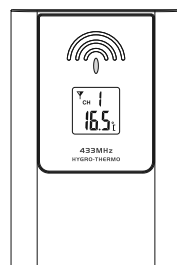
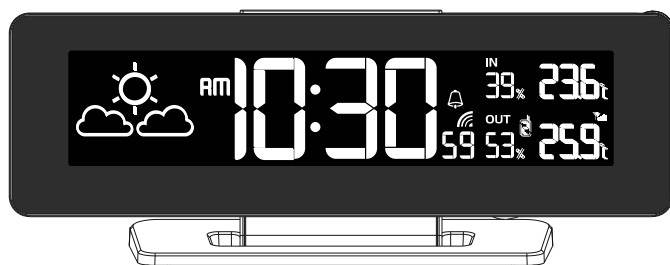


# SENCOR®

## SWS 8400



**USER MANUAL**

**UŽIVATELSKÁ PŘÍRUČKA**

**POUŽÍVATEĽSKÁ PRÍRUČKA**

**HASZNÁLATI ÚTMUTATÓ**

**INSTRUKCJA OBSŁUGI**

**WIRELESS THERMO-HYGRO  
ALARM CLOCK WITH COLOUR CHANGE  
& WEATHER FORECAST**

**BEZDRÁTOVÁ METEOROLOGICKÁ STANICE  
S BUDÍKEM, VOLITELNOU BARVOU PODSVÍCENÍ  
A PŘEDPOVĚDÍ POČASÍ**

**BEZDRÔTOVÁ METEOROLOGICKÁ STANICA  
S BUDÍKOM, VOLITELNOU FARBOU PODSVIETENIA  
A PREDPOVEĎOU POČASIA**

**VEZETÉK NÉLKÜLI METEOROLÓGIAI ÁLLOMÁS  
ÉBRESZTŐVEL, BEÁLLÍTHATÓ HÁTTÉRVILÁGÍTÁSI  
SZINNEL ÉS IDŐJÁRÁS ELŐREJELZÉSSSEL**

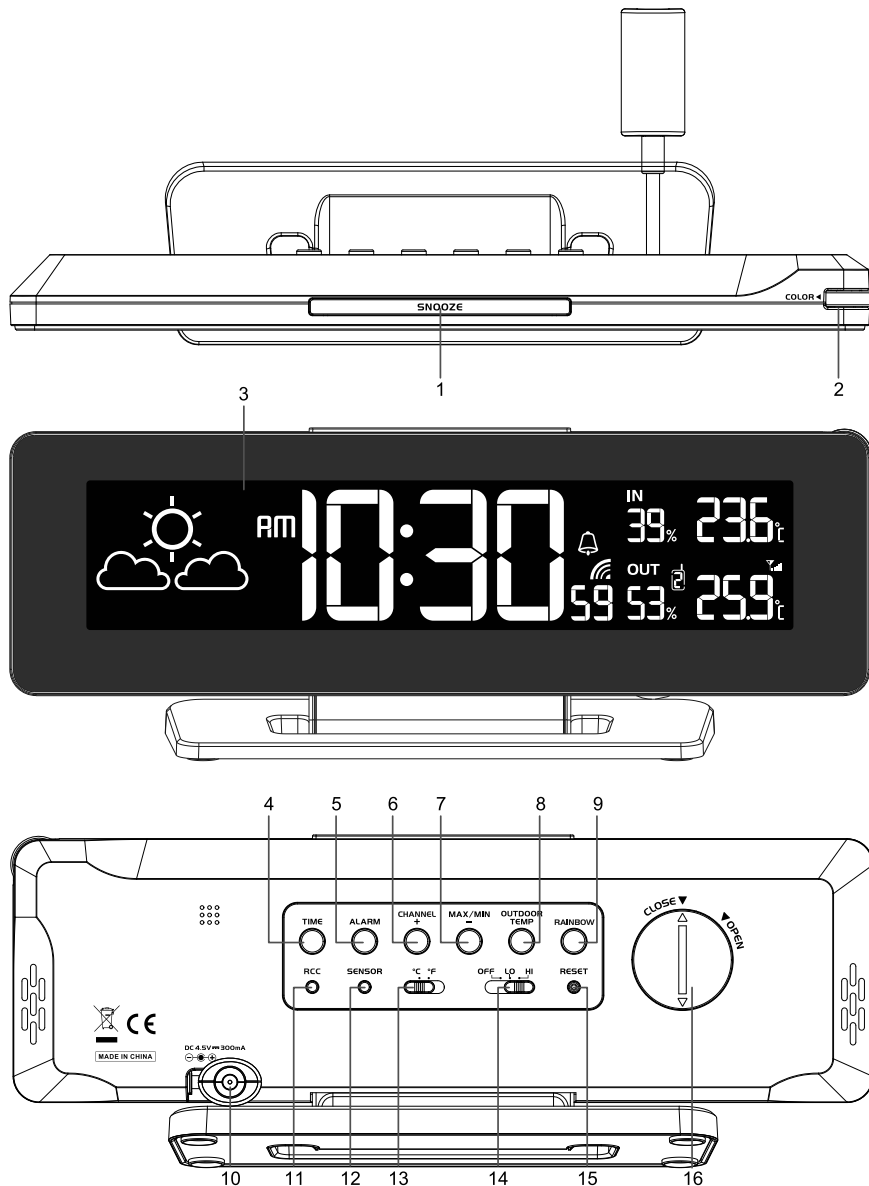
**BEZPRZEWODOWA STACJA POGODOWA  
Z BUDZIKIEM, OPCJONALNYM KOLEREM  
PODSWIETLENIA I PROGNOZĄ POGODY**

