

# ThermoPad



## User Manual



Please read these instructions carefully and take care to use this equipment correctly. Store these instructions safely for future reference.

Be sure to pass these instructions and the corresponding installation instructions to anyone subsequently appointed to maintain this equipment. Installation and relocation of this equipment should be carried out by qualified persons only. Attempts by end users to install or move this equipment may lead to unsafe conditions or improper operation.

CONTENTS

1. Safety Precautions	3
2. LCD Description – Parts Names	4
3. ON/OFF Settings	7
4. Setting the Temperature	8
5. Setting the Fan Speed	9
6. Setting the Operation Mode	10
7. Setting the Current Date and Time	11
8. Setting the Sleep Timer	14
9. Setting the Weekly Schedule Timer	16

# 1. SAFETY PRECAUTIONS

Thank You for purchasing the ThermoPad

Read this manual carefully and be sure you understand the information provided before attempting to use the product

Keep this manual where it is readily accessible after reading it through. If another user operates the product in the future, be sure to hand over this manual to the new user



Do not install the ThermoPad by yourself, consult a qualified engineer

Do not relocate or reinstall the ThermoPad by yourself, consult a qualified engineer

Do not touch the ThermoPad with wet hands

Do not use the ThermoPad in extreme environment (places exposed to oils, steam, excess sun)

Do not press any button using a sharp object ( a ball pen is acceptable)

Do not wash the ThermoPad.

Never Let the ThermoPad get wet.

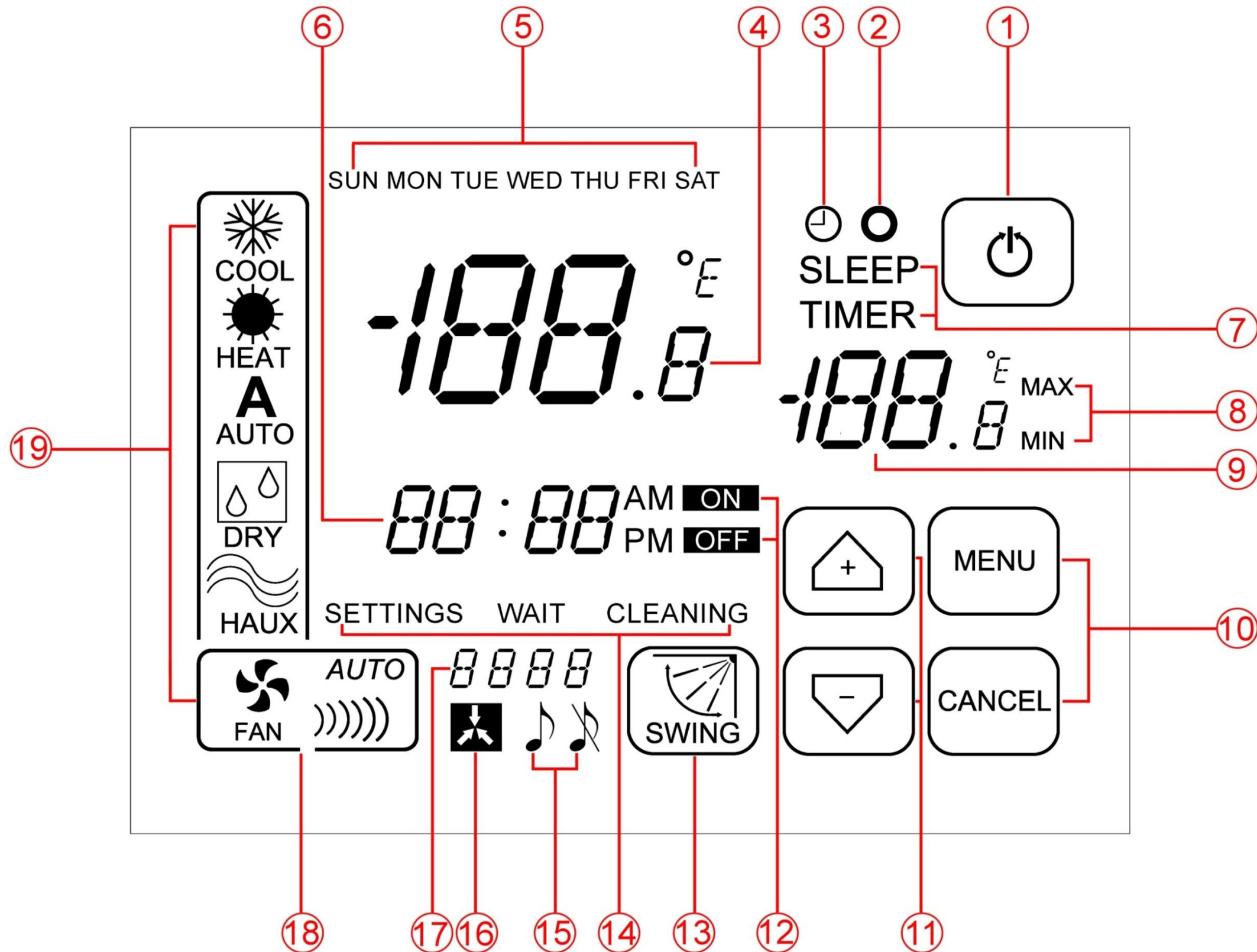
Do not clean the ThermoPad with benzene, thinner or other chemicals

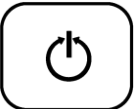







Do not modify or repair the ThermoPad





Do not use flammable materials (e.g., hairspray or insecticide) near the product.

Do not disassemble the ThermoPad

## 2. LCD Description – Parts Names



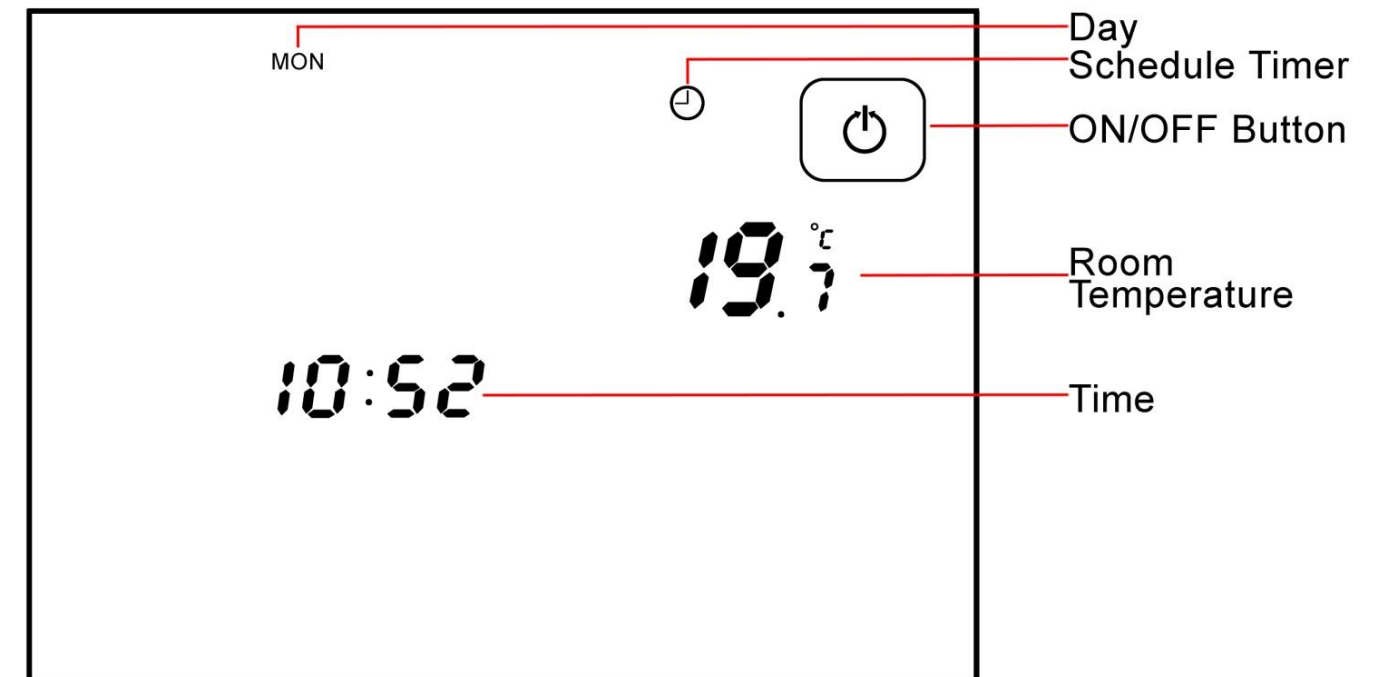
1	<b>ON/OFF Button</b> <i>Press the ON/OFF button to start or stop the system</i>	
2	<b>Modbus Communication Indicator</b>	
3	<b>Schedule Timer Icon</b> <i>Indicates that a Timer is enabled</i>	
4	<b>Set Temperature Display</b> <i>Shows the Set Temperature</i>	22 °C
5	<b>Day of the Week Indicator</b> <i>Shows the current day of the week (or the set day when programming the schedule timer)</i>	SUN MON TUE WED THU FRI SAT
6	<b>Clock Display</b> <i>Indicates the current time (or the set time when programming the schedule timer)</i>	88:88 <sup>AM</sup> <sub>PM</sub>
7	<b>Timer Indicator</b> “ <b>SLEEP TIMER</b> ” – Single Instance Timer Setup “ <b>TIMER</b> ” – Weekly Schedule Setup	SLEEP TIMER
8	<b>Minimum / Maximum Temperature</b> <i>Used to program Temperature restrictions (currently not in use)</i>	MIN MAX
9	<b>Room Temperature</b> <i>Indicates the Room Temperature</i>	19.7 °C
10	<b>MENU Button</b> <i>Used to Enter Setting Mode for Date, Time, Sleep Timer, Schedule Timer etc.</i> <i>Is displayed when touch next to Navigation Button </i> <b>CANCEL Button</b> <i>Touch to SAVE and EXIT</i>	 MENU  CANCEL
11	<b>Navigation Buttons UP/DOWN</b> <i>Used to adjust Operation Mode, Temperature Set point, Date and Time</i>	 

