

SENCOR®

SWS 280



User's manual

Uživatelská příručka

Používateľská príručka

Felhasználói kézikönyv

Instrukcja użytkownika

WEATHER STATION

METEOROLOGICKÁ STANICE

METEOROLOGICKÁ STANICA

METEOROLÓGIAI ÁLLOMÁS

STACJA POGODOWA

EN

CZ

SK

HU

PL

1. FEATURES

- 1.1 Weather Forecast**
 - Sunny, Slightly Cloudy, Cloudy, Rainy and Snow animation

- 1.2 Time**
 - Radio Controlled Time
 - Perpetual Calendar Up to Year 2099
 - Day of week in 8 languages user selectable
 - Daily Alarm Function

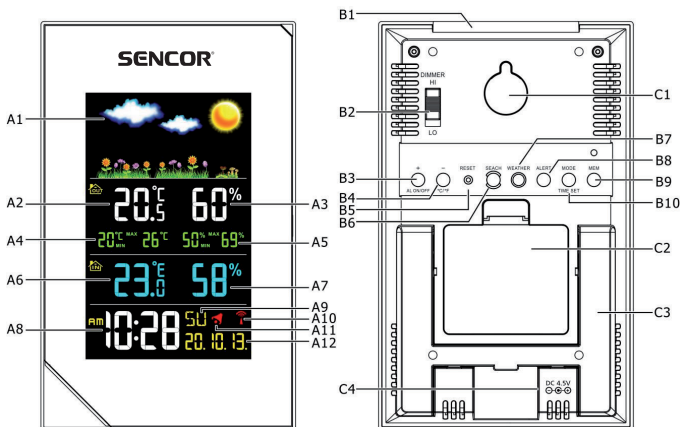
- 1.3 Humidity**
 - Indoor & Outdoor measurable range: 20 ~ 99%
 - Outdoor Humidity Record from Start-Up/Reset, and the corresponded time
 - 24 Hours Min/Max Display for Outdoor Humidity

- 1.4 Temperature**
 - Indoor measurable range: -10 ~ 50°C
 - Measures °C / °F user selectable
 - Outdoor measurable range: -20 ~ 50°C
 - Outdoor Temperature Record from Start-Up/Reset, and the corresponded time
 - 24 Hours Min/Max Display for Outdoor Temperature

- 1.5 Wireless Outdoor Sensor**
 - Low-battery indicator for Outdoor Thermo Sensor
 - Wall Mount or Table Stand
 - One Wireless Thermo Sensor Included
 - 433MHz RF transmitting frequency

- Transmission range up to 30 m in open space.

2. MAIN UNIT APPEARANCE



2.1 Part A- LCD

- A1: Weather Forecast
- A2: Outdoor Temperature
- A3: Outdoor Humidity
- A4: Outdoor Temperature Memory
- A5: Outdoor Humidity Memory
- A6: Indoor Temperature

- A7: Indoor Humidity
- A8: Time
- A9: Day of Week/ Second
- A10: Radio Controlled Icon
- A11: Alarm Icon
- A12: Date

2.2 Part B- Buttons

- B1: "SNOOZE/LIGHT" button
- B2: DIMMER "HI/LO" Slide Switch
- B3: "+/ (AL ON/OFF)" button
- B4: "-" button
- B5: "RESET" button

- B6: "SEARCH" button
- B7: "WEATHER" button
- B8: "ALERT" button
- B9: "MEM" button
- B10: "MODE/TIME SET" button

