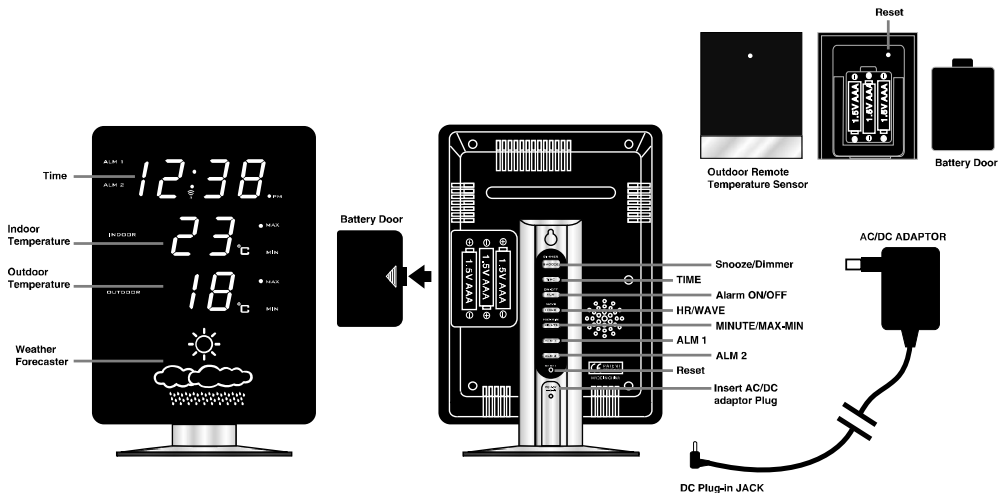


# **SENCOR SWS 230**

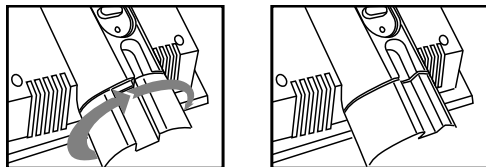
**Radio Controlled LED Clock with Wireless Indoor and  
Outdoor Temperature**

**INSTRUCTION MANUAL**



**INSTALLATION**

Insert the round base to the back pole (as indicated) of your LED weather station, turn the base to the right to secure it in position.



**ENVIRONMENTAL RECEPTION EFFECTS**

Your radio controlled clock obtains the accurate time with wireless technology. Same as all wireless devices, the receiving ability maybe affected by, but not limited to, the following circumstances:

- Long transmitting distance
- Nearby mountains and valleys
- Among tall buildings
- Near railway, high voltage cable etc.
- Near freeway, airport, etc
- Near construction site
- Inside concrete buildings
- Near electrical appliances
- Near computers and TV's
- Inside moving vehicles
- Near metallic structures

Place your clock at a location with optimal signal, i.e. close to a window and way from metal surfaces or electrical appliances.

## QUICK SETUP

For best reception of radio controlled signal, keep your clock at least 3 feet away from the AC outlet or AC/DC adaptor.

**Step 1** Plug in the AC/DC adaptor to any AC household outlet. Then plug in the power jack to the back of your unit. Inset the stand to the bottom of your weather station.

**Step 2** Slide open the battery cover at the back of your weather station, then insert 3 x AAA alkaline batteries into the battery compartment to the back of your weather station by observation the correct +/- polarity sign inside the battery compartment. Replace the battery cover.

**Step 3** Keep your weather station and wireless sensor next to each other. Slide open the battery cover at the back of your wireless outdoor sensor, then insert 3 x AAA alkaline batteries to the back of it. Replace the battery cover. Your weather station will receive data signal from the outdoor sensor in few seconds. Then place your outdoor sensor in a dry and shaded area outdoor.

**Step 4** Peel off the protective label on the front. Your weather station is ready to work for you.

**Step 5** After your weather station receives the outdoor temperature, it will start to search for the DCF signal. This may take overnight. In case your weather station does not catch the DCF signal during the day, set the clock manually.






