

# ThermoPad User Manual

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## ThermoPad

Touch Screen

Control Panel

For HVAC Applications

## ThermoPad

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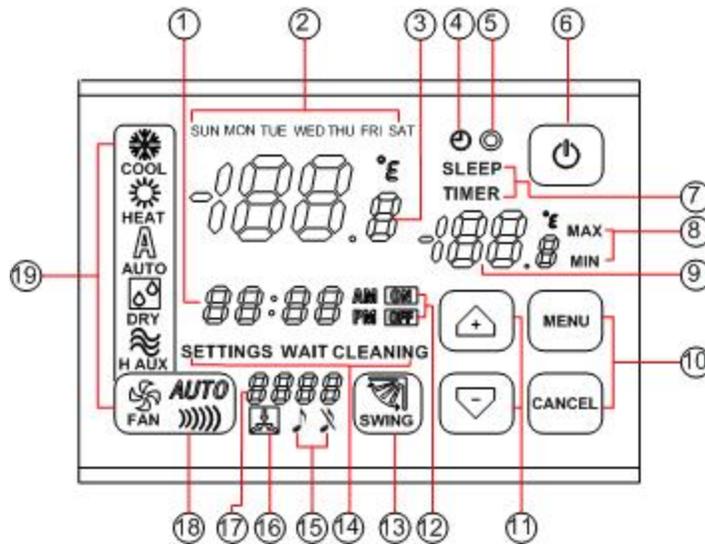
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# 1 General

## 1.1 Product description

ThermoPad is a control panel for air conditioning and heating of the space, it is installed in. The operation is performed by touching the signs on the LCD screen. When touching the screen, the back light will be lit for a few seconds to provide a more clear view of the signs. During this time a desired function should be selected by touching the screen at the appropriate zone. The back light will turn off few seconds after the last touch.

## 1.2 LCD explanation



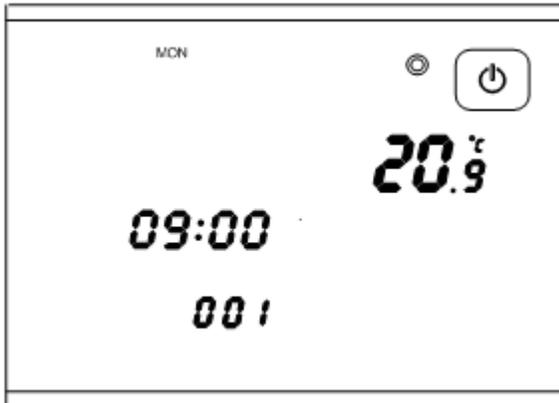
- |   |   |
|---|---|
| 1. Clock                                      | 11. Navigation arrows                                       |
| 2. Day of the week indication                 | 12. On/Off signs for different settings (used during setup) |
| 3. Set point temperature                      | 13. Swing function button                                   |
| 4. Timer Sign                                 | 14. Setup indication words (used in setup mode)             |
| 5. Proper communication indication            | 15. Sound on/off indication (currently not in use)          |
| 6. On/Off button                              | 16. Currently not in use                                    |
| 7. Timer/Weekly schedule indication           | 17. Malfunction indication                                  |
| 8. Temperature limitation on/off signs        | 18. Fan speed button  |
| 9. Room Temperature                           | 19. Operation mode buttons                                  |
| 10. "Selection" and "Cancel" settings buttons |   |

**NOTE** Not all the signs are lit all the time. Some of them appear at specified operations or at the initialization settings screens.

