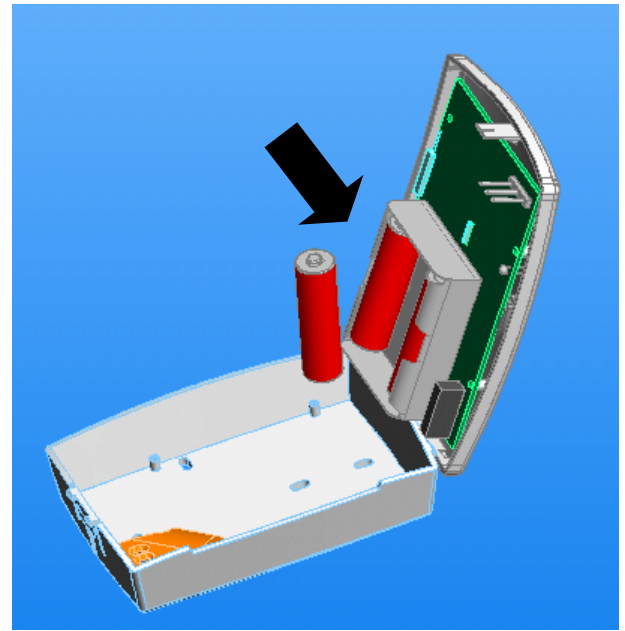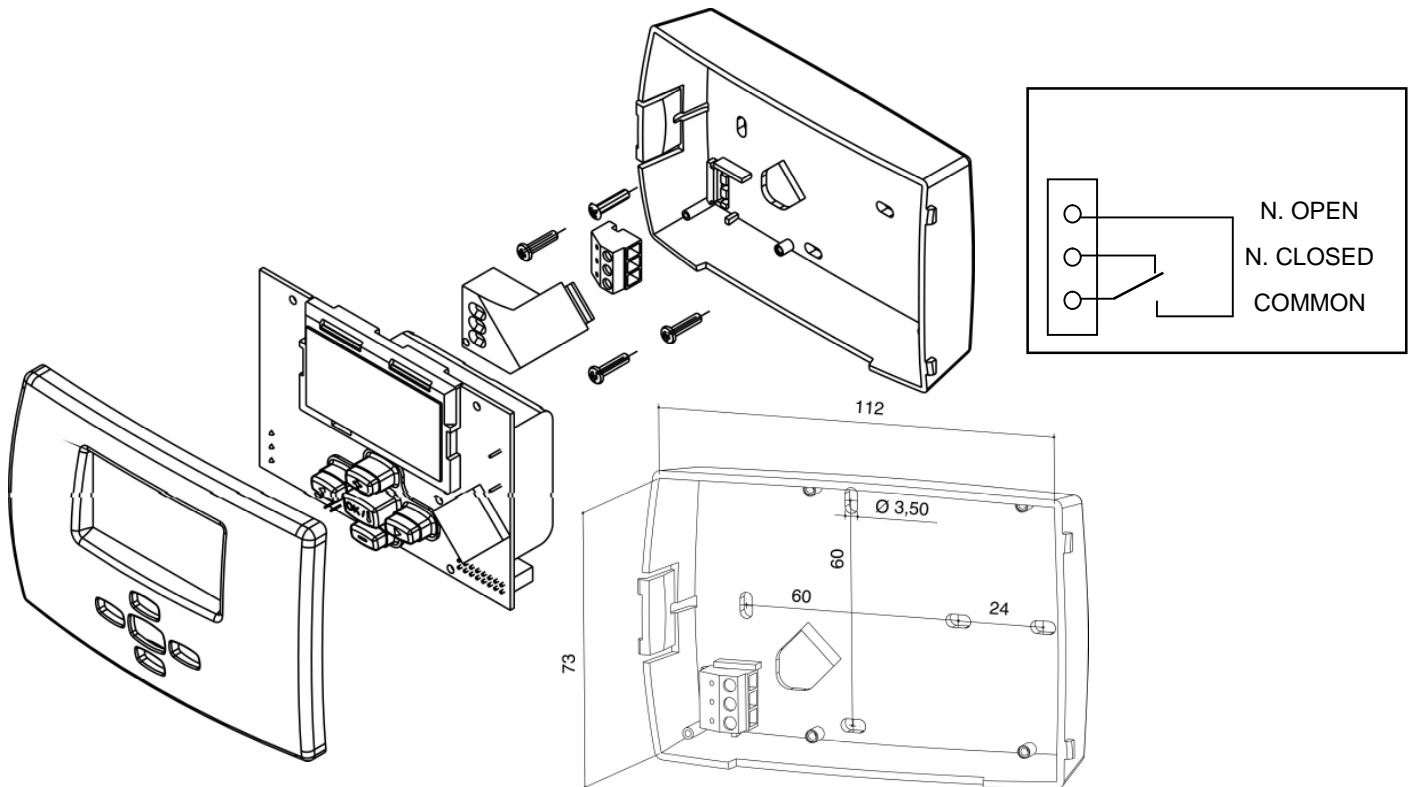Open the front panel by pressing on then left side button. Then remove the front panel by opening it like a window. You now have access to the batteries

