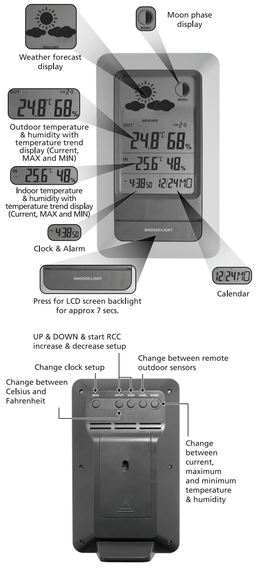
SENCOR®

SWS 200 Weather Station

Wireless Weather Forecaster with Digital Alarm Clock

Features

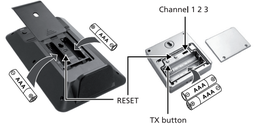
- Outdoor temperature and humidity sensor
- Transmits wirelessly up to 98 feet (30 meters) away
- Predicts local weather patterns and trends and displays a corresponding weather icon (sunny, cloudy, partly cloudy, and rainy)
- Digital clock and calendar
- Desktop or wall-mounted



During initial installation, the temperature and humidity sensors may take up to an hour or more to acclimatise to current conditions. It is recommended for the main unit and the external sensors are put in the room where they will be used for at least 1 hour prior to initial installation.

Install batteries

1. Insert two AAA batteries into the sensor and two AAA batteries into the weather station, following the polarity symbols (+ and -) as marked.
2. Use a pointed object to press the **RESET** button on both units.
   a. Reset your system whenever the batteries are replaced or if the system malfunctions.
   b. When you press **RESET**, all settings will return to default value. All stored information will be lost.



Battery Notes

- Use alkaline batteries because they last longer or use customer category lithium batteries at temperatures below minus 20 °C (-4 °F)
- Replace the batteries when the battery icon appears or the display dims.
- Dispose of batteries promptly and properly.
- Do not burn or bury batteries.
- Use only fresh batteries of the required size and recommended type.
- Do not mix old and new batteries, different types of batteries (standard, alkaline, or rechargeable), or rechargeable batteries of different capacities.
- If you do not plan to use the thermometer for a month or more, remove the batteries. Batteries can leak chemicals that can destroy electronic parts.

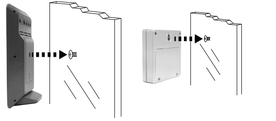
Set the Sensor and Weather Station

1. If you have more than one sensor, set the channel by switching CHANNEL 1, 2, 3 inside the battery compartment. The battery compartment of the sensor can be removed by a small screw driver. Press the **TX** button once after switching channel.
2. Place the sensor near the weather station.
3. Press and hold **CHANNEL** button to search for the sensors.

Icon	Description
CH 1 → CH 1 2 3	The weather station is searching for a sensor.
OUT 24.8°C 68%	A sensor channel has been found.
OUT ---.-°C --%	The sensor channel cannot be found.

Place the Weather Station and Sensor

- The weather station should always be placed in a well ventilated indoor area and located away from vents, heating or cooling elements, direct sunlight, windows, doors, or any other openings.
- The sensor can be located on a flat surface inside or outside a building. The sensor should not be exposed to the effects of water and moisture. 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. Make sure that the sensor is no further than 30 m from the weather station and that there are as few obstacles as possible between it and the weather station. Every building obstacle reduces the transmission range. In reality it may only be several meters!
- 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. Please remember that the temperature is also affected by the height of the sensor above the terrain. A height of 1.25 m above the ground is recommended.
- The weather station and sensor can both be wall mounted.



Using the Weather Station

1. Press **CHANNEL** to display the three different sensor channels.
2. Select the temperature format by pressing the **UP/°C/°F** on the weather station.

Maximum & Minimum Recorded Temperature & Humidity

1. The weather station displays the current, minimum, and maximum temperatures.
2. Press **MAX/MIN** button to change between current, minimum, and maximum temperatures & humidity.
3. When the maximum or minimum recorded temperature & humidity is showing, press and hold **MAX/MIN** button to clear all records.

Trend teplotty

1. indicates the temperature is in a increasing trend.
2. indicates the temperature is in a no change trend.
3. indicates the temperature is in a decreasing trend.

Weather Forecast Display

Sunny	Slightly Cloudy	Cloudy	Rainy

The weather forecast based on the collected data is valid for the next 12 to 24 hours. However, this does not apply for sudden changes in weather (e.g. sudden summer storms).

DCF Radio Controlled Clock

After battery installation and the remote sensors have been registered, the unit will automatically begin searching for the RC clock signal. When the unit is searching for the signal, you will see the RC signal icon flash on the LCD display. If this icon is not shown, press and hold "DOWN/RCC" button for 3-4 seconds until the RC signal icon is flashing.

The clock performs an automatic synchronisation with the radio control signal from the transmitter at these times: 02:05, 03:05, 04:05, 05:05,

The clock will synchronize automatically upon installation of batteries or after resting the clock. will flash when the clock is attempting to synchronize with the radio control. will flash when a strong signal is received and the clock will synchronize with the radio control. This process can take up to 2-3 minutes.
will stop flashing when signals are not received and the clock will not synchronize with the radio control. This process will cease after 2 minutes.
will flash when a weak signal is received and the clock will synchronize with the radio control. This process can take up to 10 minutes.

stops flashing and is shown, when the reception of the signal is successfully completed. Will not be displayed if the clock is not able to synchronize within this period of time. User may manually synchronize again at a later time or the clock will automatically attempts to synchronize at the above mentioned time.