## 2 Functions and Operation

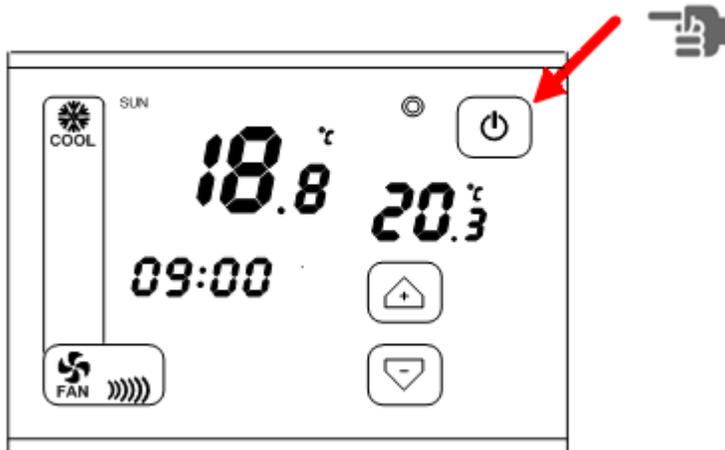
### 2.1 On/Off

When the ThernoPad is turned off, the screen will look as shown in the picture below.



**NOTE** When the appearance of clock and room temperature is disabled from settings it won't be shown also on the screen when the ThermoPad is off.

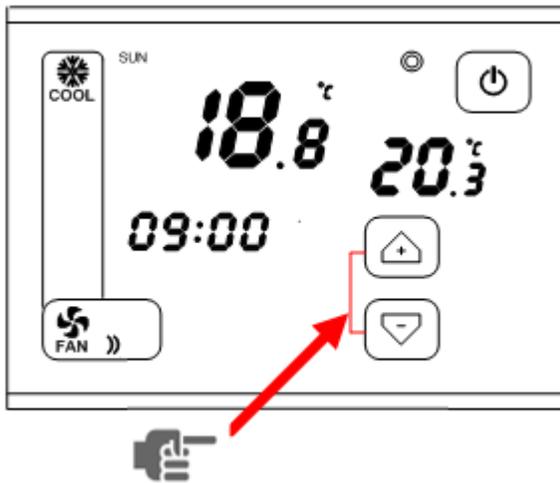
Turning the unit "on" is performed by pressing the button (6):



### 2.2 Set Point Temperature

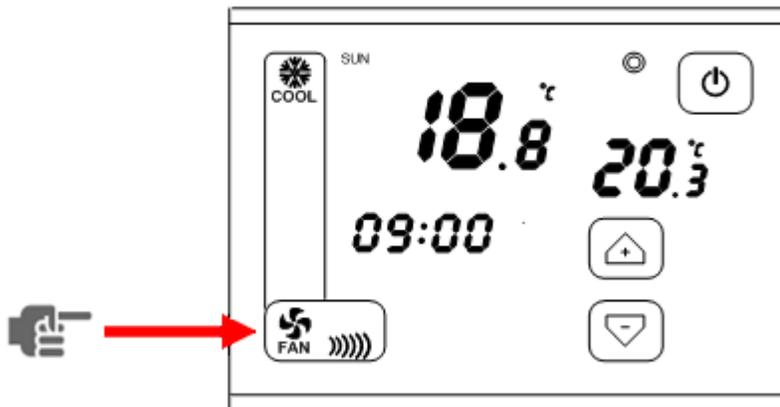
The set point temperature is shown at (3).

Changing the set point is performed by pressing on the navigation arrows (11).

