GB

MILUX

General safety information

The instructions described in this manual must be observed. Failure to comply with theses instructions will result in material damages, injury or fatal accidents.

⚠ This product must be used exclusively to regulate heating installations. Other use is not compliant

Contents

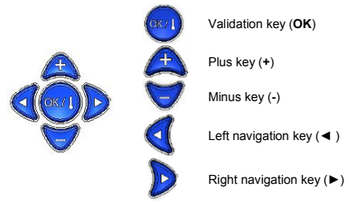
1. Product characteristics

- Weekly programmation by 1 hour step
- 9 built-in programs
- 4 user programs
- Program graphic display
- Room temperature and time display.
- Comfort / Reduced / Anti-freeze temperatures.
- Temporary temperature override
- Automatic or Manual operation
- Holiday function
- Keypad lock function (child safety)
- Battery operated > 2 years
- Low battery pictogram
- Battery replacement without loss of the program memory except the hour
- « O / I » switch for standby mode
- Intelligent Temperature Control System function (optional): ITCS

2. Display

[**1**] : Operating mode menu
[**2**] : Temporary temperature override
[**3**] : Heating indicator
[**4**] : Room temperature or set temperature
[**5**] : Cooling indicator
[**6**] : if displayed, [**4**] indicates the ambient temperature
[**7**] : Holiday function activated
[**8**] : Current day graphic program
[**9**] : Hour
[**10**] : Day of the week (only available on weekly version)
[**11**] : Low batteries

3. Keypad



Validation key (**OK**)

Plus key (**+**)

Minus key (**-**)

Left navigation key (◄)

Right navigation key (►)

4. First use

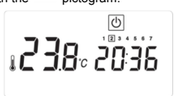
- Check that the battery protection is well removed.
- Put the switch on « I » position (see chapter 5- stanby switch))
- Adjust the date and the hour (see chapter 6.1 TIME SETTING menu)
- The thermostat is ready for operation. The default operating mode is the automatic mode Auto with the factory program "**P1**",(see the detailed program "**P1**" in the annexes).

You can customize your program as you want. To do so, refer to chapter 6.5 PROGRAM Menu.

5. Standby switch

This switch is located under the product as shown below:

To put the product in standby, put the switch on « **O** » position. The screen switches off to reduce battery consumption. The keys (**+**), (**-**), (◄) and (►) become inactive. A press on (**OK**) key allows displaying briefly the ambient temperature and the hour, together with the ⏻ pictogram:



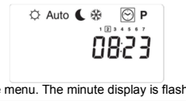
To activate the product, put the switch on « **I** » position. During 3 seconds, the software version will be displayed. Then, the thermostat comes back in the selected operating mode before the standby.

⚠ **WARNING: In this standby mode, your installation can freeze.**

6. Operating modes

Use the navigation keys (◄) or (►) to change the operating mode.

6.1. TIME SETTING menu :



Press (**OK**) to enter in the menu. The minute display is flashing.

➢ Set minute value with (**+**) and (**-**) keys ➢ Press (**OK**) key to validate.	
➢ Set hour value with (**+**) and (**-**) keys ➢ Press (**OK**) key to validate. ((►) key allows to return to the minute setting)	
Weekly version ➢ Set day value with (**+**) and (**-**) keys (1=monday, 2=tuesday, …) ➢ Press (**OK**) key to validate	1 2 3 4 5 6 7

6.2. COMFORT Mode :

In this mode, thermostat applies comfort setpoint temperature indefinitely. By pressing (**+**) or (**-**) keys, setpoint temperature flashes and can be adjusted:

The ambient temperature is displayed after few seconds:

A press on (**OK**) key allows the displaying of comfort setpoint temperature.

To apply temporarily comfort mode, use the special function « HOLIDAY ».

6.3. REDUCED Mode :

In this mode, the thermostat applies reduced setpoint temperature indefinitely

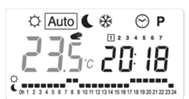
By pressing (**+**) or (**-**) keys, setpoint temperature flashes and can be adjusted like the COMFORT temperature. The ambient temperature is displayed after few seconds. A press on (**OK**) keys allows the displaying of reduced setpoint temperature.