2.3 Part C - Structure

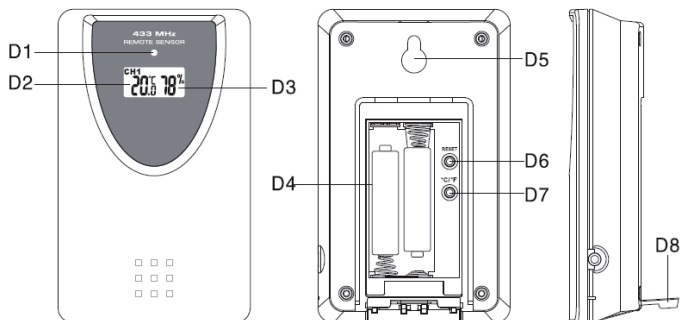
C1: Wall Mount Hole

C2: Battery Cover

C3: Stand

C4: DC Input

3. OUTDOOR THERMO SENSOR



D1: Transmission Indication LED

D2: Outdoor Temperature display

D3: Outdoor Humidity display

D4: Battery Compartment

D5: Wall Mount Hole

D6: "RESET" button

D7: "C/F" button

D8: Stand

4. GETTING STARTED



4.1 Main Unit:

- Plug in adapter or remove rear compartment and insert batteries
- When connecting with the adaptor on the premise that AA batteries have been installed correctly, this product will switch to the external power supply automatically

4.2 Outdoor Thermo Sensor

- Batteries compartment of thermo sensor is locating behind the back cover.
- Insert 2 x AAA batteries observing polarity [“+” and “-“ marks]

5. INSTALLATION

5.1 Main Unit

The main unit can be placed onto any flat surface (C3), or wall mounted by the hanging hole (C1) at the back of the unit.

5.2 Outdoor Thermo sensor

The remote sensor should be securely mounted onto a horizontal surface.

Note: *Transmissions between receiver and transmitter can reach up to 30m in open area. Open Area: there are no interfering obstacles such as buildings, trees, vehicles, high voltage lines, etc.*

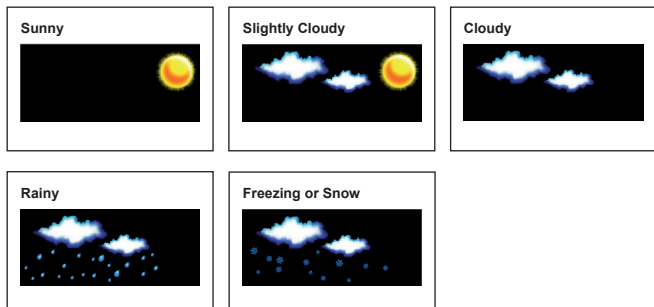
6. WEATHER FORECAST FUNCTION

6.1 Operation

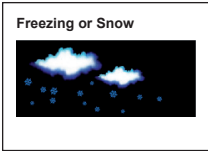

- After the main unit is first plugged, or holding “WEATHER” button (B7) for 3 seconds, weather icon flash (A1) on the LCD. Enter the current weather by pressing “+” (B3) or “-” (B4) button. Press “WEATHER” (B7) button to confirm the setting. The weather forecast may not be accurate if the current weather entered is not correct.
- The current weather status should be entered again if the altitude of the Main Unit is changed. The weather station will forecast weather 6 -8 hours ahead after the weather forecast is accurate. (Barometric pressure is lower at higher altitude location. Therefore, altitude change will affect the weather forecast).

6.2 Weather Conditions

There are totally 5 different weather status animations in the weather forecast.



Note:

- “  “ is shown if the weather forecast is Rainy and outdoor temperature (any channel) under 0°C.
- Frost Alert: “  ” is shown if the outdoor temperature (any channel) is between -2°C ~ +3 °C
- If there is any inconsistency of weather forecast between Local Weather Station and this unit, the Local Weather Station's forecast should prevail. The manufacture will not hold responsible for any trouble that may come up due to wrong forecasting from this unit.


Installation location of the outdoor 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 it 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.

7. THERMOMETER

7.1 RF Transmission Procedure:

- The main unit automatically starts receiving transmission from outdoor thermo sensor for outdoor temperature & humidity after weather condition setting.
- The outdoor sensor will automatically transmit temperature and humidity signal to the main unit after batteries inserted.
- If main unit failed to receive transmission from outdoor thermo sensor in first 3 minutes after the batteries inserted (“- . -”display on the LCD), hold “SEARCH” button (B6) for 3 seconds to receive transmission manually. RF icon “” flashes on the LCD

7.2 Temperature & Humidity

- (1) Past 24 Hours Maximum / Minimum Outdoor Temperature and Humidity
 - After start up, the unit automatically shows past 24 hours maximum & minimum outdoor temperature and humidity record. “**MAX**” & “**MIN**” show on the LCD
- (2) Recorded Maximum/Minimum Outdoor Temperature and Humidity from Start-up/Reset.
 - Press “MEM” button (B9) to view the maximum and minimum temperature and humidity record from start-up or reset. “**MEM**” display on the LCD.
 - When viewing the memory record, hold “MEM” button for 3 seconds to clear the maximum and minimum record.
 - When viewing the memory record, press “MEM” button (B9) again to check the corresponded time and date for memory maximum and minimum outdoor temperature & humidity record. The memory record value and corresponded time and date flash. Press “MEM” button select to view:
 - Time & date for minimum temperature memory record, Time and date for maximum temperature memory record, Time & date for

minimum humidity memory record, Time and date for maximum humidity memory record.








