

# SENCOR®

## SWS 260



INSTRUCTION MANUAL

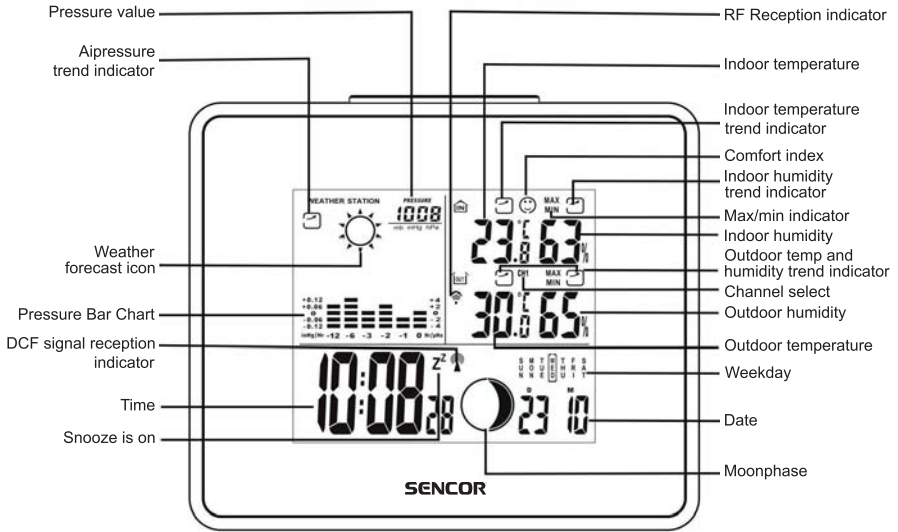
WEATHER FORECAST STATION

EN

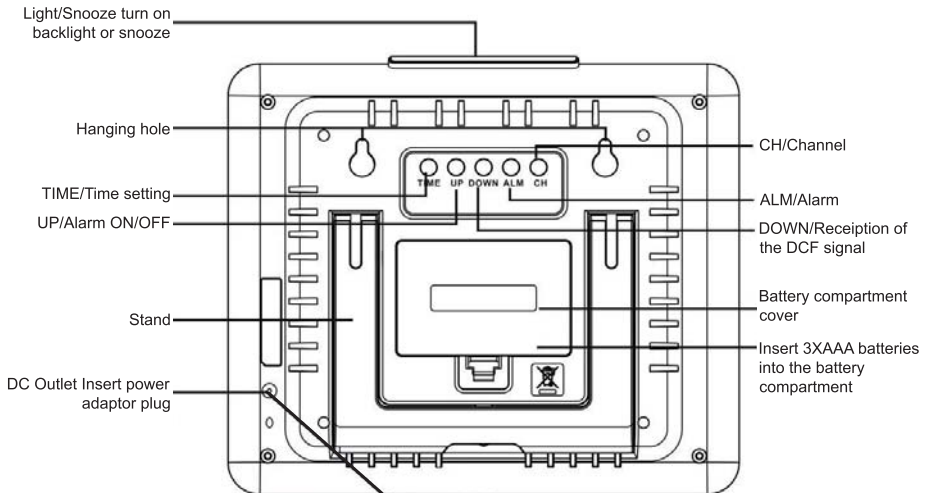
Thank you for your decision to purchase this device. Keep the user's manual in case of future need.

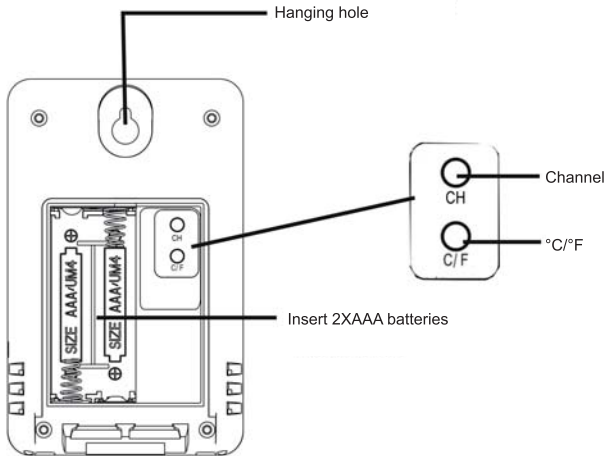
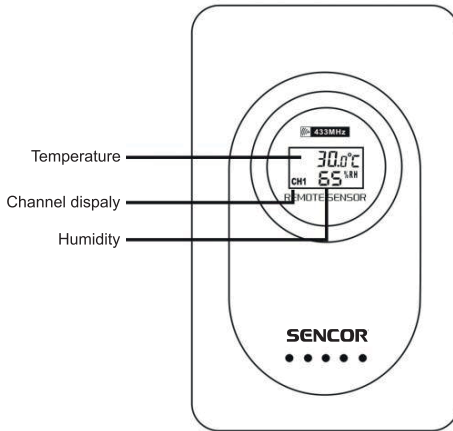
# DESCRIPTION OF THE DEVICE

## Front view



## Rear View





The device consists of the main unit with a radio controlled clock and one outdoor temperature and humidity measuring unit equipped with a temperature and humidity sensor. The measured temperature is wirelessly transmitted to the main unit and displayed on its display. One main unit can connect with max 3 different sensors.