12	<b>ON / OFF Settings</b> <i>Used while setting the timers to activate/deactivate the Timers</i>	<b>ON</b> <i>Timer Active</i> <b>OFF</b> <i>Timer NOT Active</i>
13	<b>Swing Option Button</b>	
14	<b>Setup Indicators</b> <i>Displayed in some Setup Modes</i>	SETTINGS WAIT CLEANING
15	<b>Sound on/off indication</b> <i>(currently not in use)</i>	
16	<b>Currently not in use</b>	
17	<b>Malfunction indication</b>	8888
18	<b>Fan speed button</b> <i>Indicates the Fan Speed Settings, touch to change (Low, Medium, High &amp; Auto)</i>	 <i>AUTO</i> ))))))
19	<b>Operation Mode Icon</b> <i>Indicates the current operation Mode (Cool, Heat, Dry, Automatic, Auxiliary Heating &amp; Fan)</i>	

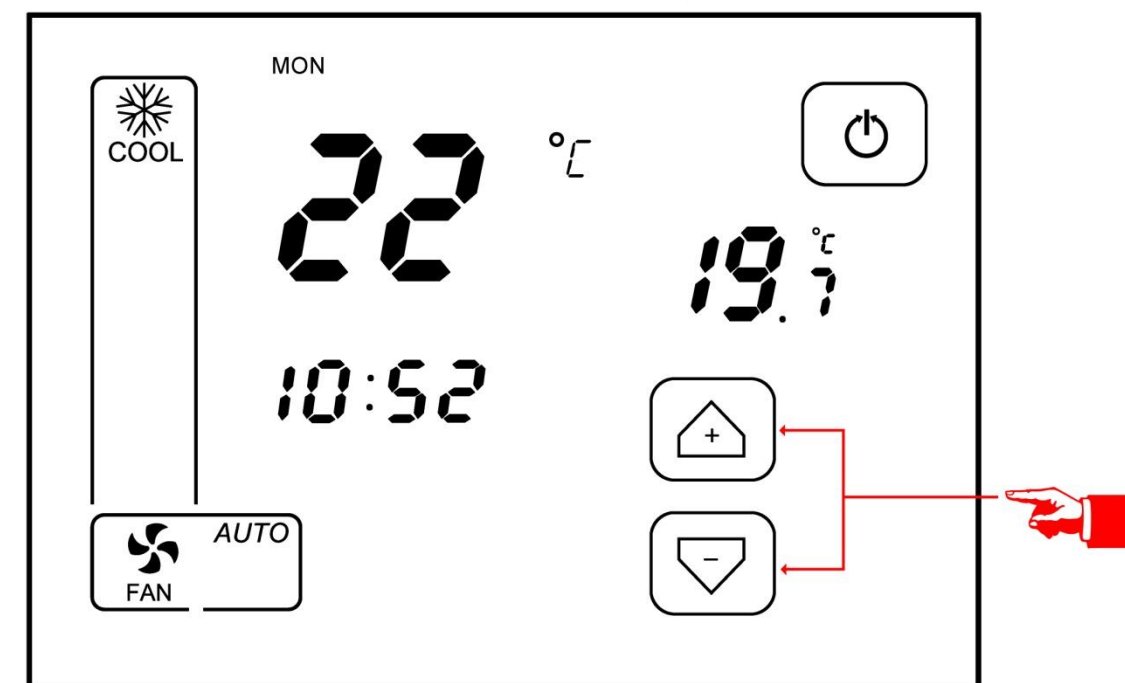
### 3. ON / OFF SETTINGS

When the ThermoPad is switched OFF, the screen will display the **ON/OFF Button, Schedule Timer, Room Temperature, Day of the week and Time.**

**NOTE:** In OFF Mode, if the Clock display, Room Temperature and Schedule Timer are Disabled, the Screen will show only the ON/OFF Button



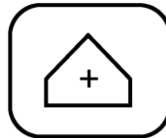
Press the ON/OFF Button to switch the unit ON or OFF



## 4. SETTING THE TEMPERATURE

To change the Set Temperature use the Navigation Buttons

To raise the Room Temperature press



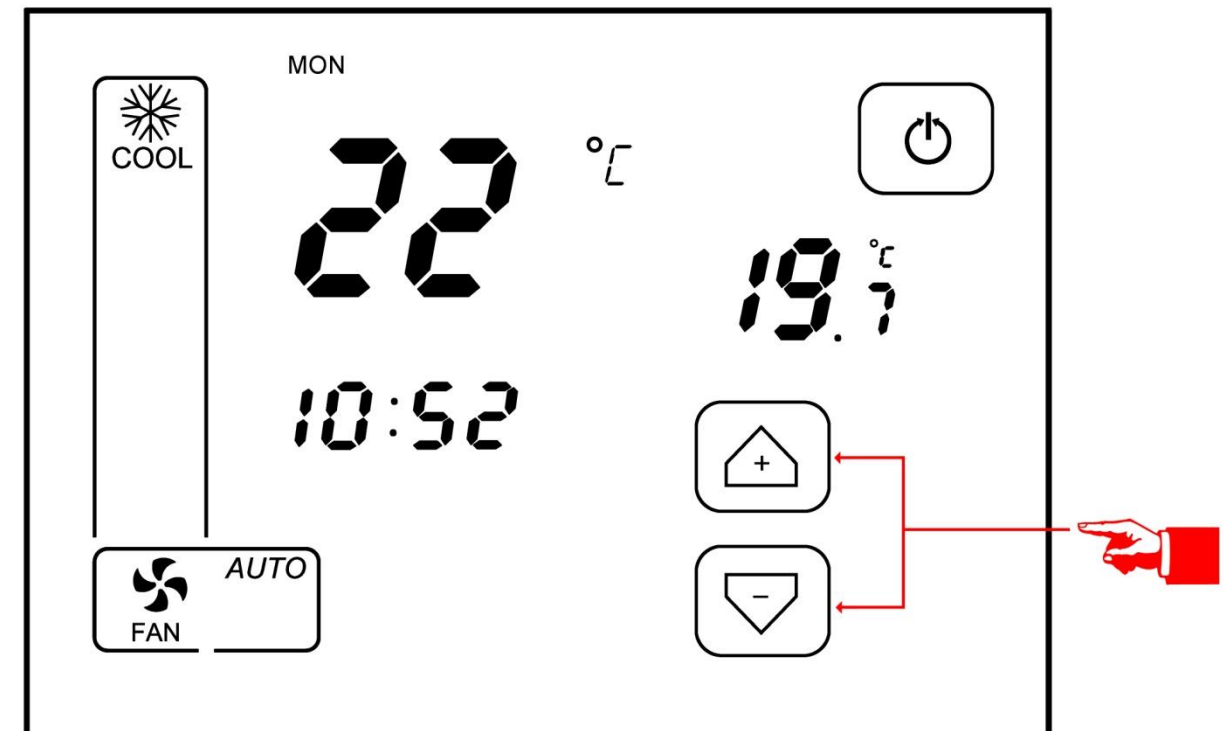
To lower the Room Temperature press



The set temperature changes 1°C each time the button is pressed

When the Button is held down, the Set Temperature advances or reswitchs continuously.

A characteristic BEEP sound will support every touch.

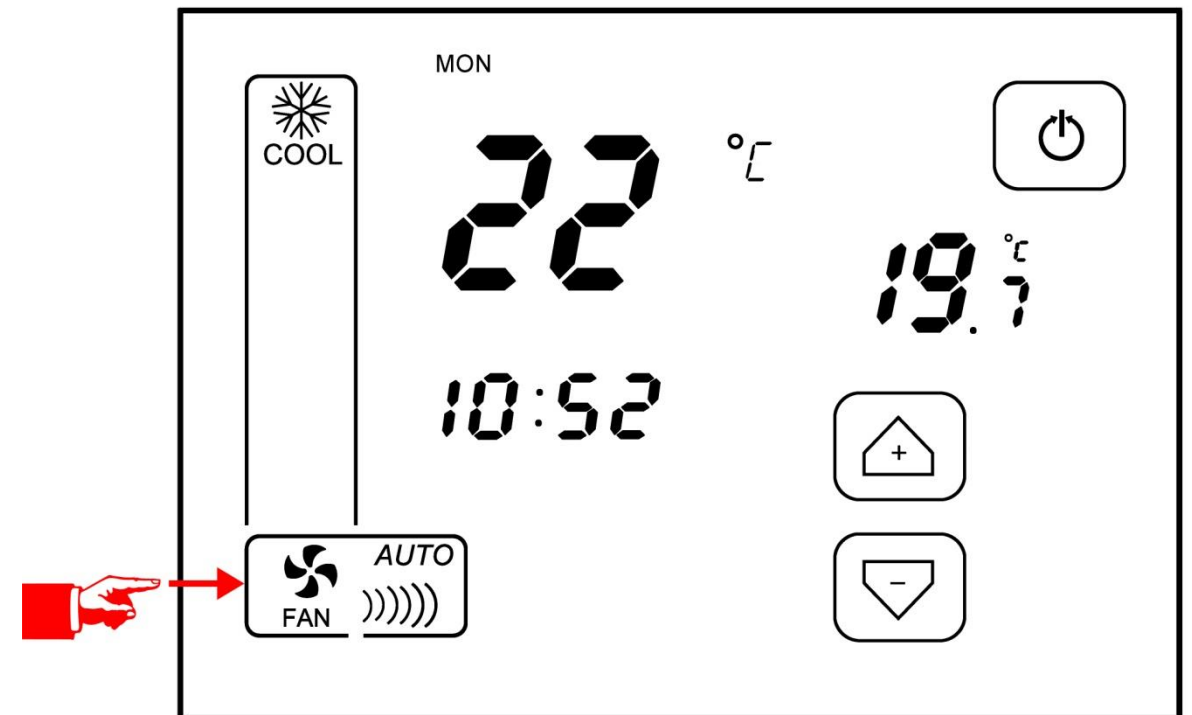




## 5. SETTING THE FAN SPEED

Depending on the Type of Air Conditioning, ThermoPad allows selection of up to 4 Fan Speed settings: Low, Medium, High & Auto.