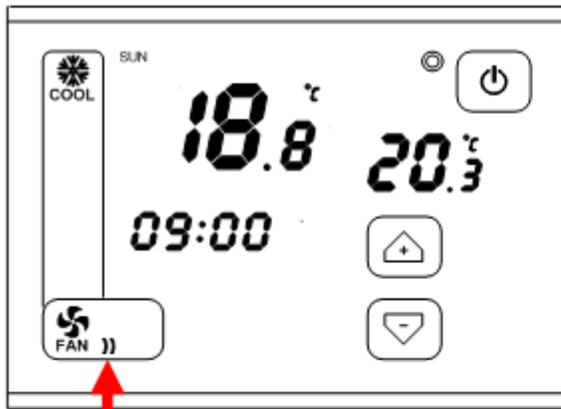


## 2.3 Fan Speed

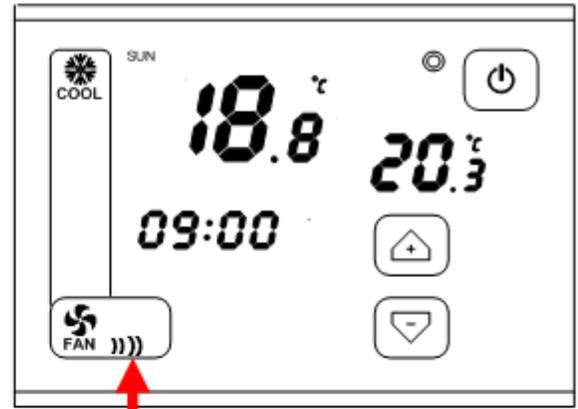
The current Fan Speed is shown at (18). The selection of the desired fan speed is performed by pressing the button (18). Each press selects the next fan speed.



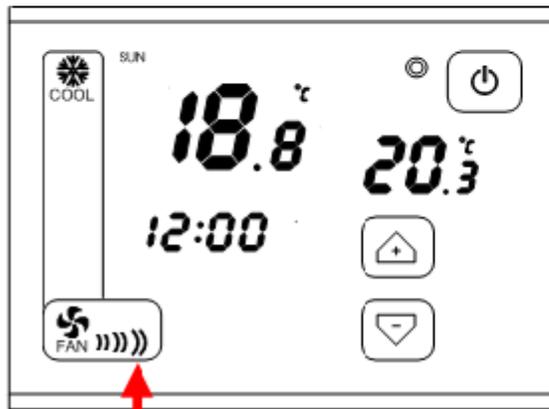
In general, ThermoPad allows to select 4 fan speeds: Low, Medium, High and Auto as shown on the pictures below.



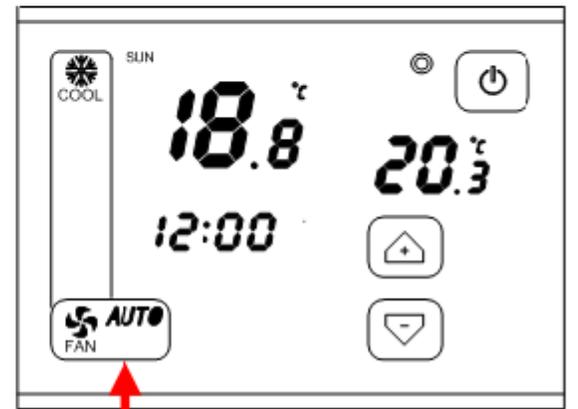
Fan speed: Low



Fan speed: Medium



Fan speed: High



Fan speed: Auto

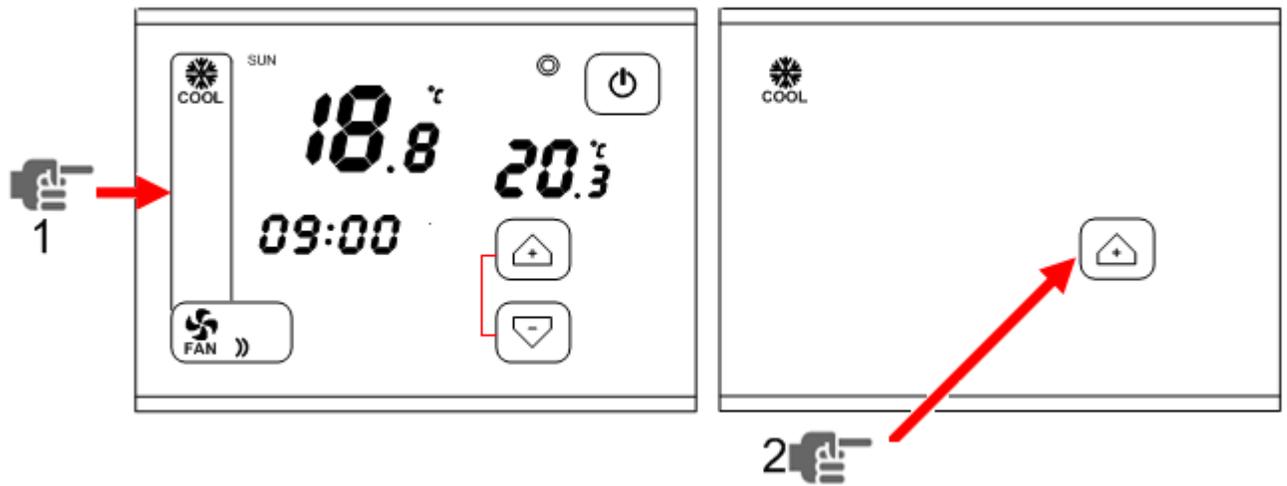
\*In some systems not all of the speeds are available.