**EN CZ SK HU PL**

# INTRODUCTION

Thank you for your purchase of this delicate Wireless thermo-hygro alarm clock With Colour change & Weather forecast. The utmost care has gone into the design and manufacture of the clock. This manual is used for DCF and MSF version. Please read the instructions carefully according to the version you purchased and keep the manual well for future reference.

# OVERVIEW



1. **[ SNOOZE ]** key
  - When the alarm is sounding, press to stop the current alarm and enter snooze mode.
  - When the alarm is sounding, press and hold 2 seconds to stop the current alarm when sounding for 24 hours.
2. **[ Colour ]** Backlight colour control knob
  - Rotate the knob clockwise or anticlockwise to tune the backlight with 256 colour.
  - Press **[ Colour ]** knob to turn on or turn off the backlight colour change.
3. **LCD** display
4. **[ TIME ]** key
  - In normal time mode, press and hold 2 seconds to enter time setting mode.
  - In time setting mode, press to step next setting mode.
5. **[ ALARM ]** key
  - For alarm setting and operation.
6. **[ CHANNEL / + ]** key
  - In normal mode, press to switch between Channel 1~3 of outdoor sensors.
  - In normal mode, press and hold for 2 seconds to enter auto-cycle mode of Channel 1~3 readings.
  - During auto-cycle mode, press once to return to normal mode.
  - In setting mode, press to increase the setting values. (Hold it without releasing to speed up the setting).
7. **[ MAX / MIN / - ]** key
  - In normal mode, press to check the minimum and maximum records of temperature and humidity.
  - In setting mode, press to decrease the setting values (Hold it without releasing to speed up the setting).
8. **[ OUTDOOR TEMP ]** key
  - Press to enter Colour by temperature mode and change colour according to the outdoor temperature. Value that received from the wireless sensors. It has 17 backlight colours to display different temperature ranges.
9. **[ RAINBOW ]** key
  - When the backlight is on, press to change backlight colour in this sequence: white → red → orange → yellow → green → cyan → blue → purple.
10. Power jack
  - DC 4.5V 300mA.
11. **[ RCC ]** key
  - Press to receive the RC signal manually.
12. **[ SENSOR ]** key
  - Press to receive the data from the transmitter.
13. **[ °C/°F ]** slide switch
  - Slide to switch between Celsius and Fahrenheit.
14. **[ OFF / LO / HI ]** slide switch
  - Slide to **[ OFF ]** position to turn off the backlight.
  - Slide to **[ LO ]** position for the dimmer backlight.
  - Slide to **[ HI ]** position for the brighter backlight.
15. **[ RESET ]** key
  - Press to reset all values to default values.
  - In case of malfunction, press it to reset all values.
16. Battery door
  - Accommodates a button cell CR2032 for backup time and setting.

## WIRELESS HYGRO-THERMO OUTDOOR SENSOR

1. LED indicator
  - Flashes when the remote unit is transmitting.
2. LCD display to show the detected temperature or humidity of the sensor.
3. Wall mounting holder
4. **[ RESET ]** key
  - Press to restart the sensor.
5. **[ CHANNEL ]** slide switch
  - Assign the transmitter to Channel from 1 to 3.
6. Battery compartment
  - Accommodates 2 x AA size batteries.