To change the Fan Speed use the Fan Speed Button



Fan Speed **LOW**



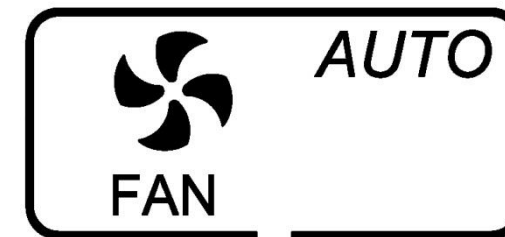
Fan Speed **HIGH**



Fan Speed **MEDIUM**



Fan Speed **AUTO**



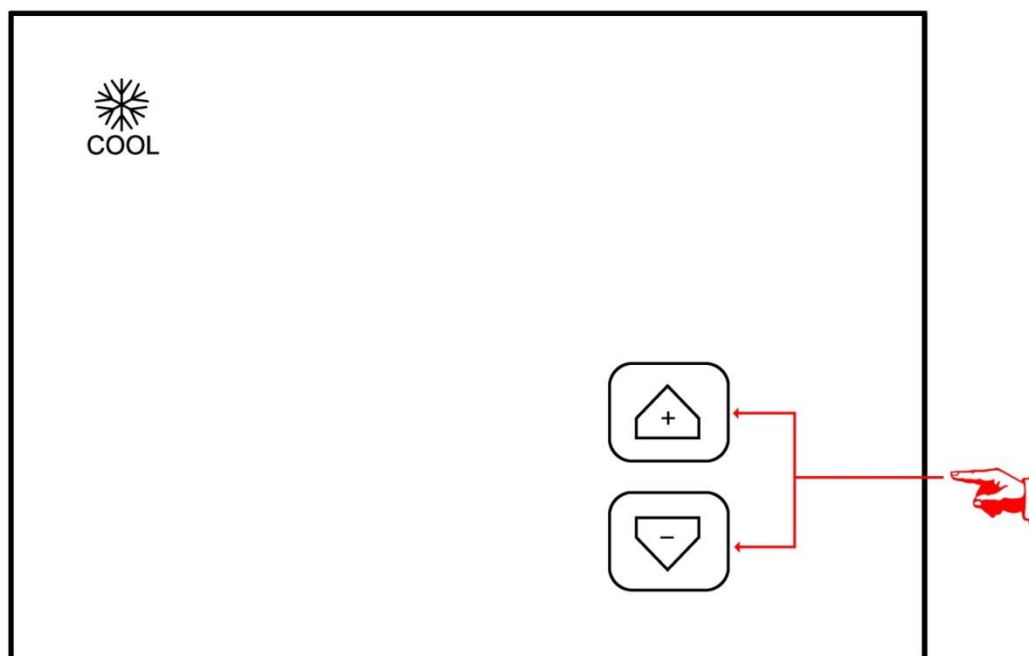
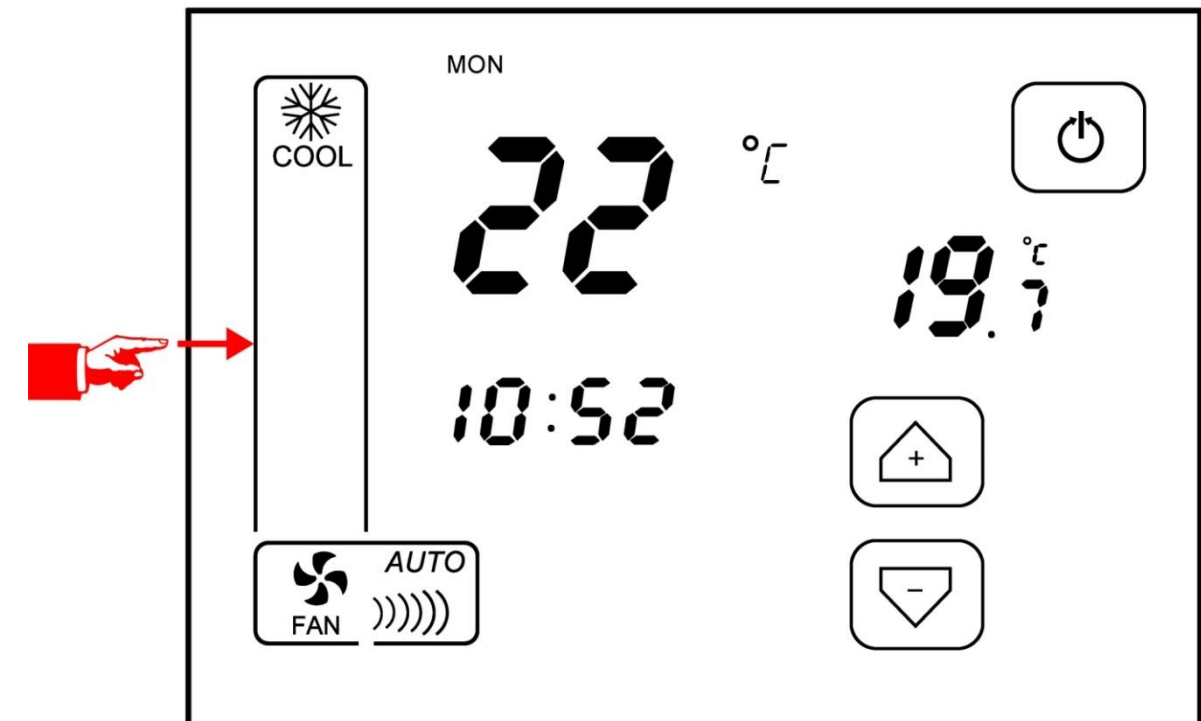
## 6. SETTING THE OPERATION MODE

Depending on the Type of system, ThermoPad allows to select up to five Operation Mode functions: COOL, HEAT, AUTO, DRY, HAUX & FAN

To select / change the Operation Mode press the **OPERATION MODE** Icon. The OPERATION MODE Screen will display .

The Operation Mode Screen display will be active for 3 seconds after which will return to Default Mode.

Using the **NAVIGATION BUTTONS** Choose the Operation Mode Desired



COOL → Cooling Operation Mode

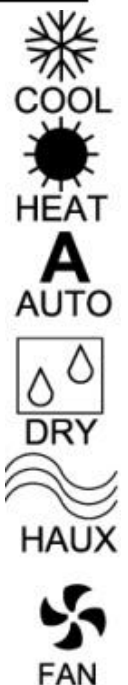
HEAT → Heating Operation Mode

DRY → Dry Operation Mode

AUTO → Automatic Operation Mode

HAUX → Auxiliary Heating Operation Mode

FAN → Fan Operation Mode



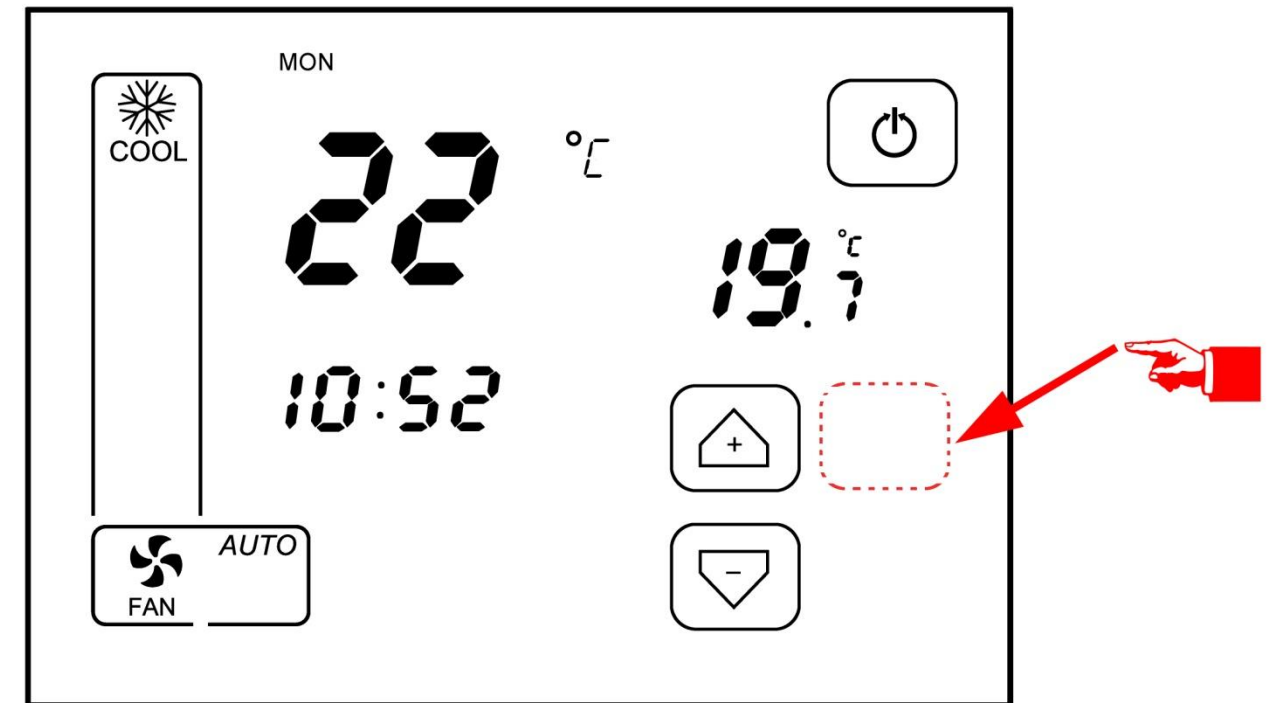
**NOTE: If the NAVIGATION BUTTONS are not used within 3 seconds, the screen will return to the Default Mode**