### Remarks:

1. Keep in mind that your outdoor sensor has a 100 feet open-air transmission with no obstructions. Actual transmission range will vary depending on what is in the path of the signal. Each obstruction (roof, walls, floors, ceilings, thick trees, etc.) will effectively cut signal range in half.
2. During reception of the DCF time signal, all buttons do not function and your weather station does not take temperature measurement. After first time installation, the temperature readings will get stable and become more accurate in around 30 minutes.

### Battery Back Up

When AC power is off, the batteries will power the clock to keep track of the time and alarm time. When only the back-up batteries are used, the LED panel is off.

### Power Up Reception and Signal Strength Display

1. After your weather station receives the outdoor temperature, it will start to search for the DCF signal.  icon blinks. Display shows :00.
2. When strong DCF signal is detected, display shows with 3 bars :00. When weak or no DCF signal is detected, display shows with 1 bar  or :00. You will need to replace the clock to another area for better reception. During reception, the signal strength may move from 1 bar to 2 bars to 3 bars. This is normal since the clock is detecting DCF signal and other signals in the air at the same time.
3. If the clock does not catch DCF time signal for 7 minutes, it will go back to normal time display. If the clock does not receive DCF time signal within 21 minutes, it will stop to search for the DCF signal. The display data may not be correct.
4. During reception, press **TIME** button once will go to normal time display. Press **WAVE** again will return to reception mode and signal strength indication.

### Successful Reception or failed reception



icon becomes static (stop blinking) when reception is successful.


icon disappears when reception is failed.

### Automatic Reception and Manual Reception

Automatic reception: this clock starts reception automatically everyday at 1:00 am. If auto reception fails at 1:00am, it will start again at 3:00 am. If fails at 3:00 am, it will start again at 5:00 am.

If auto reception still fails at 5:00 am, it will start reception every 3 hours until it succeed to catch correct DCF time.

Manual reception: press **WAVE** button once anytime to start manual reception of DCF time signal.

The LED time display will go to radio reception mode .

### To Set Time

Press and hold **TIME** button and at the same time press **HOUR** button once at a time to set hour.  
Press and hold **TIME** button and at the same time press **MINUTE** button once at a time to set minute.

### To Set Alarm 1 Time

Press and hold **ALM 1** button and at the same time press **HOUR** button once at a time to set hour.

Press and hold **ALM 1** button and at the same time press **MINUTE** button once at a time to set minute.

### To Set Alarm 2 Time

Press and hold **ALM 2** button and at the same time press **HOUR** button once at a time to set hour.

Press and hold **ALM 2** button and at the same time press **MINUTE** button once at a time to set minute.

### To Turn ON/OFF Alarm 1 or/and Alarm 2

To turn on Alarm 1 only, press **ALM** button, ALM 1 LED lights up on upper left of the hour digits.  
To turn on Alarm 2 only, press **ALM** button again, ALM 2 LED lights up on lower left of the hour digits.

To turn on both Alarm 1 and 2, press **ALM** button again, ALM 1 and ALM 2 LED light up.

To in-activate both Alarm 1 and 2 permanently, press **ALM** button again, Both ALM 1 and ALM 2 LED turn off.

### To Use The Snooze Alarm

When time reaches the set Alarm 1 and/or Alarm 2 time, the clock will beep with the ALM 1 and/or ALM 2 LED blinking. Press the **SNOOZE** button once, the alarm sound will stop and ALM 1 and/or ALM 2 LED keeps blinking. Alarm will sound again in 5 minutes.

### To Stop The Alarm

When time reaches the set Alarm 1 or Alarm 2 time, the clock will beep with the ALM 1 or ALM 2 LED blinking. Press **ALM 1** or **ALM 2** button, the alarm sound will stop and ALM 1 or ALM 2 LED becomes static.

Alarm 1 and/or Alarm 2 will sound again same time next day.