## 2.4 Operation Mode

ThermoPad supports 6 operations modes: Cool, Heat, Auto, Dry, H\_Aux (Auxiliary heat) and Fan. The current operation mode of the system is shown on (19) and can be selected by the following procedure:

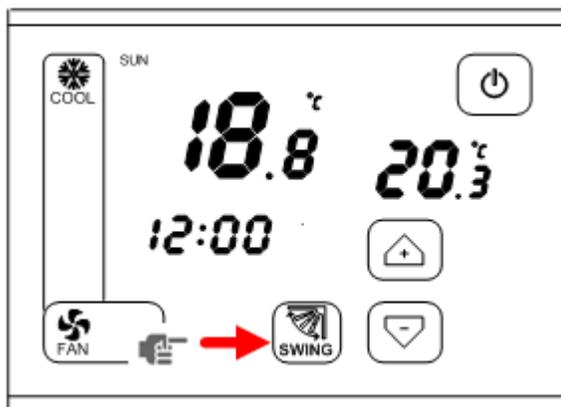
1. Pressing the button (19).
2. Selecting the required operation mode by navigation arrow (11).

The procedure is shown on the pictures below.



## 2.5 Swing

Swing select performed by pressing on button (13). The ThermoPad supports few steady states of the flaps (depending on air-conditioner modification). Each push on button (13) will change the flaps angle.



\*In some systems some states are not supported.

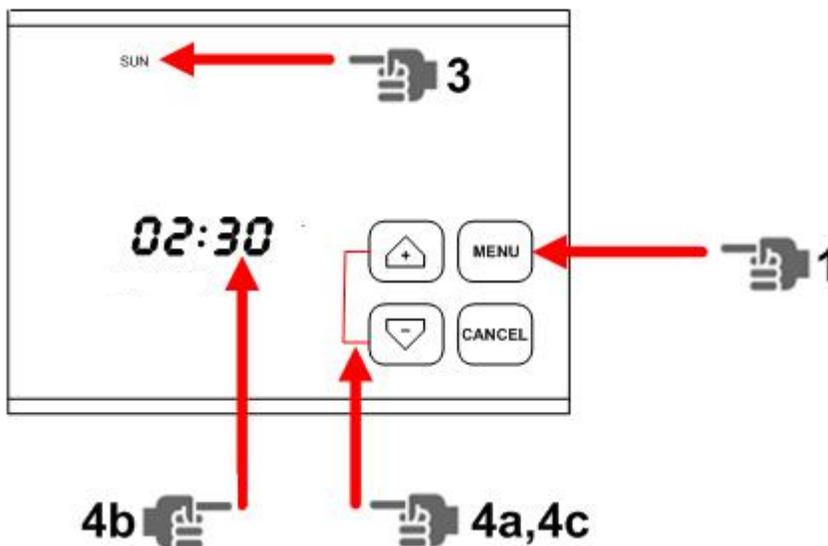
### 3 Timer Functions

#### 3.1 Time and Date Settings

Setting the correct time and day of the week is essential for timer (Sleep Timer) and Weekly Timer operations.

The procedure of setting the time and the day of the week is performed by the following steps.