## 7.1. SETTING THE CURRENT DATE AND TIME

To the Schedule Timers, ThermoPad relies on Date and Time Set by the user

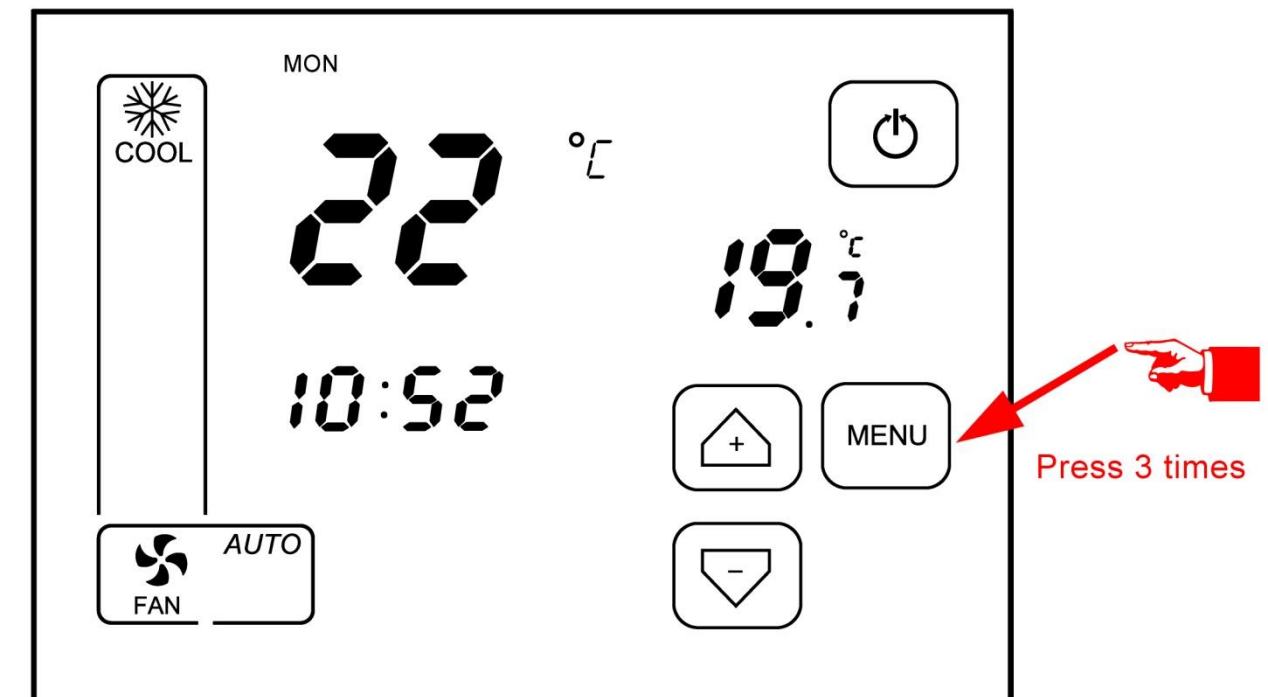
To Set The Current Date and Time:

1. Activate the **MENU** Button by touching the Screen Next to *UP Navigation Button*



2. Press the activated **MENU** Button 3 times. The SETTINGS Screen will display

NOTE: When in SETTINGS MENU, the Week Day Icon and Minutes icon will be flashing

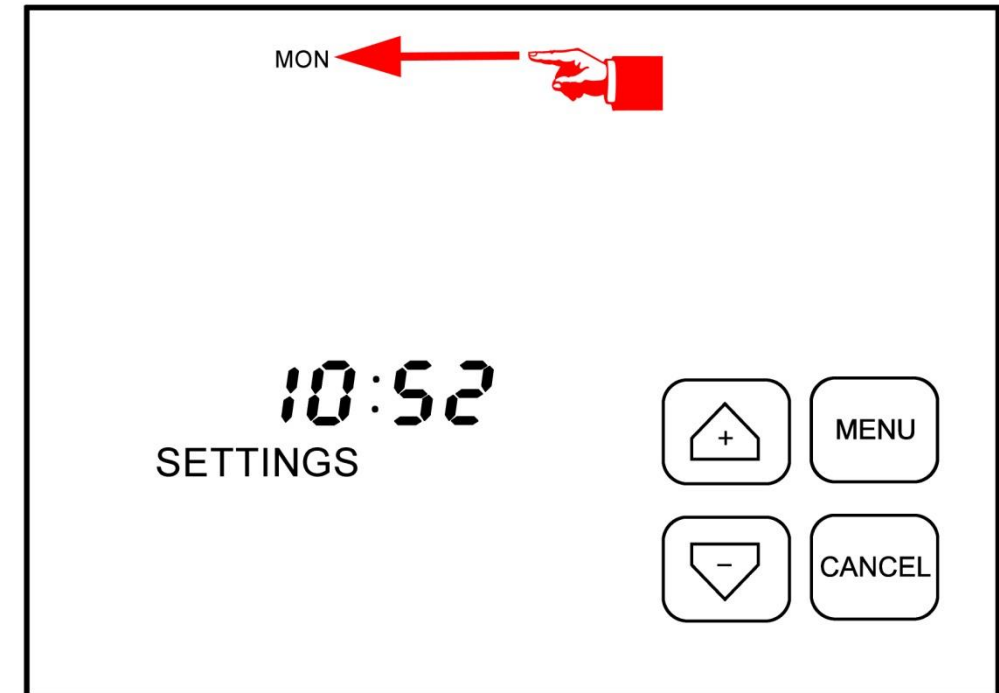


## 7.2. SETTING THE CURRENT DATE AND TIME

3. To set the Week Day, press the **TOP SIDE OF THE DISPLAY**.

The Day will Change each time the Screen is Touched ( a characteristic BEEP sound will support every touch).

The Options for changing the Week Day are: SUN MON TUE WED THU FRI SAT.



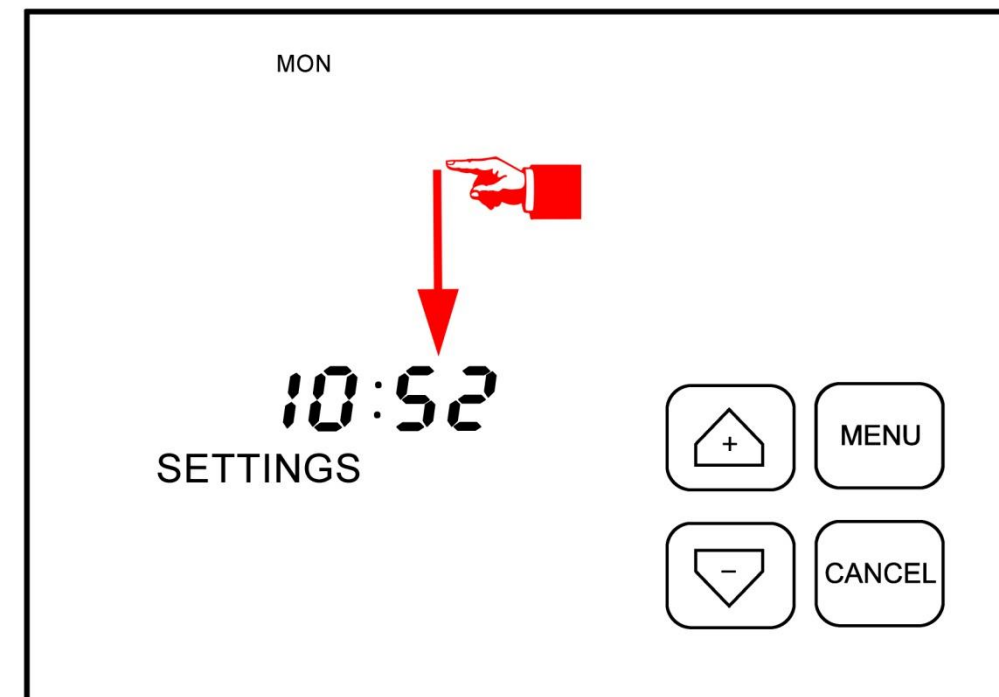
4. To set the Minutes, press the **MINUTES Icon**.

When activated, the MINUTES Icon will start flashing ( a characteristic BEEP sound will support every touch).

Using the Navigation Buttons ,  change the Minutes

Each Time the Navigation Button is pressed, the time advances 1 minute. When the Button is held down, the time advances or reverses continuously.

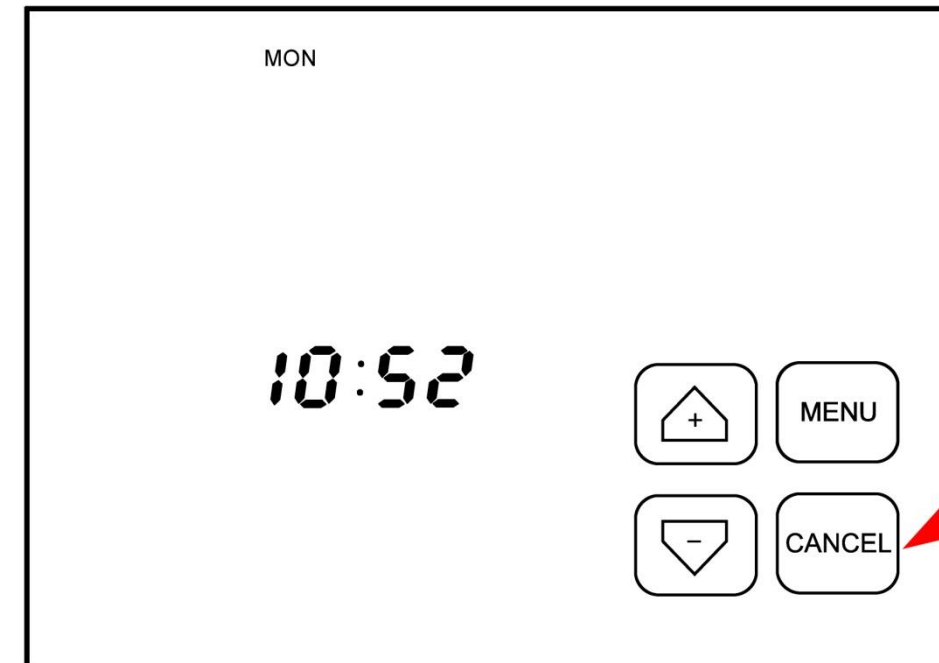
Setting the **HOUR** is similar to setting the Minutes