### To Set Snooze Duration (from 5 to 60 minutes)

Press and hold **SNOOZE** and time display will show "05" (default snooze duration) and then press **MIN** button to set your desired snooze duration.

### To Read Maximum-Minimum Indoor-Outdoor Temperatures - reset of the records

Simply press the **MAX/MIN** button to view the maximum indoor and outdoor temperatures. Press and hold **MAX/MIN** to reset the Max readings. The readout will now appear as "--" and will start to record the maximums again.

Then press the **MAX/MIN** button to view the minimum indoor and outdoor temperatures. Press and hold **MAX/MIN** to reset the Min readings. The readout will now appear as "—" and will start to record the minimums again.

#### To Select Time Zone

Press **TIME** and **SNOOZE** button together, time display changes to "01", release **SNOOZE** button and keep pressing **TIME** button, then press **MINUTE** button to set time zone:

"00" = GMT + 0 hour (e.g. UK)

"01" = GMT + 1 hour (Central European time e.g. Germany)

"02" = GMT + 2 hours (Eastern European time e.g. Finland)

#### If You Lose The Outdoor Temperature

When the outdoor temperature digits show "—", the wireless transmission is either interrupted or lost. Press the **MINUTE** button of the weather station, then press the **RESET** button located on the back of the outdoor transmitter. If you continue to lose the outdoor temperature display, try placing the transmitter in a different location until you have smooth transmission of temperature data.

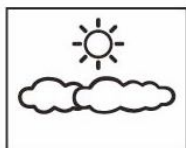
#### Using The Weather Forecaster and Barometer

Your LED weather station has a built-in barometer which measures the barometric pressure. After power up, the display shows Sunny & Cloudy Icons. Your LED weather station takes around 24 hours to gather data of barometric pressure changes and predicts next 12 – 24 hours weather conditions.

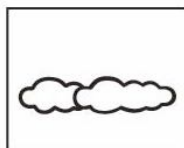
There are four types of weather display of the predicted weather condition:



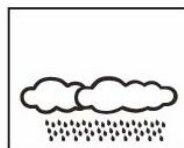
SUNNY



SUNNY & CLOUDY



CLOUDY



RAINY

#### Remarks:

Moving your weather station around your house or your building will affect its accuracy because the sudden change of temperature or height / attitude will affect the accuracy of your weather station. It will take 24 hours to get stable again to predict next 12 – 24 hours weather station.

Your weather station predicts next 12 – 24 hours weather conditions. It may not match with the current weather condition outside.

#### Trouble Shooting

Press the **RESET** button of the weather station and then press **RESET** button located on the back of the outdoor transmitter. Once you do this, your clock will be reset to default setting and needs to be up-dated by DCF time signal again.

#### To Use The Hi-Lo Dimmer

Press **SNOOZE** button to adjust the LED brightness to a comfortable level to you in the dark.

### Care Of Your Clock

1. Do not expose your clock to extreme temperatures, water or direct sunlight.
2. Avoid contact with any corrosive materials.
3. Do not subject the clock to excessive force, dust or humidity.
4. Do not open the inner back case or tamper with any components of this clock.
5. Do not plug in any other AC/AC or AC/DC adaptor with incorrect specifications or voltage.

**VERSION 1.1**  
**2009.09.15**



### EN Disposal of Used Electrical & Electronic Equipment

The meaning of the symbol on the product, its accessory or packaging indicates that this product shall not be treated as household waste. Please, dispose of this equipment at your applicable collection point for the recycling of electrical & electronic equipments waste. In the European Union and Other European countries which there are separate collection systems for used electrical and electronic product. By ensuring the correct disposal of this product, you will help prevent potentially hazardous to the environment and to human health, which could otherwise be caused by unsuitable waste handling of this product. The recycling of materials will help conserve natural resources. Please do not therefore dispose of your old electrical and electronic equipment with your household waste. For more detailed information about recycling of this product, please contact your local city office, your household waste disposal service or the shop where you purchased the product.