(3) Celsius / Fahrenheit

- Press “°C /°F” button (B4) to select Indoor/Outdoor Temperature in Celsius mode or Fahrenheit mode.
- If the temperature is out of the measurable range, LL.L (beyond the minimum temperature) or HH.H (beyond the maximum temperature) will be shown on the LCD.

(4) Humidity

- The humidity measurable range is 20% ~ 99%. If the current humidity measurement is lower than 20%, the LCD would display **20%**.
- For past 24 hours or memory maximum/minimum humidity record. If the record is lower than 20%, the LCD would display **20%**.




(5) Outdoor Temperature Alert Function



- Press “ALERT” button (B8) to select to activate or deactivate outdoor temperature alert function.
- press ALERT button select to:
 - Active outdoor upper temperature alert, the icon “” besides outdoor temperature digit would display.
 - Active outdoor upper & lower temperature alert, the icon “” besides outdoor temperature digit would display.
 - Active outdoor lower temperature alert, the icon “” besides outdoor temperature digit would display.
 - Deactivate outdoor temperature alert, alert icon disappear.
- Hold “ALERT” button (B8) for 3 seconds to enter outdoor temperature alert setting. Icon “” or “” beside Temperature’s digits flash. Press “+” or “-” button to adjust the setting value, press “ALERT” (B8) to confirm the setting. Setting Sequence as follow: Upper limit of temperature, Lower limit of Temperature.
- When it’s alert, the corresponding icon “” or “” and temperature digit would flash on the LCD. Press any buttons to stop the alert sound, otherwise, it will sound for 2 minutes, and stop automatically.

8. TIME AND ALARM SETTING

8.1 Radio Controlled Clock:

- After start up and main unit finishes receiving the transmission from outdoor sensor, the clock automatically starts to scan the DCF time signal. Radio Control Icon “” flashes on the LCD.

 flashes, indicating now is receiving DCF signal	 turns on, indicating signal received successfully	 disappear, indicating signal reception failed
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- The clock automatically scans the time signal at 3.00 a.m. every day to maintain accurate timing. If reception fail, scanning stops (“” on LCD disappear) and repeats again at 4.00 a.m. 5.00 a.m. and 6.00 a.m.
- The clock can be set to scan the time signal manually by holding “+” and “-” buttons (B3 & B4) for 3 seconds. Each reception takes about 5 minutes. If receptions fail, scanning stops. (“” on LCD disappear) and repeats again on next full hour. E.g. scanning failed at 8:20 a.m. It will scan again at 9:00 a.m.
- Stop scanning by holding “+” and “-” buttons (B3 & B4) for 3 seconds.
- “DST” shown on the LCD if it is in Daylight Saving Time Mode.

8.2 Manual Time Setting:

- Hold “MODE” button (B10) for 3 seconds to enter Clock/Calendar setting mode.
- Press “+” (B3) or “-” (B4) button to adjust the setting and press “MODE” button (B10) to confirm each setting.
(By keeping the “+” (B3) or “-” (B4) button pressed, could accelerate the process and reach the desired value more quickly)
- The setting sequence is shown as follow: 12/24 Hour, Time Zone, Hour, Minutes, Second, Year, Month, Day, Day-of-week language.
- 8 languages can be selected in Day-of-week, they are: German, French, Spanish, Italian, Dutch, Denmark, Russian, and English.
- The languages and their selected abbreviations for each day of the week are shown in the following table.