## 7.3. SETTING THE CURRENT DATE AND TIME

5.To SAVE & EXIT The SETTINGS Screen,  
Press

CANCEL



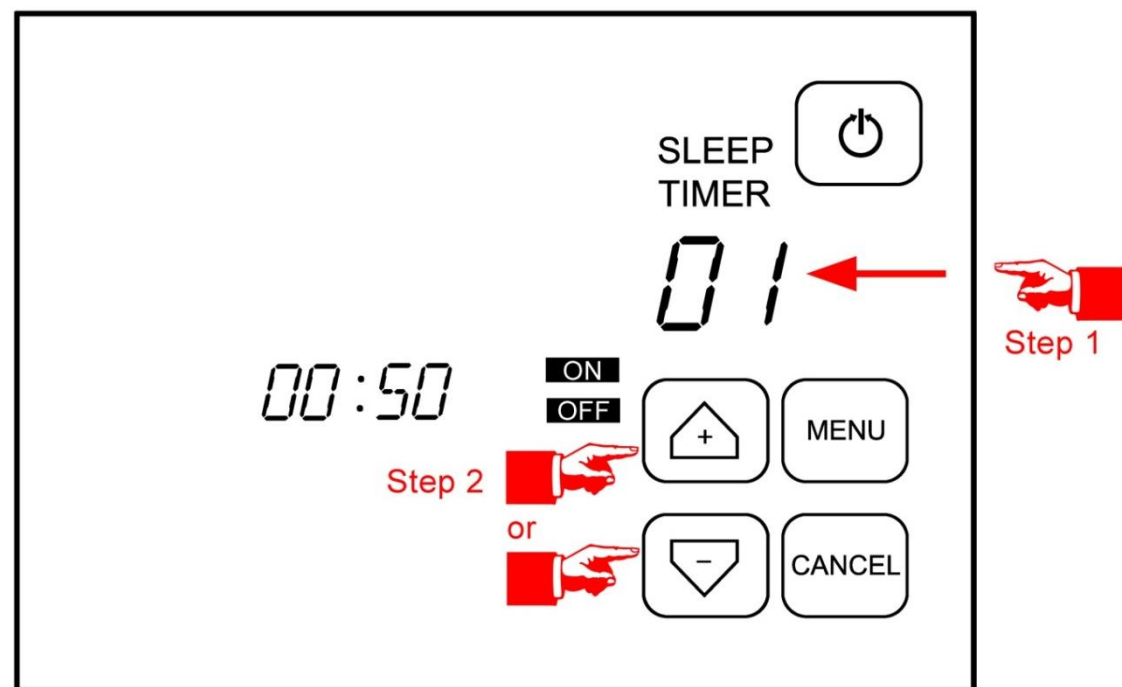
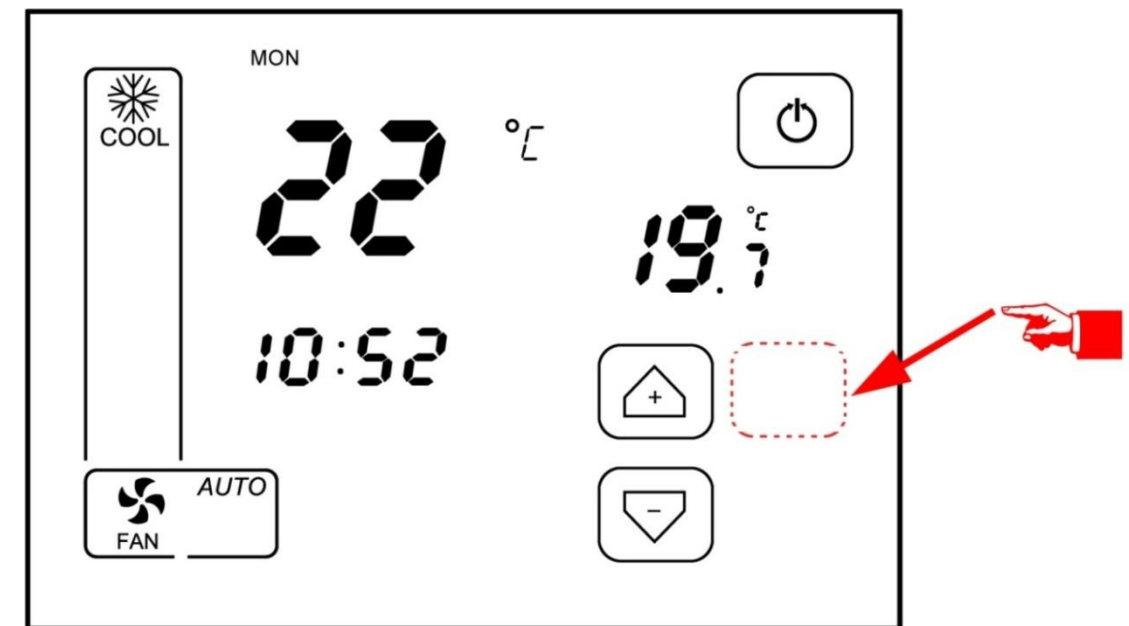
## 8.1. SETTING THE SLEEP TIMER

**SLEEP TIMER** Option enables the user to switch the System ON/OFF on occasions when the user desires to switch ON/OFF the system only once.



ThermoPad supports 4 **SLEEP TIMER** operations. Each **SLEEP TIMER** operation enables switching the unit ON/OFF by a preset "time period" from the current time.

Setting the **SLEEP TIMER**:

1. Activate the **MENU** Button by touching the Screen Next to *UP Navigation Button*





2. Press the activated **MENU** Button Once. The **SLEEP TIMER** Screen will display.

3. – 4. To change the **SLEEP TIMER** Operation Number press the Timer **01** and then the Navigation Buttons  or .

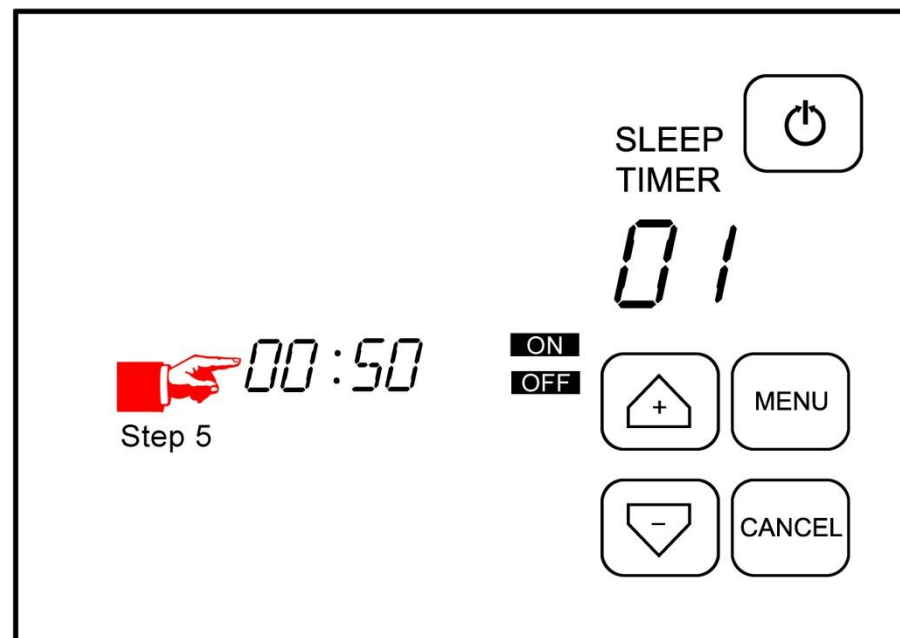
This will allow the user to navigate between **SLEEP TIMERS**.

## 8.1. SETTING THE SLEEP TIMER

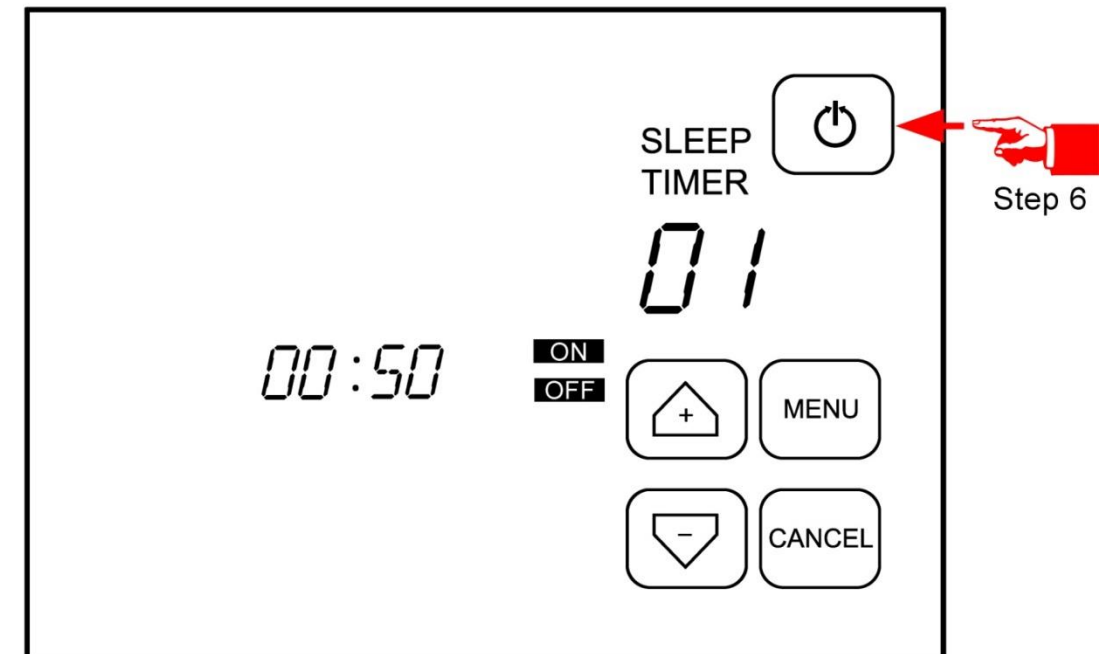
5. To SET The Time after which the System should turn ON/OFF, press the Clock Display **00:00<sup>AM</sup>** and using the Navigation Buttons   change to the time desired (the Time setup is similar to Date and Time Setup).