1. Pressing on the empty upper space (10) will lit the "Menu" button. Pressing another 3 times at the same place will enter the time settings screen.
2. At this stage, the correct day of the week and minutes are blinking.
3. The day of the week can be selected by pressing at the area (2) at the required day, till the correct day is blinking.
4. The required time is configured by setting the "hours" and "minutes".
  - a. While "hours" (1) are blinking, the correct time is selected by the navigation arrows (11).
  - b. After setting the "hours", pressing on "minutes" will make "minutes" blinking.
  - c. At this stage, navigation arrows (11) are used for setting "minutes".



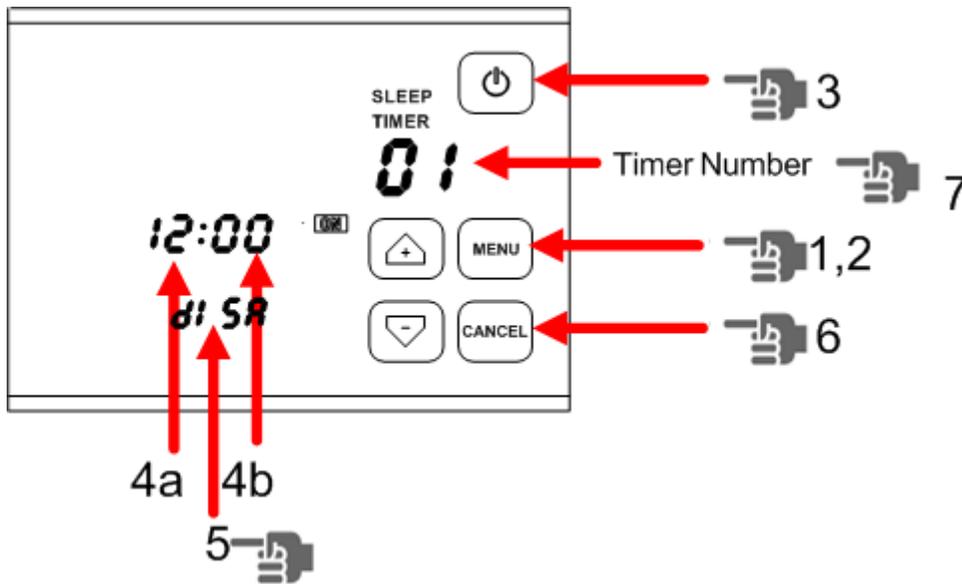
5. Pressing the "Menu" button (10) will save the settings and move ThermoPad back to the timer setting screen.
6. Pressing the "Cancel" button (10) will save the settings and return to the normal screen.

#### 3.2 Sleep timer settings

ThermoPad supports 4 timer operations (Sleep Timer). Each timer enables to turn the unit on/off by a preset "time period" from the current time.

The procedure of the programming is shown below.

1. Pressing on the empty upper space (10) will lit the "Menu" button. Pressing again at the same place will enter programming the timer mode and "Sleep Timer" note will appear on the screen (7).
2. Pressing the "Menu" button, the following screen will appear, where the timer number "01" is blinking.



