SENCOR®

SWS 4250

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FRONT VIEW

① Time
② RCC Indicator
③ Color Weather forecast Icons
④ Channel display
⑤ Date
⑥ Month
⑦ Day
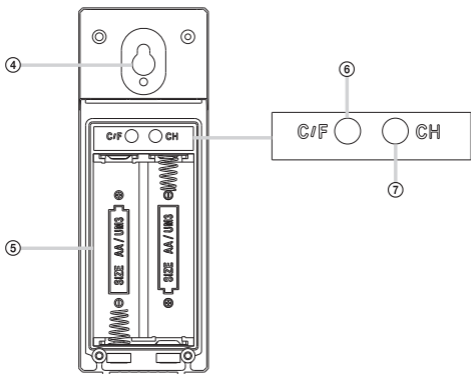⑧ Indoor temperature
⑨ Indoor humidity
⑩ Outdoor temperature
⑪ Outdoor humidity
⑫ Stand

REAR VIEW
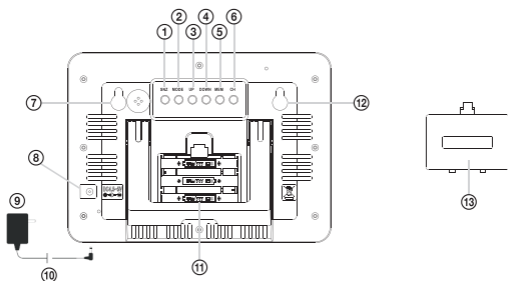
① Snooze
② Mode
③ UP
④ Down
⑤ Memory
⑥ Channel
⑦ Hanging hole
⑧ DC SOCKET
⑨ AC/DC ADAPTOR
⑩ INSERT AC/DC ADAPTOR JACK
⑪ Insert 3xAAA Battery Inside the Battery compartment
⑫ Hanging hole
⑬ Battery door
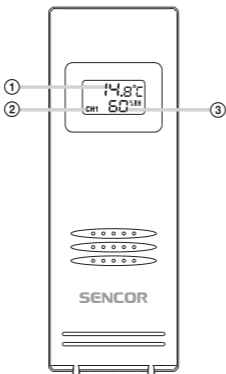
① Humidity
② Channel display
③ Temperature
④ Hanging hole
⑤ Insert 2×AA Battery
⑥ °C/°F
⑦ Channel

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 to max. 3 different sensors. The main unit is powered by a power adapter, clock and alarm setting are backed up with 3×AAA batteries, the external temperature and humidity sensor is powered by 2×AA batteries.

EFFECT OF THE ENVIRONMENT ON THE DCF77 TIME STANDARD SIGNAL RECEPTION

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 TV sets, microwave ovens, high performance loudspeakers, etc. Devices
- vicinity of moving motor vehicles
- vicinity of metal structures and a number of other objects, factors and circumstances not indicated in this short overview.

Put 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 3×AAA batteries into the battery compartment according to correct polarity marked inside
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×AA batteries into the battery compartment according to correct polarity marked inside. 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 near each other - e.g. on a table
4. When the main unit has received all data (information about the temperature in the installation location of the external sensor), it 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.

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 lighting
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 top three bars (signal strength fluctuates) shown on the display.

Automatic and manual reception of the time standard
- Time of automatic RCC signal reception: 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 be started again that day. RCC reception 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. Hold down the "MODE" key for 2 seconds to enter into time setting.
2. The setting option will flash at 1Hz during setting.
3. The sequence of time setting: 24/12H → Hour → Minute → Year (2000-2099) → D/M or M/D → Months Date → Language (Germany, French, Italian, Dutch, Spanish, Danish, English) → Exit.
4. Press "MODE" to confirm the setting, and enter the next setting option.
5. Press "UP" one time, the setting will go ahead by one step; hold down the key for 2 seconds, and it will run forward by 8 steps/ seconds.
6. Press "DOWN" one time, the setting will backward for one step; hold for 2 seconds, it will run back by 8 steps/second.
7. The system will exit automatically if no key is operated in 30 seconds.

ALARM SETTING

Press "MODE" to display alarm time, press "UP" or "DOWN" to turn on/off alarm function
1. Hold "MODE" key for 2 second to enter into alarm setting.
2. The setting option will flash at 1Hz during setting.
3. The sequence of alarm setting: Hour → Minute → Exit.
4. Press "MODE" to confirm the setting, and enter the next setting option.
5. Press "UP" one time, the setting will go ahead for one step; hold the keys for 2 seconds, it will run forward by 8 steps/seconds.
6. Press "DOWN" one time, the setting will go back by one step; hold down for 2 seconds, and it will run back by 8 steps/seconds.
7. The system will exit automatically if no key is operated in 30 seconds.
8. Enter into alarm setting, the alarm is turn on automatically.