6. Press ON/OFF Button to set whether the system Should switch ON or OFF.

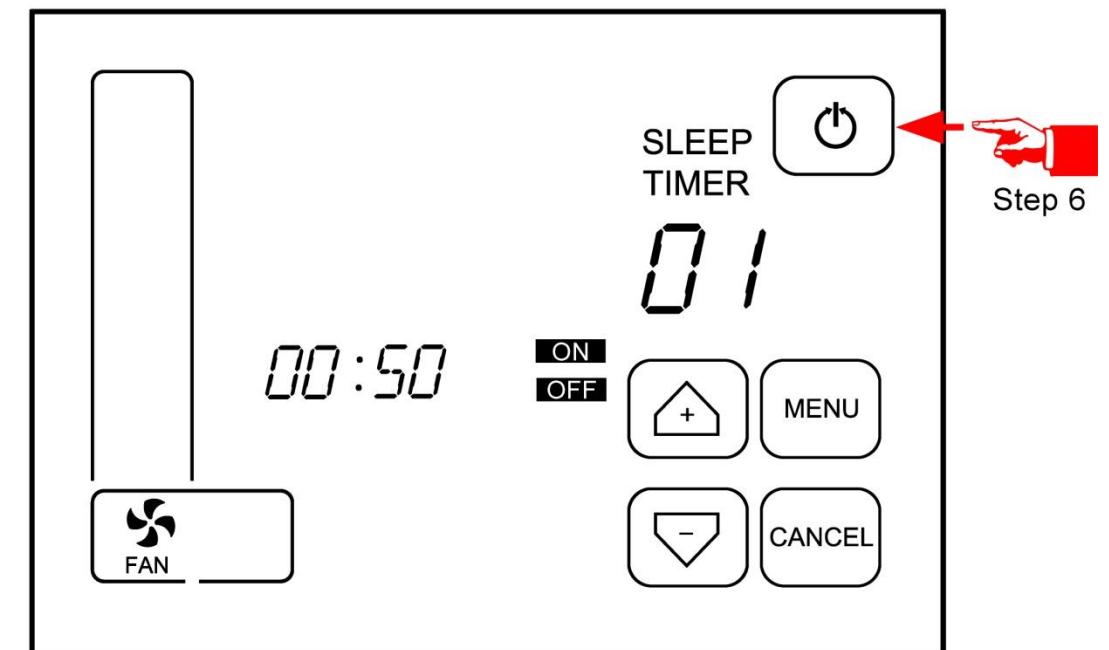
NOTE: The SLEEP TIMER Operation Number will flash at all times



### 6.1 – System switch OFF



### 6.2 – System switch ON



NOTE: When System Switch ON is enabled, the OPERATION MODE Icon will display (for details see Fig 6.1 - 6.2)

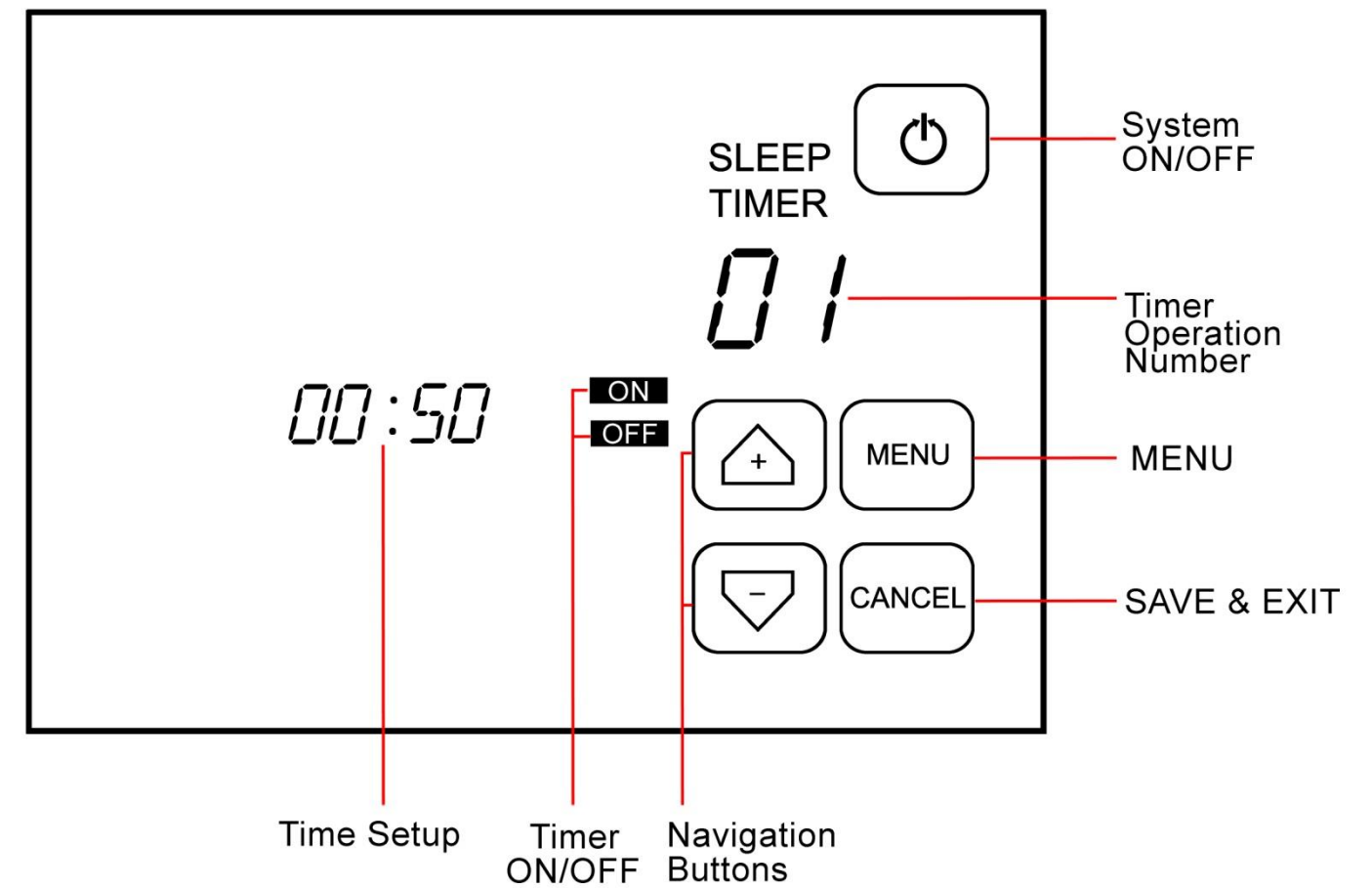
## 8.2. SETTING THE SLEEP TIMER

7. To activate SLEEP TIMER Operation Press **ON** button next to the Time Display

8. To deactivate SLEEP TIMER Operation Press **OFF** button next to the Time Display

9. To SAVE & EXIT The SETTINGS Screen Display,

Press 





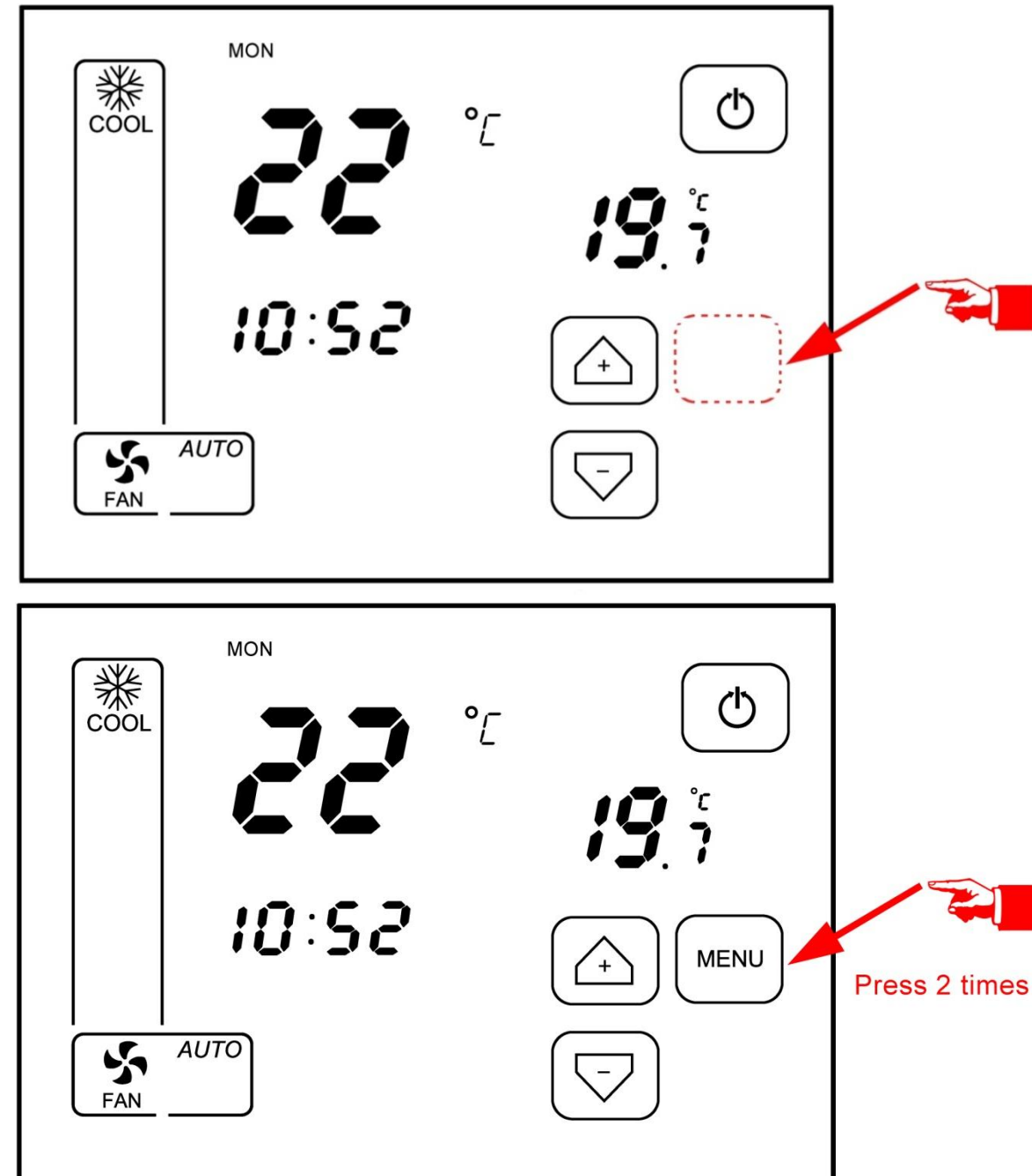
## 9.1. SETTING THE WEEKLY SCHEDULE TIMER

ThermoPad allows up to 50 Weekly Schedules. Each schedule can occur up to 7 times a week. For each Schedule, the user can select the Operation Status (ON/OFF), Operation Mode (Cool, Heat, Dry, Auto, HAUX, Fan), Fan speed (Low, Medium, High, Auto), Temperature set point, and the occurrence (day of the week and time). After programming, each Schedule can be activated or deactivated.