Language	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
German, GE	SO	MO	DI	MI	DO	FR	SA
English, EN	SU	MO	TU	WE	TH	FR	SA
Russian, RU	BC	ПН	BT	CP	ЧТ	ПТ	СБ
Denmark, DA	SO	MA	TI	ON	TO	FR	LO
Dutch, NE	ZO	MA	DI	WO	DO	VR	ZA
Italian, IT	DO	LU	MA	ME	GI	VE	SA
Spanish, ES	DO	LU	MA	MI	JU	VI	SA
French, FR	DI	LU	MA	ME	JE	VE	SA

Note:

- (1) Second adjusted to zero only.
- (2) The Time Setting Mode will automatically exit in 15 seconds without any adjustment.
- (3) The Time zone is used for the countries where can receive the DCF time signal but the time zone is different from the German time. When the country time is faster than the German time for 1 hour, the zone should be set to +1. Then the clock will automatically set 1 hour faster from the signal time received.

8.3 Daily Alarm Function:

- Press “MODE” button (B10) to select to view:

Time → Time & Day of Week → Alarm Time (“AL” shown on the LCD)
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- When viewing the Alarm Time, hold “MODE” button (B10) for 3 seconds to enter Alarm Time setting. Press “+” (B3) or “-” (B4) button to adjust the alarm time. Press “MODE” button (B10) to confirm the setting.
- Press “AL ON/OFF” button (B3) to switch alarm on or off. If it is on, “🔔” shown on the LCD.
- When Alarming, press “SNOOZE / LIGHT” button (B1) to activate the snooze alarm, (“🔔” flash on the LCD). The alarm will snooze for around 5 minutes, then it alarms again. This snooze function can be enabled for maximum 7 times.

- Except “SNOOZE” button, press any buttons to stop the snooze alarm. Otherwise, the alarm signal sounds for about 2 minutes, and then stops automatically.

9. LOW BATTERY INDICATION

The low battery icon “” will appear indicating that thermo sensor is in low battery status. The batteries should be replaced.

10. BACKLIGHT

- Slide Dimmer Hi/Lo Switch (B2) to select the bright or dark display
- Press “SNOOZE/LIGHT” button (B1), back light states for 5 seconds.

11. PRECAUTIONS

- *Use a pin to press the reset button (B5) if the Unit does not work properly.*
- *Avoid placing the clock near interference sources/metal frames such as computer or TV sets.*
- *The clock loses its time information when the battery is removed.*
- *Do not expose it to direct sunlight, heavy heat, cold, high humidity or wet areas*
- *The outdoor sensor must not be set up and installed under water. Set it up in away direct sunlight and Rain*
- *Never clean the device using abrasive or corrosive materials or products. Abrasive cleaning agents may scratch plastic parts and corrode electronic circuits*
- *If there is any inconsistency of weather forecast between Local Weather Station and this unit, the Local Weather Station's forecast should prevail. The manufacturer will not take responsible for incorrect forecasting from this unit*

12. TECHNICAL PARAMETERS

DCF Radio Controlled Clock

Days of the week (abbreviations) in 8 languages

Repeating daily alarm

Weather forecast

Indoor and outdoor temperature and humidity

Indoor temperature range: $-10\text{ }^{\circ}\text{C}$ to $50\text{ }^{\circ}\text{C}$ +/- $1\text{ }^{\circ}\text{C}$

Outdoor temperature range: $-20\text{ }^{\circ}\text{C}$ to $50\text{ }^{\circ}\text{C}$ +/- $1,5\text{ }^{\circ}\text{C}$

Indoor and outdoor humidity range: 20 to 99 % RH +/- 7% RH

Records min. and max. temperatures over a 24 hour period

Table or wall installation possible

One wireless sensor included

Transmission frequency: 433 MHz

Transmission range: up to 30 m in open space without interference

Power source:

Weather station: battery 3 x 1.5V type AA (not included)

Power adapter: DC 4.5V / 150 mA (included)

Sensor unit: battery 2 x 1.5V type AAA (not included)

Dimensions:

Weather station: 121 x 28 x 195 mm, weight 335 g

Sensor: 95 x 60 x 25 mm, weight: 65 g



Fast ČR, a.s. declares that SWS 280 + SWS TH280 conform to the basic requirements and other relevant provisions of the 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.

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.

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

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 for detailed information about authorized service centers.