

Digital clock and thermometer

User's guide

Features:

- Displaying the time, date, and temperature digitally.
- Auto-switching between summer/winter time modes at the beginning of April and October.
- Temperature range is [-9°C ~ +50°C].
- It's prepared for outdoor use (sunlight environment).
- 12/24 hour time modes.
- It's controlled by a local keypad and a remote control.
- The main power cut doesn't affect the time of the clock even if it lasted more than one month.
- Possibility to switch between summer/winter time modes manually.
- It has six displaying modes:
 1. Switching between the time and temperature every five seconds.
 2. Displaying the time only.
 3. Displaying temperature only.
 4. Displaying the date only.
 5. Round switching between the time, date, and temperature.
 6. Switching between the time and date every five seconds.
- The operating voltage is (100 ~ 240) Vac.
- Low power consumption (economical).
- Different sizes and designs, a new design is welcome at customer request.

Important instructions for installation:

1. When using the clock outdoor, it's preferred to protect it from harsh ambient conditions by suitable roof.
2. Clean it with a wet cotton cloth, wipe it gently and slowly to avoid electrostatic charges.
3. The operating voltage is 220Vac/50Hz, the power consumption is 80W.
4. Connect the clock to a separated outlet with a circuit breaker exclusively used for this purpose, do not connect it with a florescent light or an inductive load.

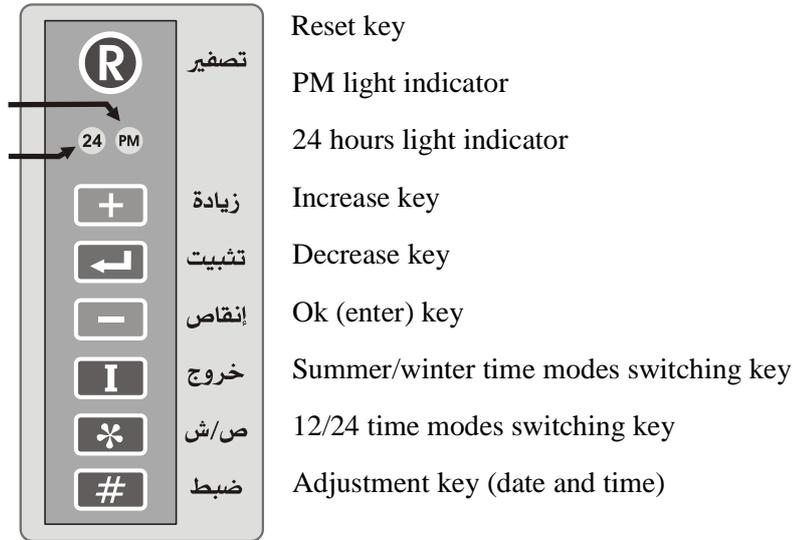
Notes:

When the main power is off, the displays are all off, but the internal timing circuit is still working by means of an internal battery, so the clock doesn't need to be readjusted even if the main power cut lasted one month.

The clock makes several measurements of the ambient temperature during one minute and calculates the average; then it displays the temperature, so the displayed temperature is updated every minute.

The local keypad:

It's located on the back side of the clock and consists of seven keys and two light indicators.



The remote control:

- Adjustment key (date and time)
- Increase key
- Decrease key
- Ok (enter) key
- Summer/winter time modes switching key
- 12/24 time modes switching key
- Displaying minutes and seconds key
- Switching to the default display mode key
- Display modes switching key

Adjusting the clock:

How to set the date and time:

- Press and hold the adjustment **#** key for two seconds, the year digits appear flashing on the clock display.
- Use the increase **+**/decrease **-** key to set the required value then press **←** key, the month digits will start flashing.
- Use the increase **+**/decrease **-** key to set the required value (1~12) then press **←** key, the day digits will start flashing.
- Use the increase **+**/decrease **-** key to set the required value then press **←** key, the year digits disappear and the time appears on the display; the hour digits will be flashing.

- Use increase **+**/decrease **-** key to set the hour then press **↵** key, the minute digits start flashing.
- Use increase **+**/decrease **-** key to set the minute then press **↵** key.
- Pay attention to the PM light indicator status:
 - The time is PM when the indicator is **on**.
 - The time is AM when the indicator is **off**.
- Press **⊗** key to switch between AM/PM.

Notes:

- In case of setting a wrong value you need to start over the adjustment and repeat the above mentioned steps.
- Press **I** key to switch between summer/winter time modes manually.
- In case of setting a wrong AM/PM value; press **⊗** key to switch between AM/PM without need to readjust the clock.
- Press and hold the increase **+** and decrease **-** keys simultaneously for two seconds, the clock displays the minutes and seconds only.
- Press and hold the increase **+** and **↵** key simultaneously for two seconds to switch between the displaying modes (time and temperature/ time only/ temperature only).
- In case of any problem in the displaying function, press and hold **⊗** key and **↵** key simultaneously for two seconds, the clock will display the default time and you need to readjust it.

Adjusting summer/winter time modes:

In the countries that have summer/winter time modes, the clock switches automatically between summer/winter time at the beginning of April and October.

In case it's necessary to switch between summer/winter time modes manually (in a date different from those mentioned above), press and hold **I** key till the switching occurs (the time increases/decreases by one hour).

Adjusting the clock by remote control:

You can adjust the clock by the remote control in the same way as described in the "Adjusting the clock" paragraph with taking into account the remote control key functions.

Important note:

When using the remote control to adjust the clock, no need to press and hold the keys, it's enough to press the following keys only once:

Summer/winter time modes switching key.

Display modes switching key.

12/24 time modes switching key.

Before you contact the maintenance:

When you connect the clock to the main power and nothing appears after five seconds, do the following:

1. Press and hold  key and  key simultaneously for three seconds, release  key first then release  key, the clock displays the default time (1:00) and date (1st of Jan.).
2. Press  key to adjust the clock and follow the instructions as described in "adjusting the clock" paragraph.
3. If the clock stopped working; press the reset key  to reset the clock.
4. If the clock loses the time after the main power cut; replace the battery in the main control circuit, make sure the battery is 3V/CR2032 model.

Available sizes:

Size	Width	Height
M size	220cm	80cm
B size	120cm	50cm
S size	85cm	35cm
T size	80cm	24cm