### Setting the **Weekly Schedule**:



1. Activate the **MENU** Button by touching the Screen Next to *UP Navigation Button*

2. Press the activated **MENU** Button Twice. The **TIMER** Screen will display.



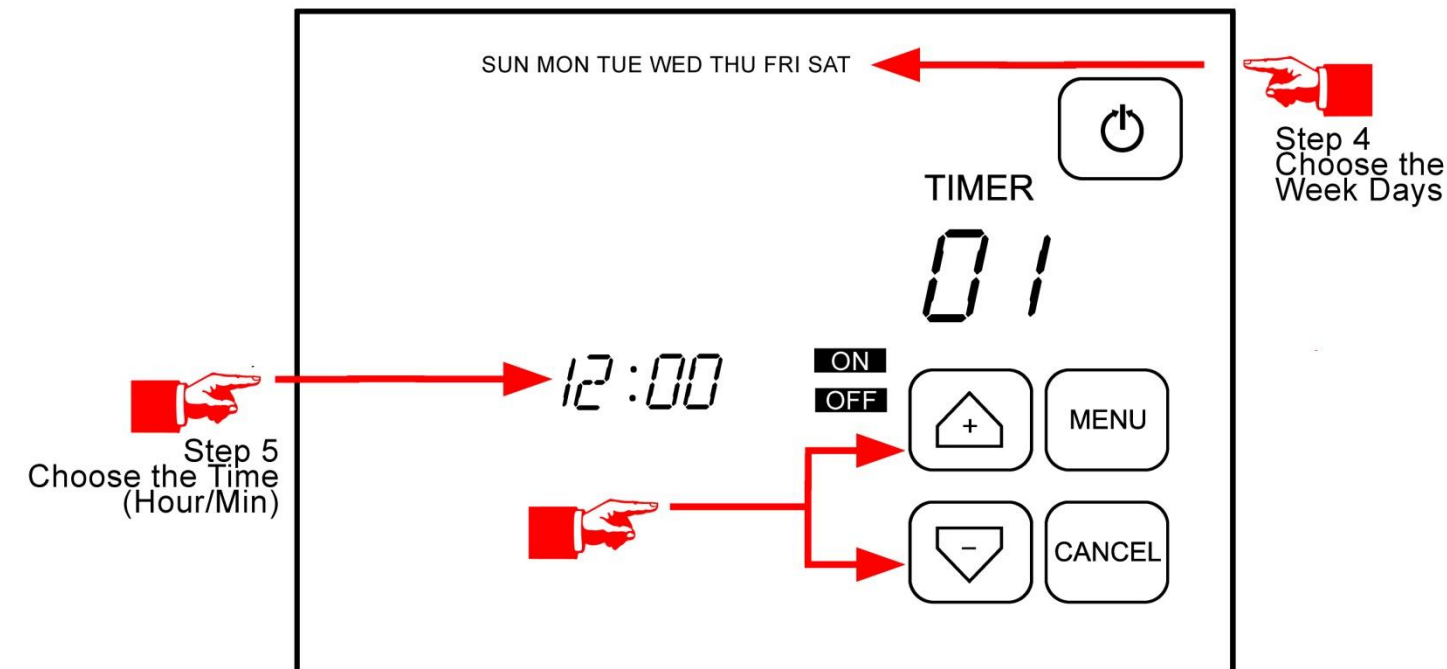
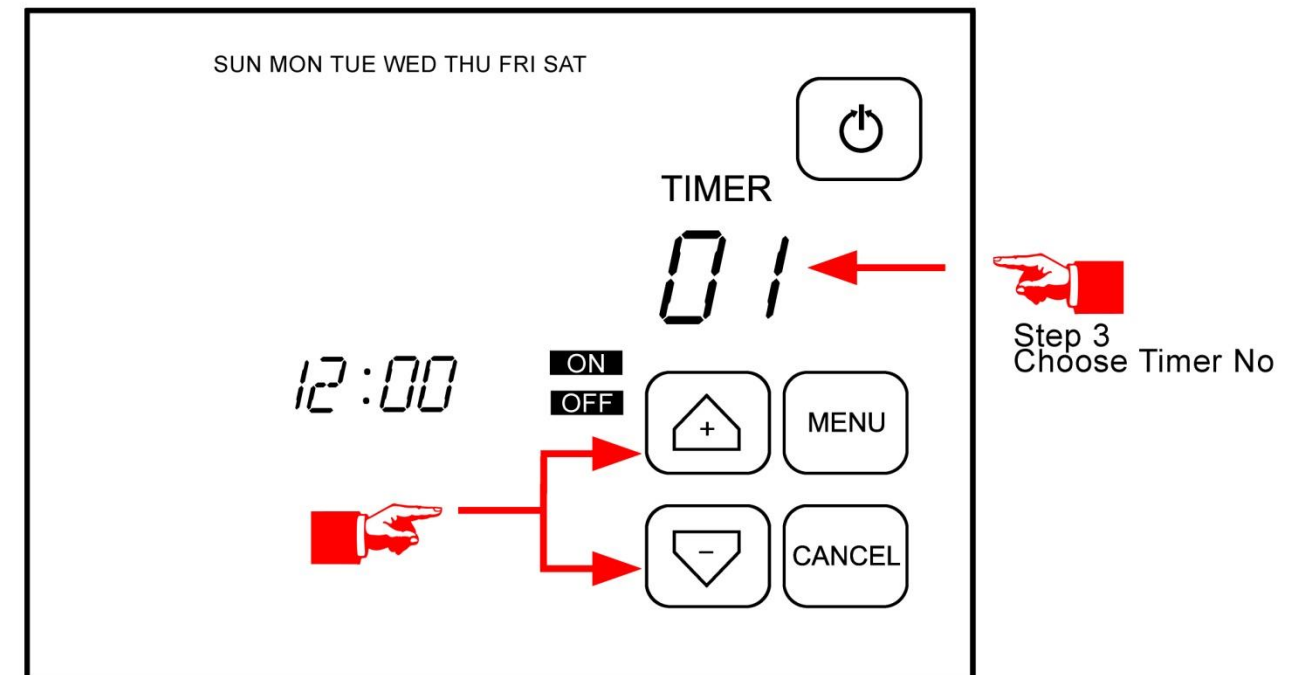
## 9.2. SETTING THE WEEKLY SCHEDULE TIMER

3. Press The Schedule Timer Number (The Timer will flash at all times).

To change the Timer Number press the Timer **01** and then the Navigation Buttons  or .

This will allow the user to navigate between Timer schedules



**NOTE: Up to 50 Weekly Schedule Timers can be set.**



4. To Schedule the day (or several days) press on the days required. The icons for the selected days will start flashing.

It is possible to select as many days of the week as the user desires (1 to 7).

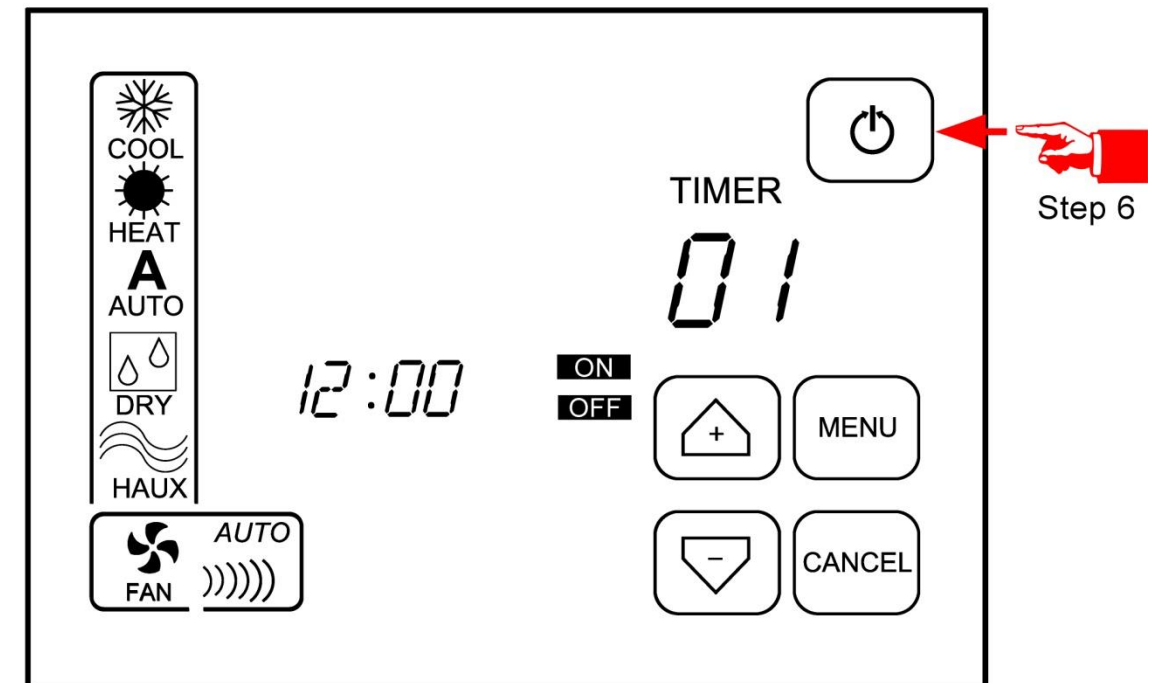
## 9.3. SETTING THE WEEKLY SCHEDULE TIMER

5. To SET The Time press the Clock Display **00:00** AM/PM and using the Navigation Buttons   change to the time desired (the Time setup is similar to Date and Time Setup).