Replace the three LR6 AA 1.5V batteries with new ones (Alkaline cells recommended)
IMPORTANT: You have 1 minute to change the batteries

N. OPEN
N. CLOSED
COMMON

112

Ø 3,50

60

60

24

73

TECHNICAL CHARACTERISTICS

Measured temperature precision	0.1°C (or 0.1°F)
Set temperature precision	0.5°C (or 0.5°F)
Set temperature range	5°C - 35°C for comfort and reduced, 0,5°C – 10°C for anti-freeze
Regulation characteristics	- regulation speed: 7.5 cycle per hour (cycle of 8 minutes)
	- regulation band: 2°K of proportional band (with adjusted power)
Driving element	8A RELAY (with normally ON and normally OFF contacts).
Connection	3 points screw connector on the rear part of the box.
Batteries	3x LR6 AA 1.5V Alkaline batteries.

WATTS INDUSTRIES®

MILUX Chrono-thermostat

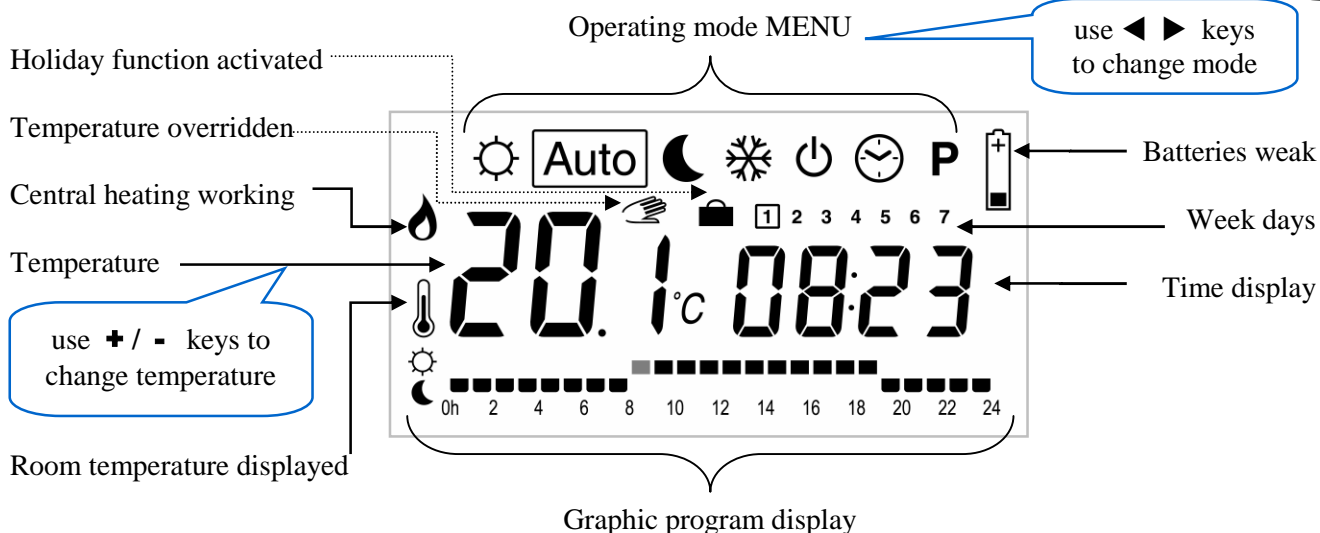## OVERVIEW

The **MILUX** Chrono-thermostat is a programmable digital thermostat able to control and regulate directly the central heating (Electric, Gas, Oil) or a cooling system.
It's programmable function enables power savings in accordance to your every day life during a day or a week.

FEATURES

- 7 days program (except for 1 day version)

- 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

- Select HOT or COLD operation

- Easy wiring (2 conductor wire)

- Keypad lock function (children safety)

- Battery powered to prevent loss of program and time during power cuts

- Battery weakness monitoring
- Battery replacement without loss of program

- Reset function

WATTS ELECTRONICS®

Operating mode MENU

use ◄ ► keys to change mode

Holiday function activated

Temperature overridden

Central heating working

Temperature

use **+** / **-** keys to change temperature

Room temperature displayed

☼ Auto ☾ ❄ ⏻ ⊙ P

20.1°c **08:23**

1 2 3 4 5 6 7

0h 2 4 6 8 10 12 14 16 18 20 22 24

Batteries weak

Week days

Time display

Graphic program display

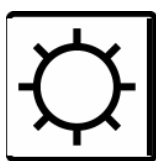## QUICK START · Short and intuitive instructions

With ◄ ► keys Slide the frame ⬚ in the top MENU to change operating mode (see Modes description below)

With **+** / **-** keys change set temperature or adjust what is blinking on the screen

With **OK** / 🌡 key switch between 🌡 actual room temperature and set temperature or validate an adjustment

First go to ⊙ set clock and adjust time (use **+/ -** to adjust minutes, press **OK**, adjust hours, **OK**, adjust days, **OK**)

Go to **P** program menu and select built-in week program *P1* to *P9* (or edit user program *U1* to *U4*, see below)

Go to ☼ comfort mode and adjust comfort temperature required with **+/ -** keys (Default comfort temp. is 21°C)

Go to ☾ reduced mode and adjust reduced temperature required with **+/ -** keys (Default reduced temp. is 17°C)

Finally go to Auto automatic mode. Your **MILUX** Chrono-thermostat is now working and following the program.

