

# SENCOR®

## SWS 215

**User's manual**

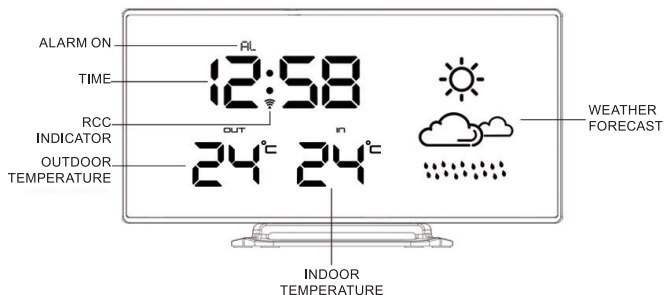
**RADIO CONTROLLED LED ALARM CLOCK  
WITH INDOOR & OUTDOOR TEMPERATURE**

**EN**

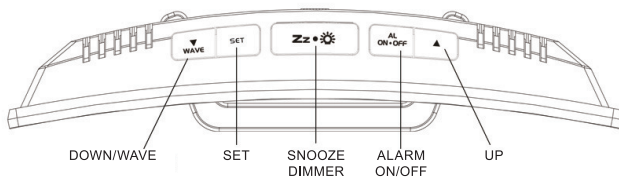


# DESCRIPTION OF THE DEVICE

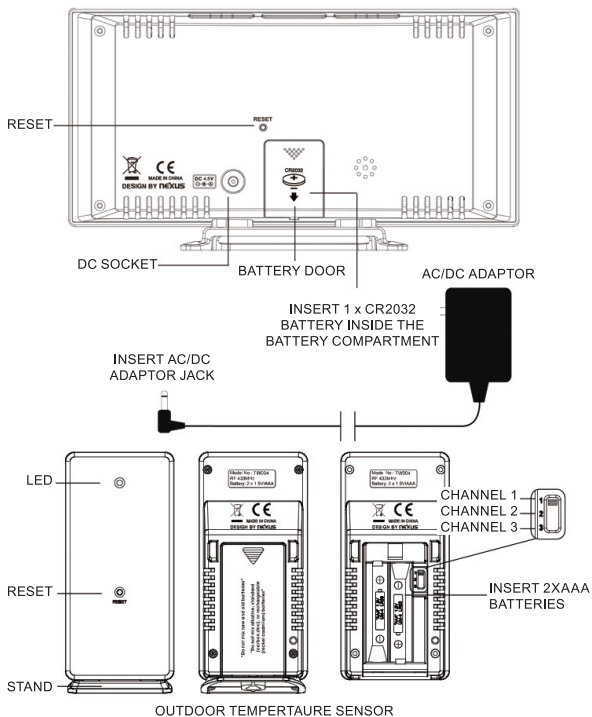
## FRONT VIEW



## TOP VIEW



## BACK VIEW



## 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 away from metal surfaces or electrical appliances.

## QUICK SETUP

**Step 1** Slide open the battery cover at the back of your clock, then insert 1 x CR2032 Lithium battery (**not included**) to the battery compartment. Make sure +ve polarity of the battery is facing up. Then replace the battery cover.

**Step 2** Insert the AC/DC adaptor to any AC household outlet. Then insert the DC jack to the back case of your unit.

**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, make sure the channel selector is set at position 1 (top position), then insert 2 x AAA batteries (not included) into the outdoor sensor by observing the correct + / - polarity signs inside the battery compartment. Replace the battery door.

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.

**Information about the installation location of the sensor:**

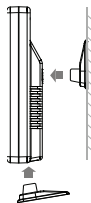
- The cover of the external sensor is not waterproof. If the sensor is located outdoors then it must be located in a covered area so that it is not directly rained or snowed on.
- Never place the sensor on metal surfaces or objects or place inside metal covers.
- If possible, locate the sensor on the northern side of the house so that the temperature reading is not distorted by the effect of sunlight. Frost reduces battery capacity and may result in loss of transmission.

**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.

**REMARKS:**

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.



Insert the holder to the bottom of the outdoor transmitter for desktop or insert it to the back of the transmitter for wall mount purpose.

## Battery Back Up

When the power supply is not in use, the station will be powered by the back-up batteries. The LED display is turned off, but time and alarm time remain stored (also in the event of a power failure).

## DCF SIGNAL RECEPTION AND SIGNAL INDICATOR

After your clock is powered up, it starts to receive DCF signal.

The  icon flashes.

Receiving DCF signal

( icon flashing)

Successful Reception

( icon becomes static)

Failed Reception

( icon disappear)

During reception, press **▼ / WAVE** once will display reception mode and signal strength

Indication:-


When strong DCF signal is detected, display shows with 3 bars



When weak or no DCF signal is detected, display shows  or




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.