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 24 hours. (Remark: Under open air, weather forecast will be accurate, but there will be some errors in the room or air-conditions.)

Weather forecast icon	Type of forecast weather
	Sunny
	Partly cloudy
	Cloudy
	Rainy

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 falling.
- 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.

ADAPTER TECHNICAL SPECIFICATIONS

Manufacturer's name or trade mark, commercial registration number and address:	ZHONGSHAN FUDUO TRANSFORMER MANUFACTURING CO.,LTD, 91442000732188635Q, BESIDE AUTOMOBILE ACCESSORIES CITY,ZHONGJIANG HIGHWAY ENTRY,DONGSHENG TOWN,528414 ZHONGSHAN,GUANGDONG, P.R.China
Model identifier:	FD35VD-5-150
Input voltage:	AC230-240V
Input AC frequency:	50Hz

Output voltage:	DC5.0V
Output current:	0.15A
Output power:	0.75W
Average active efficiency:	≥53.50%
Efficiency at low load (10 %):	65.65%
No-load power consumption:	≤0.10W

TECHNICAL SPECIFICATIONS

Operating temperature	0–+45 °C

Temperature measurement range:

- Indoor temperature	0–+50 °C
- Outdoor temperature	-20–+60 °C
Temperature measurement accuracy	+/-2 °C
Humidity measurement range	20–90 % RH
Humidity measurement accuracy	+/-8 % RH
Duration of the alarm	2 minutes
RF frequency	433 MHz

Transmission range up to 30 m in the open area.

Power source:

|	
Main unit	3 × 1.5 V type AAA batteries + power adapter DC 5.0 V, 150 mA (power supply included)
Outdoor sensor	2 × 1.5 V type AA batteries

Dimensions and weight:

Main unit	17.3 x 12.5 x 2.2 cm, 238 g
Outdoor sensor	3.8 × 2.4 × 10.8 cm, 40 g

SWS TH4250

OUTDOOR SENSOR FOR THE SWS 4250 WEATHER STATION

Insert two AA type batteries into the outdoor sensor while ensuring correct polarity. Set the required channel 1,2 or 3 using the CH button. The number of the selected channel will appear on the display. Close the cover. The sensor is ready for operation.
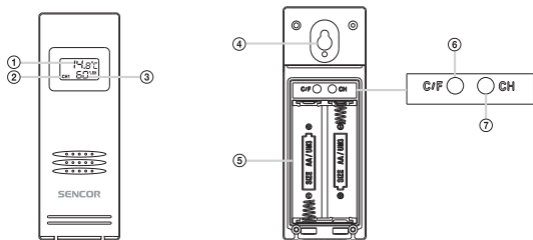
① Temperature
② Channel display
③ Humidity
④ Hanging hole
⑤ Insert 2×AA Battery
⑥ °C/°F
⑦ Channel

EFFECTIVE RANGE OF OUTDOOR SENSOR

The maximum effective range of the outdoor sensor is up to 30 meters and depends on obstacles in the area between the sensor the the main unit contained in the certain walls, ceilings, doors, windows, etc. The transmission range may also be affected by local electromagnetic interference. For this sensor, do not locate the device in the vicinity of electrical appliances.

INSTALLATION LOCATION OF THE SENSOR

- The cover of the external sensor is water-proof. Waterproofing grade: IP44.
- 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. You can find further information about the product in the user's manual of the weather station.

Temperature measurement range	
Outdoor temperature	-20–+60 °C
Temperature sensitivity	0.1 °C
Humidity measurement range	20–90 % RH +/-8 %
Humidity sensitivity	1 %
HF frequency	433 MHZ
Transmission range	Up to 30m in an open area
Weight of the product	40 g
Product dimension	38×24×108 mm

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 EU states 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 potentially negative impact on the environment and human health, which could be caused as a result of improper waste disposal. Please ask your local authorities or the nearest waste collection centre for further details. The improper disposal of this type of waste may be subject to penalties under national regulations.

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 your seller.

The product meets EU requirements.

Hereby, FAST ČR, a.s. declares that the radio equipment type SWS 4250 is in compliance with Directive 2014/53/EU.

For the full version of the EU declaration of conformity, please refer to the following website: www.sencor.com

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

The original version is Czech. Manufacturer:
FAST ČR, a.s., Černokostelecká 1621, Říčany CZ-251 01

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.