The main unit is powered by a power adapter, clock and alarm setting are backed up using 3XAAA batteries, the external temperature and humidity sensor is powered by 2X AAA batteries.

### Installation location of the sensor

- The cover of the external sensor is not water-proof. 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 skewed by the effect of sunlight.

# EFFECT OF THE ENVIRONMENT ON SIGNAL RECEPTION OF THE TIME STANDARD DCF77

The clock is controlled by the received signals of the time standard. These signals are affected (but not limited) by the following factors:

- distance between the transmitter and the receiver
- vicinity of valleys or mountains
- vicinity of power poles and high voltage power lines
- vicinity of a highway, railway, airport, etc
- vicinity of a large construction site, reinforced concrete buildings, etc
- vicinity of electrical appliances, particularly televisions, microwave ovens, high performance loudspeakers, etc. devices
- vicinity of moving motor vehicles
- vicinity of metal structures and a range of other objects and circumstances not indicated in this short overview

Locate the main unit in a location where a strong signal of the time standard can be expected (eg: near a window) as far away as possible from large metal buildings, structures and electrical devices, which are or under certain conditions may be the source of interference for the reception of the time standard signal.

## FOR THOSE IN A HURRY

1. Slide the cover on the rear side of the device's case to open the battery compartment cover and place 3XAAA batteries into the battery compartment according to correct polarity-it is marked inside the battery compartment
2. Insert the power adapter into a power socket, connect the power adapter cable plug into the DC outlet on the rear side of the device.
3. Open the transmitter battery cover, and insert 2 AAA batteries into the battery compartment according to correct polarity- it is marked inside the battery compartment. Immediately thereafter data will be transmitted from the sensor to the main unit. For the purpose of performing the tasks described in this step, it is appropriate for the main unit and the external sensor to be located to each other- eg, on a table
4. After the main unit receives all the data (Information about the temperature in the installation location of the external sensor) the main unit will start searching for the time standard signal (transmitted by the DCF transmitter located in Germany).

Reception of the signal from the DCF transmitter is indicated on the display of the main unit by the appropriate icons.

The time standard signal is being received	The "📡" icon is flashing
After successful reception	The "📡" icon is flashing
Unsuccessful reception	The icon is not display

## Additional information

Pressing DOWN button on the device in the operating mode will display information about the reception mode and signal strength from the DCF transmitter on the display of the main unit. The signal strength of the DCF transmitter is indicated on the display by one (weak) to three bars (strongest)-during standard use of the device there are two to three bars (signal strength fluctuates) shown on the display.

## Auomatic and manual reception of the time standard

- Time of automatic RCC signal receiving: 2:03 a.m., 3:03 a.m., 4:03 a.m. and 5:03 a.m.. If the reception is successful, it will not enter the receiving again that day. RCC receiving time is 10 minutes.
- To start manual reception of the standard, hold DOWN button. Press the button again to end the reception of the standard
- During the time when the time standard signal is being received by the device, other buttons on the main unit are disabled.
- The value of the measured outdoor temperature will stabilise after approx 30 minutes of the operation of the external sensor

## Effective range of the external sensor

The maximum effective range of the outdoor sensor is up to approx.30 meters and is affected by obstacles found in the area between the sensor and the main unit, in particular walls, ceilings, doors, windows, etc.







## SETTING THE CLOCK

1. At normal status, hold TIME for 3 seconds to enter into time setting.
2. The setting item display area flash.
3. The setting sequence is Year → MD/DM → month → date → 12/24 hour → hour → minute → Time zone → Exit
4. During setting, press UP or DOWN to adjust it and press TIME to confirm the setting.

## ALARM SETTING





1. At normal status, press ALM for 3 seconds into alarm setting. When it shows AL1, then hold ALM to enter into AL1 time setting. When it shows AL2, then hold ALM to enter into AL2 time setting.
2. At setting status, the setting item will flash., and press ALM to enter into next setting. The sequence of setting is ALARM hour –ALARM minute –exit.
3. During setting, press UP or DOWN to adjust it and press ALM to confirm the setting

## Additonal information

- At normal status, press UP to on/off ALARM function, the sequence is AL1 ON (Display  –AL2 ON (Display  –AL1&AL2 ON (Display  and  –AL1&AL2 OFF
- To pause the alarm, press SNOOZE/LIGHT button-  or  and Zzz will start flashing on the display. The alarm will continue sounding after 5 minutes.
- End the activated alarm by pressing any key except for the SNOOZE/LIGHT button- the alarm will repeat after 24 hours
- Change the alarm program by programming a new alarm




## WEATHER FORECAST

The device is equipped with a weather forecast function by which the main weather indicators are graphically shown on the display; they are valid for a limited time for the installation location of the device. The weather forecast is valid for the upcoming 12 to 24 hours.