To apply temporarily reduced mode, use the special function « HOLIDAY ».

6.4. AUTOMATIC Mode : Auto

The thermostat follows the chosen program (see chapter 6.5 for the program selection / edition) with respect to current hour.

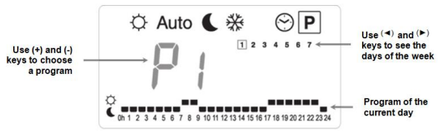
By pressing (**+**) and (**-**), an overriden temperature can be adjusted until the next program step:



The pictogram is displayed.
At the next program change, the pictogram will disappear and the program will carry on.

6.5. PROGRAM Menu: P

Press (+) or (-) keys to choose a program number:



= Comfort setpoint temperature set in the COMFORT mode
= Reduced setpoint temperature set in the REDUCED mode

➢ If you select a built-in program « P1 to P9 », press (**OK**) key to apply this program in the automatic mode Auto.

A light weekly programs description is given below:

Number	Description
P1	Morning, Evening & Week-end
P2	Morning, Midi, Evening & Week-end
P3	Day & Week-end
P4	Evening & Week-end
P5	Morning, Evening (bathroom)
P6	Morning, Afternoon & Week-end
P7	7h - 19h (Office)
P8	8h - 19h, Saturday (Shop)
P9	Week-end (Secondary House)

A detailed programs description is given in annexes.

➢ If you select a user program « **U1 à U4** », press (**OK**) key to enter in edition mode :

With navigation keys (◄) and (►), move the blinking cursor on the hour of the day that you want to modify.
When the day seems to be correctly edited, press (**OK**) key.

Daily version: the day's program is validated for every day of the week.

Weekly version: you switch to the next day edition. By validating the day 7, you validate the program edition. This program will be followed by your thermostat in automatic mode Auto (see chapter 6.4).

6.6. ANTIFREEZE Mode :

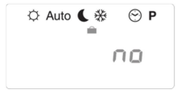
In this mode, the thermostat applies antifreeze setpoint temperature indefinitely. By pressing (**+**) or (**-**) keys, setpoint temperature flashes and can be adjusted like the COMFORT temperature. The ambient temperature is displayed after few seconds. A press on (**OK**) keys allows the displaying of the antifreeze setpoint temperature.

To apply temporarily the antifreeze mode, use the special function « HOLIDAY ».

7. Special functions

7.1. HOLIDAY function :

Go to HOLIDAY mode by using navigation keys (◄) and (►). The pictogram and the text "**no**" must flash:

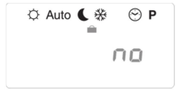


You can adjust the duration. Press (+) or (-) keys to adjust hour number (H) if it is less than 24 hours, then the day number (d).

With navigation keys (◄) and (►), select the comfort or reduced or antifreeze mode. The pictogram and the remaining number of hours / days will be displayed until the period's end:

Once completed, the thermostat will switch on automatic mode Auto.

To stop holiday mode before the period's end, go to HOLIDAY menu with navigation keys (◄) and (►). pictogram and the remaining time flash. Use (-) key to display "**no**" and validate with (OK) key.

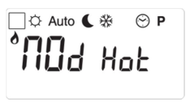


7.2. Keypad lock

This is a prevention function against any parameter change. It is valid in comfort, automatic Auto, reduced and antifreeze mode.
To lock the keypad, maintain (**OK**) key pressed then press on (**-**) or (**+**) keys. LOC CODE is displayed.
To unlock the keypad, maintain (**OK**) key pressed then press on (**-**) or (**+**) keys. UN LOC is displayed.

7.3. Cooling function :

You can use your MILUX RF to control a cooling system (air-conditioner…). To change thermostat operating mode, move the cursor on the comfort menu with navigation keys (◄) and (►). Then, maintain (**OK**) key pressed and press simultaneously on (◄) key. One of the below screens must appear:



Use (**+**) or (**-**) keys to modify the operating mode. Press (►) key to come back to the main screen and to validate your selection.