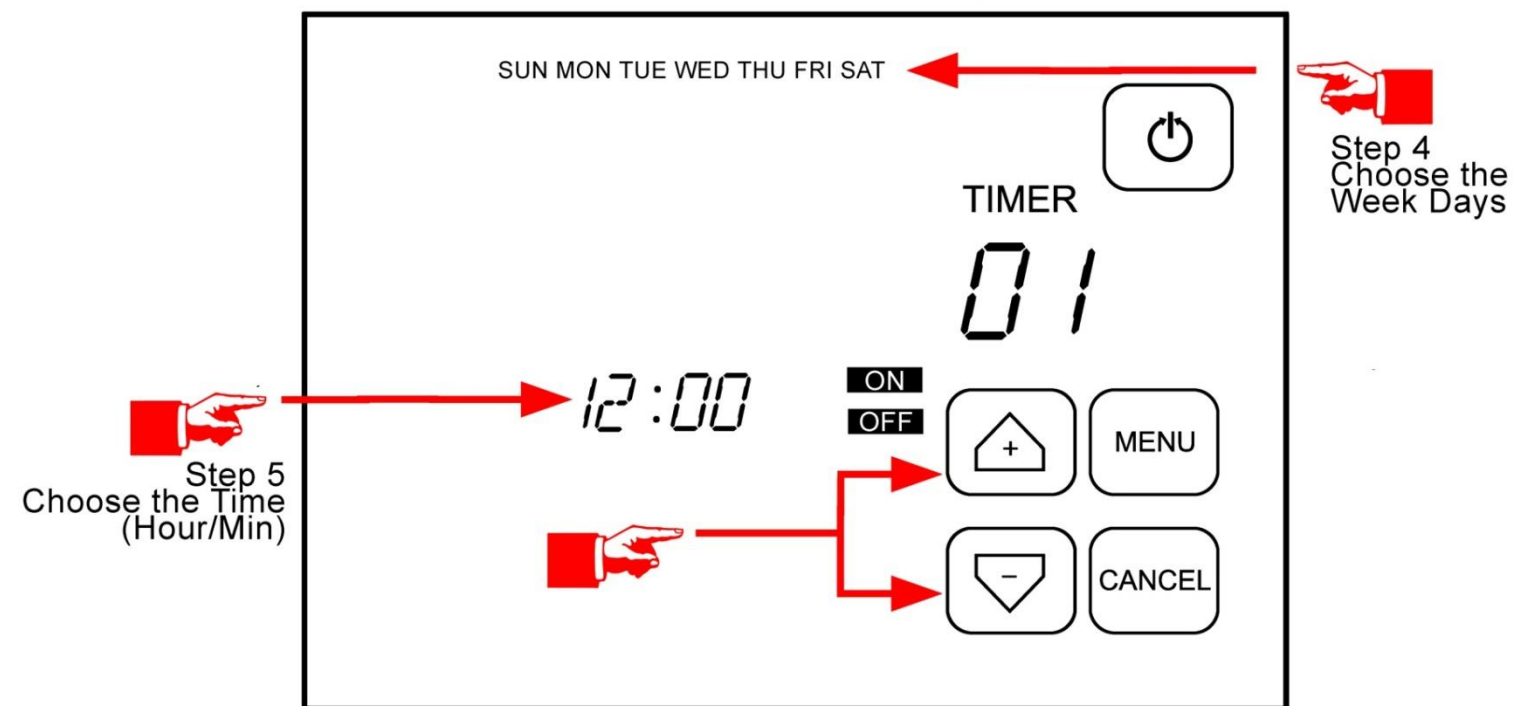
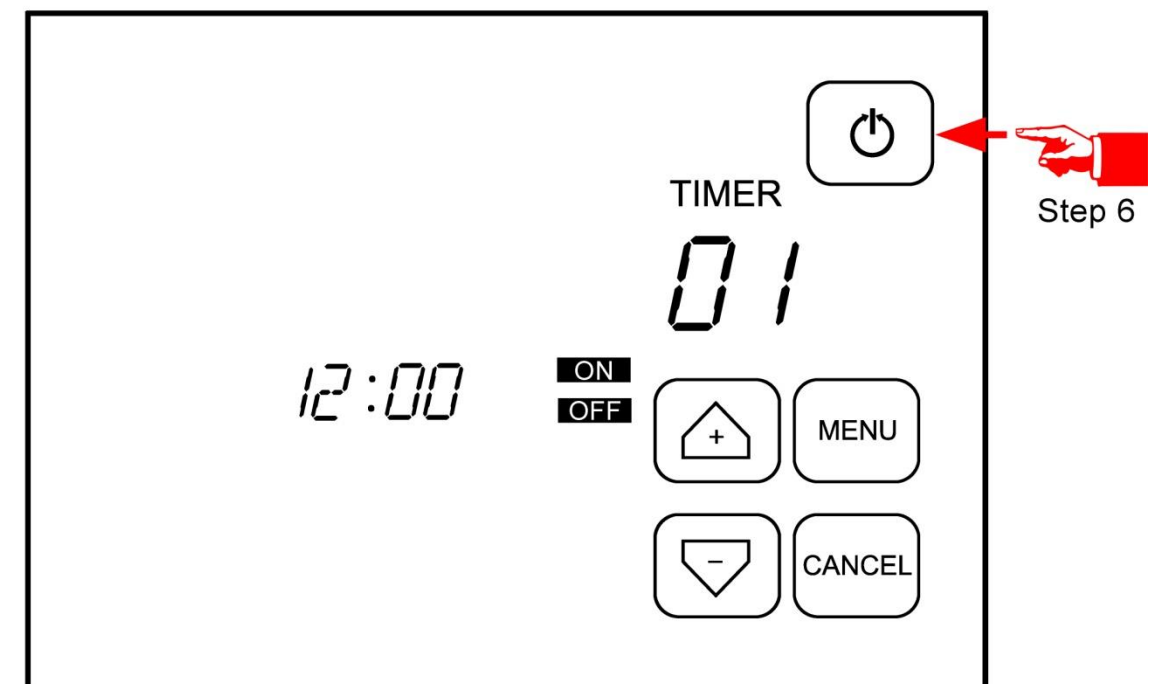
6. Press ON/OFF Button to set whether the system should switch ON or OFF.

**NOTE: When System Switch ON is enabled, the OPERATION MODE Icon will display (for details see Fig 6.1 - 6.2)**

6.1 – System switch ON



6.1 – System switch OFF

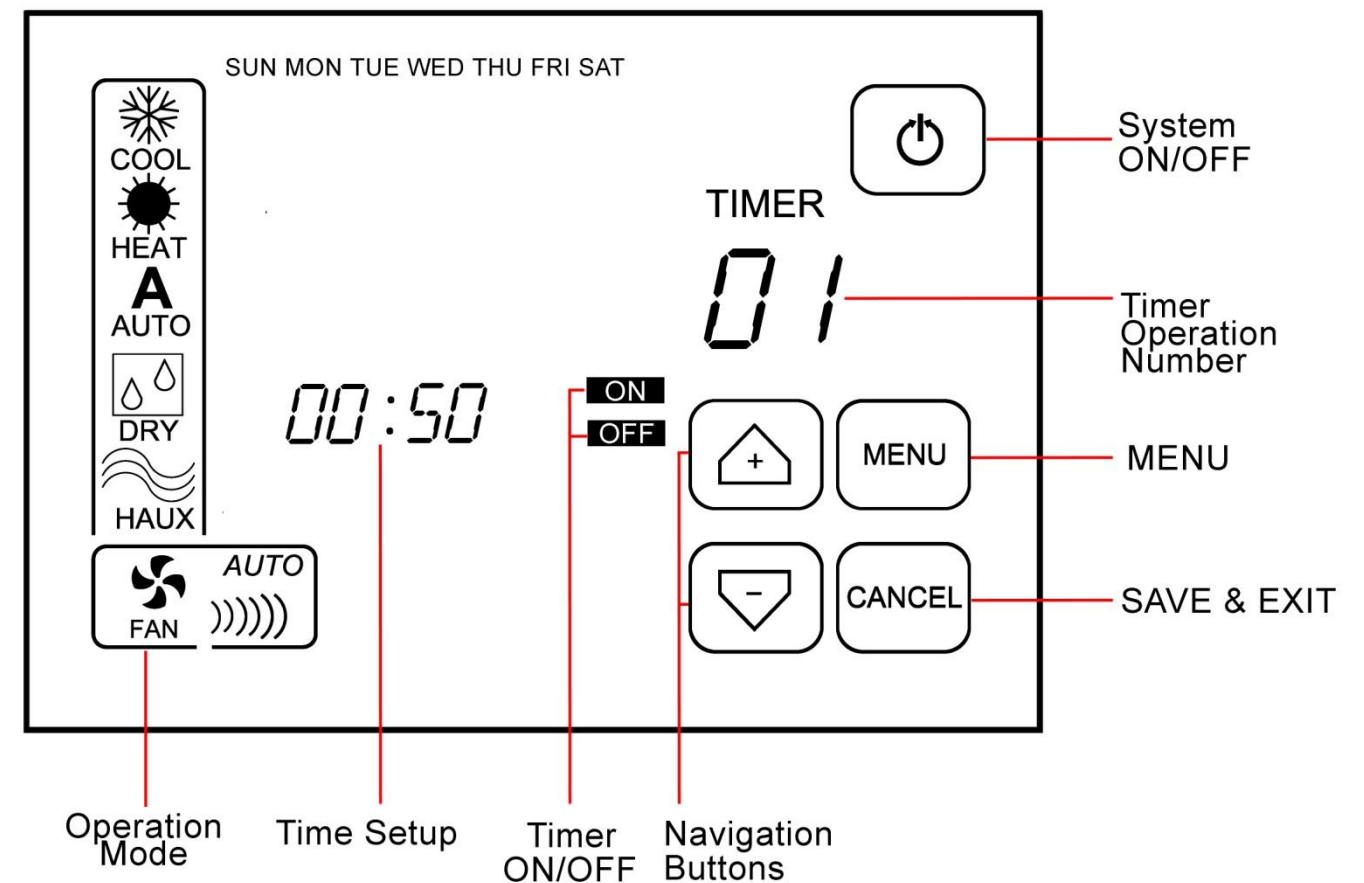


## 9.4. SETTING THE WEEKLY SCHEDULE TIMER

7. To activate Weekly Timer Schedule Press **ON** button next to the Time Display

8. To deactivate Weekly Timer Schedule Press **OFF** button next to the Time Display

9. To SAVE & EXIT The SETTINGS Screen Display, Press **CANCEL**



**NOTE:** In **SYSTEM SWITCH ON** Mode, it is possible to select the Operation Modes (COOL, HEAT, AUTO, DRY, HAUX & FAN)

**NOTE:** When Time Schedules are activated, on LCD screen will appear the **SCHEDULE TIMER ICON**

Tenways Engineering Services Ltd.  
21 Denehurst Gardens  
London, NW4 3QS  
[www.tenways.co.uk](http://www.tenways.co.uk)