## BEFORE USING THE OUTDOOR SENSOR

1. Remove the battery door.
2. Insert 2 x AA size batteries into the battery compartment. Make sure you insert them the right way according to the polarity information marked on the battery compartment.
3. Replace the battery door.

### NOTE:

- Once the channel is assigned to a sensor, you can only change it by removing the batteries or resetting the sensor, you also need to press the **[SENSOR]** key on main unit to pair this sensor.
- Avoid placing the transmitter in direct sunlight, rain or snow.

## BEFORE USING THE MAIN UNIT

1. Plug the adapter plug into the power jack.
2. Press **[ RESET ]** key to re-start the clock and it will synchronize the channels of transmitter automatically.

### NOTE:

3. To avoid the wireless sensor and main unit pairing failure, please power up the sensor/s first, and then press **[ RESET ]** key on the main unit (no need on sensors).
  - The building material and the position of the receiver and transmitter affect the effective range. So try various locations to obtain the best result.
  - Place the units away from metal objects and electrical appliances to minimize the interference. Position the receiver and transmitter within the effective transmission range: 30m in usual circumstances.

## DAYLIGHT SAVING TIME (DST)

The clock has been programmed to automatically switch when the daylight saving time is in effect. User can disable the DST function in time and calendar setting mode.

## RECEPTION OF RADIO CONTROLLED SIGNAL

The time and date are radio-controlled. The current time and date are automatically synchronized with the time signal transmitted from RC station.

User can disable or enable the RC function by press and hold the [ **RCC** ] key for 8 seconds.

## RCC SIGNAL STRENGTH INDICATOR

The signal indicator displays signal strength in 4 levels. Wave segment flashing means time signals are being received. The signal quality could be classified into four types:

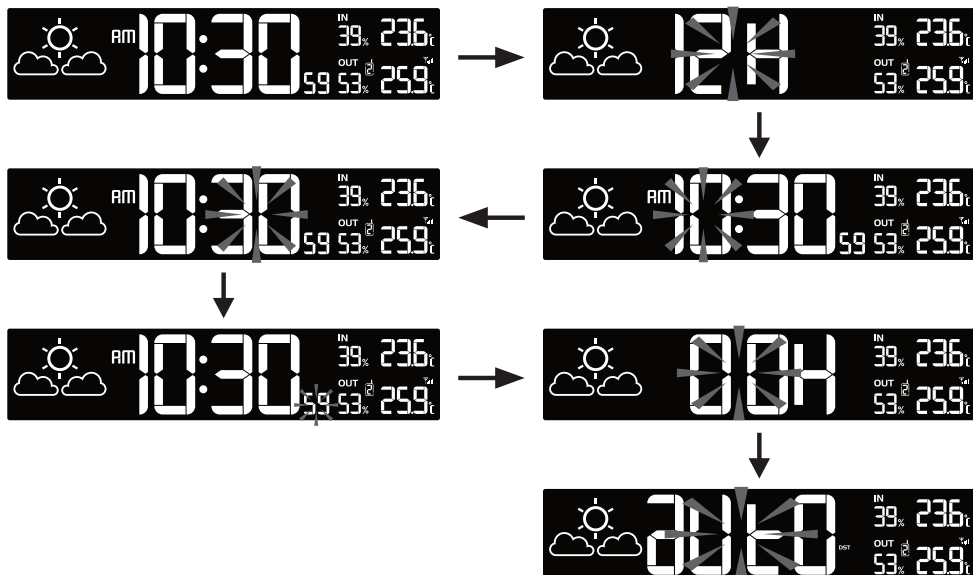
	
No signal quality	Weak signal quality
	
Acceptable signal quality	Excellent signal quality

- This unit will automatically search RCC signal at 2:00am , 8:00am, 2:00pm and 8:00pm per day.
- Always place the unit away from interfering sources such as TV set, computer, etc.
- Avoid placing the unit on or next to metal plate.
- Closed area such as airport, basement, tower block or factory is not recommended.
- Do not start reception on a moving article such as vehicle or train.

## TIME SETTING

If you are out of the reach of the Radio Controlled Transmitter or if the reception is not reachable, the time can be set manually. As soon as the transmitter is received again, the clock will automatically synchronize with received time.