In cold mode "COLD", the antifreeze mode is removed.

7.4. RESET function :

This function is used to erase all programs and to restore the default manufacturing parameters.

Go to TIME SETTING menu, maintain (**OK**) key pressed during 10 seconds. All display's segments will light up. It will demonstrate that the thermostat is in reset phase. Once completed, the thermostat restarts in the delivery configuration with the following default settings:

- **U1 to U4** programs reset all in comfort.

- In heating mode :

Setting temperatures: **21°C, 17°C, 6°C.**

- In cooling mode:

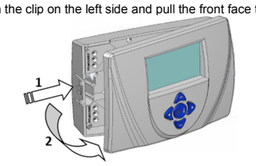
Setting temperatures: **22°C, 24°C**

⚠ **WARNING: Remember to adjust time value after the reset (see chapter 6.1)**

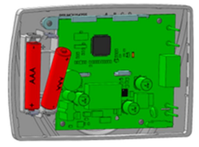
8. Battery replacement

Once the low battery pictogram is displayed, you have to replace the batteries.

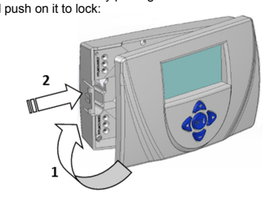
- Put on the clip on the left side and pull the front face to remove it :



- Replace the both batteries:



- Close the thermostat by placing the front face in front of the rear face and push on it to lock:



⚠ **WARNING: Remember to adjust the value of the time after the reset (see chapter 6.1)**

9. ITCS function (optional)

Your thermostat has an **Intelligent Temperature Control System** (ITCS). It will activate your installation in advance to ensure the desired temperature at the hour programmed following your weekly program.
To operate, this Intelligent Temperature Control System realizes automatically several time measurements. When you switch on your thermostat for the first time, a time measurement taken to reach the setting temperature is realized. This time will be adjusted by new measurements at each program change to adapt with outside temperature evolution. Then, you can program your thermostat without advancing the switch on times because it will be done automatically for you.

10. Technical characteristics

Environment. (Temperatures) Operating temperature: Transport and storage :	 0°C - 40°C -10°C to +50°C
Measurement precision	0.1°C
Set temperature range : Comfort and Reduced Antifreeze	 5°C - 35°C by 0,5°C step 0,5 - 10°C by 0,5°C step
Regulation characteristics	Cycle (PWM): 15 minutes for 2°C with Anti-short cycle of 3 minutes in OFF and 2 minutes in ON.
Electrical Protection	Class II - IP30
Batteries & **Operating life**	2 LR3 AAA 1.5V Alkaline batteries ~ 2 years
Sensible elements: Internal	 NTC 10k ohms at 25°C
Connection	3 points screw connector in the bottom of the case
Max. switching current/voltage	5A/400 VAC resistive
CE Directives Your product has been designed in conformity with the European Directives.	EMC 2004/108/EC RoHS 2011/65/EU
Product conformed to : **Classification :** **Contribution :**	UE 811/2013 and 2010/30/UE IV (2%)

11. Problems and solutions

My thermostat doesn't switch on	
Battery problem	- Check that the batteries protection is well removed. - Check the direction of the batteries. - Check the batteries charge - Check the switch position
My thermostat displays an error message	
Sensor problem	The message Err is displayed and the pictogram flashes (ambient sensor)
Low batteries	The pictogram flashes - Replace the batteries
My thermostat seems to operate correctly but the heating doesn't function correctly	
Output	- Check the receiver connections. - Check the power supply of the heating element.

⚠ In case of persistent problems, contact your installer or seller.

12. Recycling

Electrical and electronic out of order appliances must be collected separately by using specific systems in your country.
Batteries should not be recycled with household waste but collected in suitable collection systems

13. Annexes

Comfort = ☼
Reduced = ☾
= daily version