Note:
If the signal is weak, move the main unit as close to the window as possible. Never place the unit in the vicinity of household electrical appliances. The signal strength is affected by weather that makes reception worse. This is typical for fog, heavy snow or even rain, which may occur between the location of use and the DCF signal transmitter. The transmitter is located in Frankfurt, Germany.

Please note all other clock / weather station settings seize to function when the clock is in RCC synchronization mode. Wait until the clock is no longer attempting to synchronize or it is synchronized to set other clock and weather station function.

Setting the time zone

When the set time, select the time zone clock radio. RCC time zone selectable ranges: -12 to +12 .
Press "mode" key for 3 seconds, hour will flish.Press the UP or DOWN button to adjust the hour.
Press the "mode" key again, minute will flish.Press the UP or DOWN button to adjust the minute.
Press the "mode" key again, "24H" will flish.Press the UP or DOWN button to select the 12/24 hours.
Press the "mode" key again, "ZONE 0 " will flish. Press the UP or DOWN button to select the desired time zone for the clock.

Set the clock

1. Press **MODE** button to change between current time and alarm time.
2. When current time is showing, press and hold **MODE** button on the weather station until the hour digits of the clock flashes.
3. Press **UP/°C/°F** or **DOWN** repeatedly to select and set the following options: hour, minutes, AM/PM or 24-hour clock, year, month/day day/month setting, month, date, language (EN for English; GE for German; FR for French; IT for Italian; NE for Dutch; ES for Spanish; DA for Danish)
4. Press **MODE** to confirm and go to the next setting.
5. Press **MODE** when all finished.

Set the alarm

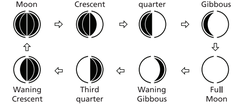
1. Press **MODE** button to change between current time and alarm time.
2. When alarm time is showing, press and hold **MODE** button on the weather station until the hour digits of the clock flashes.
3. Press **UP/°C/°F** or **DOWN** repeatedly to select and set the following options: hour, minutes.
4. Press **MODE** to confirm and go to the next setting.
5. Press **MODE** when all finished.

Activate the alarm

1. When alarm time is shown, press **UP/°C/°F** or **DOWN** to turn on the preset alarm time. will be shown.
2. When the alarm sounds, press any button on the back of the machine to turn off the alarm or press **SNOOZE/LIGHT** to activate snooze.
3. Alarm will sound again in 5 minutes.

View Moon Phase

1. Press the **MODE** button for 3 seconds to enter the clock, Year, Month, Day set state.
2. Press the **UP/°C/°F** or **DOWN** button to adjust the year, the moon phase corresponding change.
3. Press the **UP/°C/°F** or **DOWN** button to adjust the day of the month, the moon phase corresponding changes.
4. Can view the moon phase of past or future years, one month, one day monthly.
5. Monthly changes in the following figure.



Hints and Tips

If the weather station does not connect to the sensor, try the following:

- Press **TX** on the sensor and then press and hold the **CHANNEL** button.
- Relocate the sensor and / or the weather station until connection is found.
- Signals from other electronic devices may cause interference. Place the weather station and sensor away from these devices.
- The sensor may not function properly in extremely temperatures due to battery power. Replace the batteries or the unit will resume proper function in more moderate weather.

Warnings

- Do not subject the unit to excessive force, shock, dust, temperature or humidity.
- Do not immerse the unit in water.
- Do not remove any screws.
- Do not dispose this unit in a fire. **IT MAY EXPLODE.**
- Keep unit away from small children. The unit or parts of the unit might be a choking hazard.
- Never attempt to recharge the batteries in any other methods.
- Dispose the unit legally and recycle when possible.

Specifications

Indoor temperature measurement accuracy:	0°C to 40°C : +/- 1.5°C 40°C to 50°C : +/- 2°C
Outdoor temperature measurement accuracy:	-20°C to 0°C : +/- 2°C 0°C to 40°C : +/- 1.5°C 40°C to 50°C : +/- 2°C
Humidity measurement accuracy:	20% to 29% : +/- 7% 30% to 85% : +/- 5% 86% to 95% : +/- 7%
Transmission frequency:	433 MHz
Number of channels:	max. 3 channels
Transmission range:	up to 30 m in open space without electromagnetic interference
Power source:	batteries 2 x 1.5 V type AAA (batteries not included)
Power source of the sensor:	2 x 1.5 V type AAA (batteries not included)
Dimensions of the weather station (h x w x d):	160 x 100 x 46 mm
(h x w x d):	Dimensions of the sensor 64 x 64 x 20 mm
Weight of the weather station:	210 g
Weight of the sensor:	40 g

The product function maybe reset when it is subjected to electrostatic discharges. Follow the instruction described in this manual to set the function again for normal operation

Fast ČR, a.s. declares that SWS 200 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.

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.

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