1. In normal time mode, press and hold [ **TIME** ] key for 2 seconds to enter 12/24 hour format setting.
2. Press [ **CHANNEL / +** ] or [ **MAX / MIN / -** ] key to set your desired. (Press it without releasing to speed up the setting.)
3. Press [ **TIME** ] key again to step the setting items in this sequence: 12/24 hour format → Hour → Minute → Second → ±23 hour offset → DST AUTO/OFF.



4. Press [ TIME ] key to save and exit the setting mode, or the clock will automatically exit the setting mode 60 seconds later without pressing any button.

## ALARM ON/OFF

1. In normal time mode, press [ ALARM ] key to show the alarm time.
2. Press again to turn on/off alarm function and alarm icon “🔔” appearing/disappearing on display.

## USING ALARM AND SNOOZE

1. In normal time mode, press and hold [ ALARM ] key for 2 seconds until alarm Hour digit flashes to enter alarm time setting mode.
2. Press [ CHANNEL / + ] or [ MAX / MIN / - ] key to change the value (Press and hold the key to speed up the setting.)
3. Repeat the above operations to set alarm time in this order: Hour → Minute.
4. Press [ ALARM ] key to save and exit the setting, or the clock will automatically exit the setting mode 60 seconds later without pressing any button.

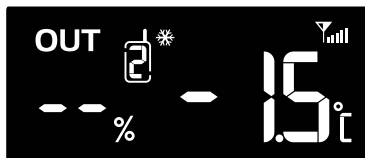


### NOTE:

- The alarm will be automatically turned on when you set the alarm time with the icon “🔔” displayed.
- Press [ SNOOZE ] button to stop the current alarm and enter snooze. Alarm icon will be flashing continuously. The alarm will sound again in 5 minutes. Snooze can be operated continuously in 24 hours.
- When the alarm is sounding, it will stop automatically without pressing any key in 2 minutes. Also you can press and hold the [ SNOOZE ] button key for 2 seconds or press [ ALARM ] button to stop the current alarm. And the alarm will automatically sound again at the alarm time next day.

## LOW TEMPERATURE ALERT

When the outdoor temperature is between 3°C ~ -2°C, the "❄️" icon will display.



## WEATHER FORECAST FUNCTION

The indoor console contains a built-in sensitive pressure sensor to predict the weather forecast for the next 12-24 hours.

Sunny	Partly cloudy	Cloudy	Rainy	Snowy

### NOTE:

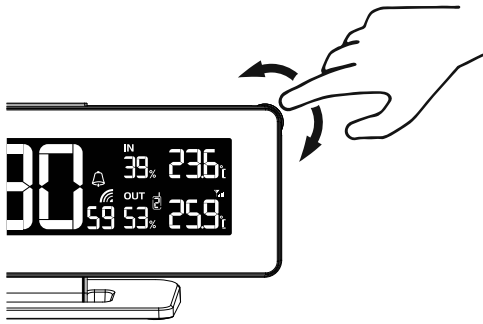
- If there is any inconsistency of weather forecast between any local weather station and this unit, the local weather station's forecast should prevail. The manufacturer is not responsible for any errors due to incorrect forecasting resulting from this unit.
- Snowy is base on outdoor temperature condition, once equal or below -3 °C

## CHECKING AND DELETING MAX / MIN TEMPERATURE AND HUMIDITY RECORDS

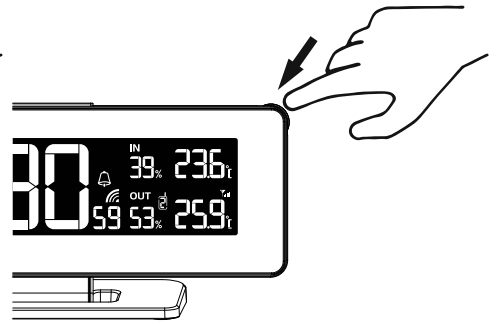
1. In normal time mode, press [ **MAX / MIN / -** ] key once to check the maximum temperature and humidity records. Press twice to check the minimum records. Press again to exit
2. During the record appear on the display, press and hold [ **MAX / MIN / -** ] key for 3 seconds to delete the maximum and minimum temperature and humidity records, with "beep" tone.