MODES DESCRIPTION · Instruction details for each operating mode

Manual COMFORT operating mode :
Force comfort temperature operation indefinitely or for a few hours or days (see Holiday function). By pressing **+** or **-** key the comfort temperature start to blink and can be adjusted. If you wait a few seconds the 🌡 actual room temperature reappears. MILUX regulation will now follow comfort temp.

AUTOMATIC operating mode :
MILUX Chrono-thermostat will follow automatically the program in accordance to the actual time. By pressing **+** or **-** key you can override the current set temperature until the next change in the program. The ✍ segment will lit up. Use **+** / **-** keys to adjust the temporary required temperature. At the next program change the ✍ will disappear and the program continues without any alteration.

Manual REDUCED operating mode :
Force reduced temperature operation indefinitely or for a few hours or days (see Holiday function). By pressing **+** or **-** key the reduced temperature start to blink and can be adjusted. If you wait a few seconds the 🌡 actual room temperature reappears. MILUX regulation will now follow reduced temp.

Manual ANTI-FREEZE operating mode : (only for Heating systems, HOT operation selected)
Force anti-freeze operation indefinitely or for a few hours or days (see Holiday function). By pressing **+** or **-** key the anti-freeze temperature start to blink and can be adjusted. If you wait a few seconds the 🌡 actual room temperature reappears. MILUX will keep temperature above freezing.

OFF mode:
Use this mode if the Heating or cooling installation needs to be turned OFF.
MILUX Chrono-thermostat will switch off the installation and then switch itself OFF (blank).
User programs are saved, time is kept running and battery consumption becomes very low.
Any key will wake up the MILUX. The **OK** / 🌡 key displays the 🌡 actual room temperature.
DANGER : IN THIS MODE YOUR INSTALLATION CAN FREEZE because MILUX thermostat is stopped.

Set CLOCK menu :
Use this menu to adjust the MILUX clock to the actual time.

use +/- to	*08:23*	Press	use +/- to	*08:23*	Press	use +/- to	*08:23*	Press
adjust minutes		**OK**	adjust hours		**OK**	adjust days		**OK**

PROGRAM menu :   By pressing **+** or **-** key the Program number start to blink,

☼ Auto ☾ ❄ ⏻ ⏲ **P**

then use **+/-** to select program

and use ◄ ► to see the other days in the program

Shows the daily program

If you select a built-in program *P1* to *P9* and press **OK** this program will be followed in Auto
If you select an user program *U1* to *U4* and press **OK** you will enter the USER PROGRAM EDITION.

USER PROGRAM EDITION :   Current blinking cursor position

07:00

The **+** key sets ☼ temperature at the current blinking program hour
The **-** key sets ☾ temperature at the current blinking program hour

Use ◄ ► keys to slide the blinking cursor position in the day and modify or correct easily the program
When the displayed day is correct press **OK** to advance to the following day. When you press **OK** on the last day you will exit the User program edition and return to the top menu.

Now your user program will be followed if you put the MILUX in automatic operating mode Auto.

SPECIAL FUNCTIONS	Holiday / Keypad lock / Reset functions

💼 **HOLIDAY Function :**   only in ☼ comfort mode, ☾ reduced mode or ❄ anti-freeze mode

Use **+** or **-** keys to adjust the required set temperature. Then press **OK** to enter and adjust the Holiday period.
When the 💼 is blinking you can select with **+** or **-** keys the number of hours *01 H* or number of days *01 d*
before the MILUX automatically returns into automatic operating mode Auto and continues to follow the program.

KEYPAD LOCK Function : function to prevent children from playing and changing the MILUX parameters
In ☼, Auto, ☾, ❄ and ⏻ operating modes you can maintain the **OK** key pressed and
press simultaneously on the **+** or **-** key to lock (*Loc codE*) or un-lock (*Un Loc*) the keypad.

RESET Function :   Erases all user programs and sets the MILUX parameters to factory defaults
Go to ⏻ OFF mode, maintain **+** and **–** keys pressed and press simultaneously on the **OK** key. All the segments will lit up during a few seconds showing that the MILUX have been erased and restarted with factory defaults parameters.

Defaults parameters are :   ☼ 21°C   ☾ 17°C   ❄ 6°C   *U1* all comfort   HOT operation
Then re-adjust the time and follow the QUICK START instruction on the previous page.