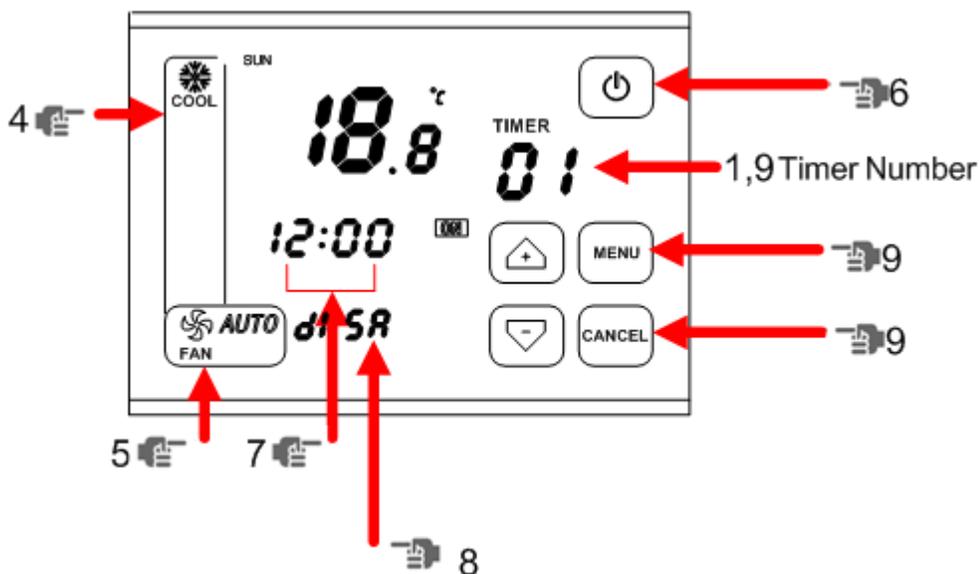
3. The operation status (On/Off) is selected by pressing the button (6).
4. The "time period" is selected by pressing first on the time area (1), and then navigation arrows (11).
  - a. When pressing on the "hours" area, it starts blinking. At this time the "hours" of the time period are selected.
  - b. When pressing on the "minutes" area, the minutes start blinking. At this time the "minutes" of the "time period" can be selected.
5. The timer should be activated or deactivated by pressing on "disable/enable" button (17). When timer is deactivated, "**di SR**" sign will appear on the screen (4). Each press on the area (4) changes the activation status between disable and enable.
6. Pressing on the "Timer Number" again will make it blink. At this point, using the navigation arrows (11) another timer can be chosen for programming.
7. Pushing the "Cancel" button (10) will save and exit the timer programming.
  - \* When the sleep timer is enabled, "clock" icon and "sleep" sign will appear on the main screen (as it shown on the following picture):



### 3.3 Weekly Schedule Settings

ThermoPad allows up to 50 "operations", based on a weekly timer. One "operation" can occur once (at one day) , or it can occur up to 7 times (if all days are selected). In each "Operation" the user can choose the operation status (on/off), operation mode (Cool, Heat, Dry, Auto, HAUX, Fan), Fan speed (Low, Medium,High, Auto), Set point temperature, and the occurrence (day of the week and time). Each "operation" can be initialized or disabled after the programming. The programming procedure is performed by the following steps.

1. Pressing on the empty upper space (10) will lit the "Menu" button. Pressing twice at the same place will enter programming the weekly timer mode and "Timer" note will appear on the screen (7). At this time, the day of the week (2) and the "timer number" (9) will blink.
2. In order to select the day (or several days) of the "operation", the required day should be pressed. The signs of the selected days are blinking (others are constantly lit). Blinking of any day note define this day as selected.
3. In order to select the set point temperature, the set point temperature area should be pressed (3). At this point it starts blinking and now it can be set by the navigation arrows (11).
4. The operation mode is selected by pressing at the "mode area" (19) till the desired operation mode is lit.
5. The fan speed is set by pressing at the fan speed button (18).
6. The operation status (on/off) is selected by pressing On/Off button (6).
7. The time of the operation is selected by pressing the time area (1). Pressing at "hours" will make it blink and can be set by the navigation arrows (11). After that, pressing at "minutes" will make the "minutes" blink and can be set by the navigation arrows (11).
8. At this stage the "operation" number 01 is deactivated, and the sign "**di SR**" lits behind the clock (17). Pressing on this sign will activate this "operation" and the "**EnRb**" sign will lit (17), which means - enable. Pressing again will deactivate this operation ("**di SR**" sign will appear again).
9. Pressing on the Timer number (9) will make it blink. At this stage, using navigation arrows (11) a second "operation" can be programmed.
10. Pressing "Menu" button (10) will save the data and move to the Timer Setting screen.
11. Pressing "Cancel" button (10) will save the data and move to the normal screen.



\* When the timer is enabled, "clock" icon and "timer" sign will appear on the main screen (as it shown on the following picture):