Press **SET** will return to the time display with  icon flashing.

## Successful reception or failed reception

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

 icon disappears when reception is failed

## Automatic reception and Manual Reception

Your clock starts automatic reception everyday at 1:00, 2:00, and 3:00. If it fails to receive the DCF time signal at 3:00, it will start reception at 4:00. If it fails again, it will start reception at 5:00. If it fails again, it will start automatic reception at 1:00 again in the next day.

**Manual reception:** simply press and hold ▼ / **WAVE**, your clock will give a short beep and starts manual reception. Press and hold ▼ / **WAVE** to stop DCF reception.

When your weather station is receiving the radio controlled time signal, the display will turn dimmer. It will resume to the brightness level which you originally selected after the radio controlled time reception is completed.

During RCC reception, all buttons do not function and it does not take temperature measurement. The temperature readings will get stable and become more accurate after your weather station clock is powered up for around 30 minutes.

### **To cancel DCF reception permanently**

Press and hold ▼ / **WAVE** and ▲ at the same time for 2 seconds, your clock will give 2 short beep and the radio controlled function is permanently disabled.

To resume the radio controlled function, press and hold ▼ / **WAVE** and ▲ at the same time for 2 seconds, your clock will give 2 short beep and will start DCF immediately.

### **TO SET TIME**

1. Press and hold **SET**, **00** flash, press ▼ / ▲ to set the time zone:  
**-01 or 00 or 01.**  
“00” = GMT +1 hour (e.g. Germany)  
“01” = GMT +2 hours (e.g. Finland)  
“-01” = GMT 00 hour (e.g. U.K.)
2. Press **SET** again, hour digits flash. Press ▼ / ▲ to set the current hour.  
Press and hold ▼ or ▲ to accelerate setting at high speed.
3. Press **SET** again, the minute digits flash. Press ▼ / ▲ to set minutes.  
Press and hold ▼ or ▲ to accelerate setting at high speed.
4. Press **SET** again, display shows: **05** and flash. Press ▼ / ▲ button to set snooze duration from 5 to 60 minutes
5. Press **SET** to return to normal mode or it will return to normal mode in around 8 seconds if no further press of any other buttons.  
Your clock is in 24-hour display format.

### TO SET ALARM (Default alarm setting is 6:00 AM)

1. Press and hold **AL ON.OFF**, the hour digits flash with “**AL**” icon appears. Press ▼ / ▲ to set your desired alarm hours. Press and hold ▼ or ▲ to accelerate setting at high speed.
2. Press **AL ON.OFF** again, the minute digits flash. Press ▼ / ▲ to set your desired alarm minutes. Press and hold ▼ or ▲ to accelerate setting at high speed.
3. Press **AL ON.OFF** again or if no further press of any other buttons in around 10 seconds to exit alarm setting mode.

### TO TURN ON OR OFF YOUR ALARM

Single press **AL ON.OFF** to turn on or off the alarm. When the alarm function is turned on, the **AL** icon appears on top of the time digits.

### TO USE SNOOZE ALARM (Default snooze duration is 5 minutes)

When time reaches your set alarm time, your clock will sound to wake you up. The **AL** icon will flash.

Press **Zz • ☀** once to stop the alarm temporarily, **AL** icon keeps flashing. The alarm will beep again in 5 minutes or after your set snooze duration.

### TO STOP AND RESET THE ALARM TO COME ON THE NEXT DAY





To stop the daily alarm, press any button EXCEPT the **Zz • ☀** when alarm is beeping. The alarm will stop and **AL** icon becomes static; alarm will beep again same time next day.

### TO USE THE DIMMER FUNCTION

Press **Zz • ☀** once to adjust the High / Low brightness of the display.

## TO USE THE WEATHER FORECASTER

There are four types of weather display in your weather station:

	SUNNY
	SUNNY AND CLOUDY
	CLOUDY
	RAINY

### REMARKS:

Moving your weather station around your house or your building will affect its accuracy because the sudden change of attitude will affect the accuracy of your weather station. After your weather station is powered up, it will take around 24 hours to get stable. The weather icons on the display give a reference to the next 6-12 hours weather conditions. It may not match with the current weather condition outside.

### If You Lose the Outdoor Temperature

When the outdoor temperature digits show "--", the wireless transmission is either interrupted or lost. Press & hold ▲ button of the weather station, then press the **RESET** button located on the front 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.

## **TROUBLE SHOOTING**

In case your clock shows irrelevant information or digits, it maybe affected by electrostatic discharge or interferences from other devices. Press the **RESET** button on the back of your clock. Your clock will be reset to default setting of time and calendar and it will start to receive radio controlled time signal again.