Weather forecast icon	Type of forecast weather
	Sunny
	Cloudy
	Cloudy
	Rainy

## COMFORT INDEX

This device is equipped with comfort index function by which comfort levels are graphically shown on the display

COMFORT LEVEL	ICON DISPLAY	TEMPERATURE RANGE	HUMIDITY RANGE
DRY		-5 °C to +50 °C	under 40 %
COMFORT		+20 °C to +28 °C	40% to 70 %
WET		-5 °C to +50 °C	Over 70 %
NO INDICATION	-	Less than 20 °C or more than 28 °C	Less than 40 % or more than 70 %

## TREND INDICATOR INDOOR/OUTDOOR

The device is equipped with indoor/outdoor temperature and humidity trend indicator.



raising



steady



falling

### Additional information:

- The temperature trend indicator is based on the difference between a recorded temperature and the current temperature. When the current temperature is at least 1°C higher than the recorded, the arrow will point up and the current temperature becomes the recorded.
- If the temperature is at least 1°C lower than the recorded value, the arrow will point down and the current temperature becomes the recorded. In all other cases, the arrow will be flat.
- The humidity trend indicator is based on the difference between a recorded humidity and the current humidity. When the current humidity is at least 3% higher than the recorded, the arrow will point up and the current humidity becomes the recorded.
- If the humidity is at least 3% lower than the recorded value, the arrow will point down and the current humidity becomes the recorded. In all other cases, the arrow will be flat.
- The pressure trend indicator is based on the difference between a recorded pressure and the current pressure. When the current pressure is at least 2mb higher than the recorded, the arrow will point up and the current pressure becomes the recorded.
- If the pressure is at least 2mb lower than the recorded value, the arrow will point down and the current pressure becomes the recorded. In all other cases, the arrow will be flat.

## AIRPRESSURE FUNCTION

This device is equipped with airpressure function by which the airpressure value and historical airpressure value are shown on the display.

- The range of air pressure: 800mb ~ 1100mb
- After power on, hold UP for 3 seconds into the pressure testing status. There is useless to press any key. Reset it for returning the normal status. When into pressure testing, there is BI sound. The unit is hPa/mb.
- At normal status, hold UP for 3 seconds to switch the pressure unit mb, Hpa/inHg. (switch C/F at the same time).
- Airpressure historical record. Air pressure bar chart indicates record of last 12 hours.

## INSTRUCTION FOR HANDLING THE DEVICE

The device is a precision product taking advantage of the latest knowledge in the field and requires corresponding handling.

- Protect the device against impacts and being dropped
- Do not use force when handling the device
- Protect the device against extreme temperature, direct sunlight
- Do not disassemble the device; do not perform any repairs on the device.

## TECHNICAL SPECIFICATIONS

<b>Provozní teplota</b>	0 – +45 °C
<b>Temperature measurement range</b>	
- Inside temperature	0 – +50 °C
- Outdoor temperature	-20 – +60 °C
<b>Temperature measurement accuracy</b>	+/-1,5°C
<b>Humidity measurement range</b>	20 – 99 % RV
<b>Humidity measurement accuracy</b>	+/-5% RV
<b>Durating of the alarm</b>	1 minute
<b>RF frequency</b>	433 MHz
<b>Transmission range</b>	up to 30 m in the open area.
<b>Power source:</b>	
<b>Main unit</b>	3 x 1.5 V type AAA batteries + power adapter DC 4.5V, 150 mA (power supply is included)
<b>Outdoor sensor</b>	2 x 1.5 V type AAA batteries
<b>Dimensions and weight:</b>	
<b>Main unit</b>	13.6 x 16.1 x 3 cm, 467 g
<b>Outdoor sensor</b>	9.5 x 6 x 3 cm, 60 g

## INSTRUCTIONS AND INFORMATION REGARDING THE DISPOSAL OF USED PACKAGING MATERIALS

Dispose of packaging material at a public waste disposal site.

## DISPOSAL OF USED ELECTRICAL AND ELECTRONIC APPLIANCES



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 fines.

### 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.



The product meets EU requirements.

Hereby, FAST ČR, a.s. declares that the radio equipment type SWS 260 is in compliance with Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following internet address: [www.sencor.eu](http://www.sencor.eu)

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

The original version is Czech.

Manufacturer: Fast CR, a.s. , Černokostelecká 1621 , CZ 251 01 Říčany, Czech Republic

# 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.