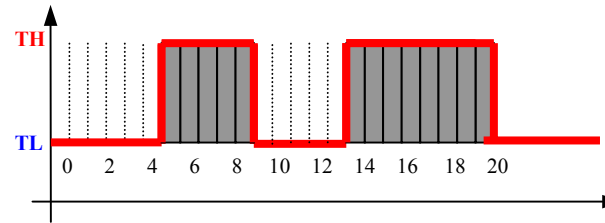
### 2.3 Set temperature T\_high, T\_low:

Two levels set temperature could be set:

T\_high is the set temperature for the clock, fil-pilote and confort modes; T\_low is the set temperature for the night-reduction mode. This two levels of temperature could be adjusted using plus and minus buttons. The blinking thermometer icon indicates the setting.



The two levels are used also on the clock mode:



### 2.4 Child lock protection:

A lock child protection could be set. Press at the same time plus and minus buttons and hold about 3 seconds to lock the keyboard.

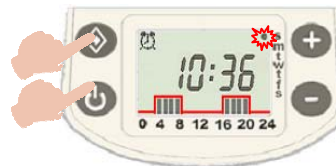
A small lock icon will displayed on.



Press the two buttons at the same time for 3 seconds, again, to unlock the keyboard.

### 2.5 Set the day-time and set weekly program.

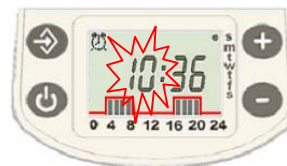
Press both mode and on/off buttons and hold about 3 seconds to lock the keyboard.



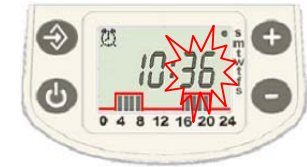
The day-pointer blinks;

The day could be set using plus and minus buttons;

Confirm the selection with mode button;

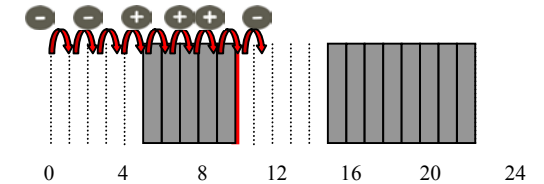


The hours number are blinking. Set the right time using plus and minus bottom. Confirm the selection with the mode button.



Then for each day could be set a program:

Starting from the day 1 select the bars configuration, use plus and minus buttons to turn on or off the bars.



Confirm the selection pressing mode buttons.

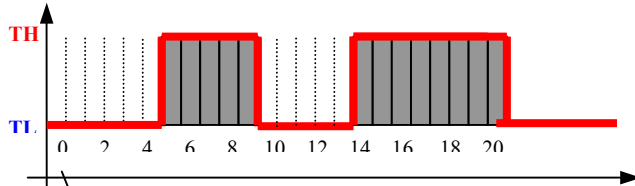
Then the same setting could be done for the other days.

### 3. Modes description :




#### Clock operating Mode description

This operating mode is intended for the timed use of the thermostat, in order to heat the ambient and follow two levels of temperatures the T\_Hight set temperature or T\_Low set temperature. The temperatures and the times could be programmed. (see section)



#### 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 from a remote central control.


1. Push the mode button until mode icon is in  position.
2. Choose the desirable temperature using buttons + and -. The operating mode will be selected by your remote Fil-Pilote central.
3. The normal function mode is selected if remote Fil-Pilote central is not installed.

Note: For class I product there isn't a Fil-Pilote command, the product operate as in confort mode, described as follow



#### Confort operating Mode description

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

1. Push the mode button until mode icon is in  position.

2. Choose the desirable temperature using buttons + and -.







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The room temperature can be identical to the set temperature 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:

MODE ICON	Description
	<b>CLOCK mode :</b> <ul style="list-style-type: none"> <li>• The temperature set depend on the day, the time and the temperature bars: if the corresponding time bar is on the set temperature is T_Hight temperature, otherwise is T_Low temperature temperature.</li> <li>• All FIL-PILOTE commands are disabled except from stop command.</li> </ul>
	<b>FIL-PILOTE mode:</b> <ul style="list-style-type: none"> <li>• The temperature depend on FIL-PILOTE command.</li> <li>• All FIL-PILOTE commands are enabled.</li> </ul>
	<b>Stop mode:</b> <ul style="list-style-type: none"> <li>• The heater is off</li> <li>• All FIL-PILOTE commands are disabled.</li> </ul>
	<b>Confort mode:</b> <ul style="list-style-type: none"> <li>• Regulation of Hight set temperature (T-Hight)</li> <li>• All FIL-PILOTE commands are disabled except from stop command.</li> </ul>
	<b>Night Reduction:</b> <ul style="list-style-type: none"> <li>• Regulation of Low set temperature (T_Low);</li> <li>• All FIL-PILOTE commands are disabled except from stop command.</li> </ul>
	<b>Antifreeze mode:</b> <ul style="list-style-type: none"> <li>• Minimum safe temperature of 7°C</li> <li>• All FIL-PILOTE commands are disabled except from stop command.</li> </ul>
	<b>Lock mode:</b> <ul style="list-style-type: none"> <li>• The keyboard is lock</li> <li>• All the other functions are enabled.</li> </ul>
Err S	• Temperature sensor fault

#### Fil Pilot modes

- When fil-pilot mode is selected the set temperature is define by displayed temperature and fil pilote signals.
- The Circe thermostat is made to recognize 6 order fil-pilote signals.

### Technical Characteristics Of Electronic Thermostat CIRCE

Power Supply	230V ±10% AC 50 Hz
Max Heating Element Power	2000W
Insulation class	Class I or II
Water Protection Class	IP34
Box Protection Impacts	IK05
Operating Temperature	0 – 50°C
Storage Temperature	-20 – 70°C
Operating Humidity	0 – 85% without condensation
Max Temp. for Mounting Surface	80°C
Regulation	Proportional and Integral
Temperature Setting Resolution	0.1°C digital with buttons
Setting Temperature Range	7 – 35°C
Temperature Resolution	1/16 °C
Max Amplitude	0,5 °C

#### **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.**