## **CARE OF YOUR RADIO CONTROLLED CLOCK**

1. Do not expose the unit to extreme temperature, water or direct sunlight
2. Avoid contact with any corrosive materials
3. Do not subject the unit to excessive force, dust or humidity
4. Do not open the inner back case or tamper with any components of this unit

# INSTRUCTIONS AND INFORMATION REGARDING THE DISPOSAL OF USED PACKAGING MATERIALS

Dispose of packaging material at a public waste disposal site.



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 product at your applicable collection point for the recycling of electrical & electronic equipment waste. Alternatively in some states of the European Union or other European states you may return your products to your local retailer when buying an equivalent new product. The correct disposal of this product will help save valuable natural resources and help in preventing the potential negative impact on the environment and human health, which could be caused as a result of improper liquidation of waste. Please ask your local authorities or the nearest waste collection centre for further details. The improper disposal of this type of waste may fall subject to national regulations for fi nes.

## **For business entities in the European Union**

If you wish to dispose of an electrical or electronic device, request the necessary information from your seller or supplier.

## **Disposal in other countries outside the European Union**

If you wish to dispose of this product, request the necessary information about the correct disposal method from local government departments or from your seller.



Fast ČR, a.s. declares that SWS 215 conforms to the basic requirements and other relevant provisions of Directive 1999/5/ES. The device can be operated in the EU without restriction. The declaration of conformity is a part of the user's manual or can be found at the website [www.sencor.eu](http://www.sencor.eu).

Changes to the text, design and technical specifications may occur without prior notice and we reserve the right to make these changes.

# SPECIFICATIONS

Operation Temperature: 0°C to + 45°C

## Temperature Range

Indoor

0°C to +50°C  
(display shows HH.H / LL.L  
if out of this range)

Outdoor

-40°C to +70°C  
(display shows HH.H / LL.L  
if out of this range)

Temperature Resolution

1°C

Temperature measurement accuracy:

+/-1°C in the range 0°C to 20°C

Alarm Duration:

2 minutes

Snooze Duration:

5 - 60 minutes

HF transmission frequency of the sensor:

433MHz

Transmission range:

up to 30m in open space without  
electromagnetic interference  
power adapter DC4.5V/200 mA  
(included)

Power supply for the main unit:

Backup battery:

1 x 3V type CR2032 battery

Power supply for the sensor:

2 x 1.5V type AAA  
(not included)

Dimensions of the main unit:

196 x 106 x 39 mm (w x h x d)

Weight:

220 g

Sensor dimensions:

50 x 105 x 35 mm

Weight:

45 g

# SENCOR®

## EN Warranty conditions

Warranty card is not a part of the device packaging.

This product is warranted for the period of 24 months from the date of purchase to the end-user. Warranty is limited to the following conditions. Warranty is referred only to the customer goods using for common domestic use. The claim for service can be applied either at dealer's shop where the product was bought, or at below mentioned authorized service shops. The end-user is obligated to set up a claim immediately when the defects appeared but only till the end of warranty period. The end user is obligated to cooperate to certify the claiming defects. Only completed and clean (according to hygienic standards) product will be accepted. In case of eligible warranty claim the warranty period will be prolonged by the period from the date of claim application till the date of taking over the product by end-user, or the date the end-user is obligated to take it over. To obtain the service under this warranty, end-user is obligated to certify his claim with duly completed following documents: receipt, certificate of warranty, certificate of installation.

### **This warranty is void especially if apply as follows:**

- Defects which were put on sale.
- Wear-out or damage caused by common use.
- The product was damaged by unprofessional or wrong installation, used in contrary to the applicable instruction manual, used in contrary to legal enactment and common process of use or used for another purpose which has been designed for.
- The product was damaged by uncared-for or insufficient maintenance.
- The product was damaged by dirt, accident of force majeure (natural disaster, fire, and flood).
- Defects on functionality caused by low duality of signal, electromagnetic field interference etc.
- The product was mechanically damaged (e.g. broken button, fall).
- Damage caused by use of unsuitable media, fillings, expendable supplies (batteries) or by unsuitable working conditions (e.g. high temperatures, high humidity, quakes).
- Repair, modification or other failure action to the product by unauthorized person.
- End-user did not prove enough his right to claim (time and place of purchase).
- Data on presented documents differs from data on products.
- Cases when the claiming product cannot be indentified according to the presented documents (e.g. the serial number or the warranty seal has been damaged).

### **Authorized service centers**

Visit [www.sencor.eu](http://www.sencor.eu) for detailed information about authorized service centers.