## COLOURFUL BACKLIGHT DISPLAY

1. Slide [ **OFF / LO / HI** ] slide switch to the [ **OFF** ] position to turn off the backlight. Slide to the [ **LO** ] position for the dimmer backlight. Slide to the [ **HI** ] position for the brighter backlight.
2. When the backlight is on, press [ **RAINBOW** ] key to change backlight colour. The backlight colour changes in this sequence: white → red → orange → yellow → green → cyan → blue → purple.
3. Rotate [ **Colour** ] knob clockwise or anticlockwise to tune the backlight with 256 colour.
4. Press [ **Colour** ] knob to turn on or turn off the backlight colour changing mode.



Rotate [ Colour ] knob




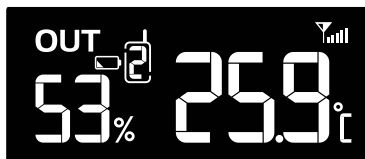
Press [ Colour ] knob

1. Press [ **OUTDOOR TEMP** ] key to enter Colour by temperature mode and change colour according to the temperature value that received from the wireless sensors. It has 17 backlight colours to display different temperature ranges.


#	Temperature Range (°C)	Colour
1	≤ -20	Dark Blue
2	-19.9 ~ -11	Light Blue
3	-10.9 ~ -5	Dark Aqua
4	-4.9 ~ -2	Light Aqua
5	-1.9 ~ 1	White
6	1.1 ~ 4	Peak green
7	4.1 ~ 8	Green
8	8.1 ~ 12	Yellow
9	20.1 ~ 16	Light yellow
10	16.1 ~ 20	Light orange
11	20.1 ~ 24	Orange
12	24.1 ~ 28	Light Red
13	28.1 ~ 32	Red
14	32.1 ~ 36	Pink
15	36.1 ~ 40	Light pink
16	40.1 ~ 45	Purple
17	> 45	Gray

## LOW BATTERY INDICATOR

If the low battery indicator “” appear in the outdoor temperature region, it indicates that the battery power of the transmitter is not enough, and you should replace with 2 x AA size batteries at once.



Low battery indicator for outdoor wireless sensor

If the low battery indicator “” appear near the time region, it indicates that the backup battery of the main unit is not enough, and you should replace the CR2032 battery.



Low battery indicator of main unit

### NOTE:

- If the battery power of the transmitter is not enough, insert 2 x AA size batteries and press [ **RESET** ] key of transmitter and then press [ **SENSOR** ] key of the main unit to repairing the sensor.
- Attention! Please dispose of used unit or batteries in an ecologically safe manner.

## IMPORTANT NOTE

- This main unit is intended to be used only indoors.
- Do not subject the unit to excessive force or shock.
- Do not expose the unit to extreme temperatures, direct sunlight, dust or moist environment.
- Do not immerse in water.
- Avoid contact with any corrosive materials.
- Do not dispose this unit in a fire as it may explode.
- Do not open the inner back case or tamper with any components of this unit.
- Please dispose of used unit or batteries in an ecologically safe manner.

# SPECIFICATION

## MAIN UNIT

---

Operating temperature range:	-5°C ~ 50°C	23° F ~ 122°F
Temperature resolution:	0.1°C	0.1°F
Operating humidity range:	20% ~ 90%	
Display humidity range:	1% ~ 99%	
Humidity resolution:	1%	
Radio controlled signal:	DCF or MSF	

## WIRELESS SENSOR

---

Operating temperature range:	-20°C ~ 60°C	-4°F ~ 140°F
Temperature resolution:	0.1°C	0.1°F
Operating humidity range:	20% ~ 90%	
Display humidity range:	1% ~ 99%	
Humidity resolution:	1%	
RF transmission frequency:	433MHz	
No. of remote sensors:	up to 3 units	
RF transmission range:	maximum 30 meters	

## POWER

---

Main unit:	AC / DC 4.5V, 300 mA adapter, CR2032 lithium battery for backup
Remote sensor:	1.5V, AA x 2 (alkaline battery recommended)

## DIMENSION

---

Main unit:	230(W) x 87.5(H) x 49(D) mm
Remote sensor:	65(W) x 100(H) x 35(D) 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 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.

Hereby, FAST ČR a.s. declares that the radio equipment type SWS 8400 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 to the text, design and technical specifications may occur without prior notice and we reserve the right to make these changes.

The original version is in the Czech language.

Address of the manufacturer: FAST ČR, a.s., Černokostecká 1621, Říčany CZ-251 01

# 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 identified 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.