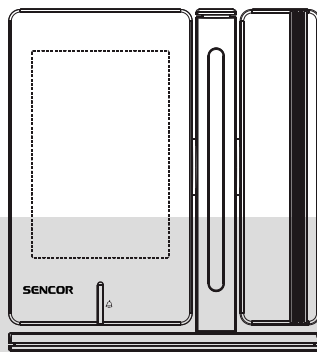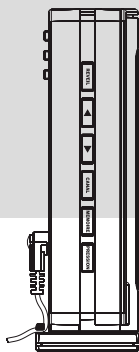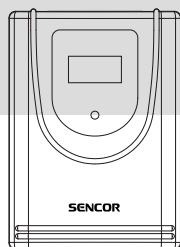# SENCOR®

SWS-250

USER'S MANUAL

NÁVOD K OBSLUZE

NÁVOD NA OBSLUHU

FELHASZNÁLÓI KÉZIKÖNYV

INSTRUKCJA OBSŁUGI

COLOUR WEATHER STATION WITH PROJECTION CLOCK

BAREVNÁ METEOROLOGICKÁ STANICE S PROJEKCÍ ČASU

FAREBNÁ METEOROLOGICKÁ STANICA S PROJEKCIOU ČASU

SZÍNES METEOROLÓGIAI ÁLLOMÁS ÓRAKIVETÍTÉSSEL

KOLOROWA STACJA METEOROLOGICZNA Z PROJEKCJĄ CZASU

EN CZ SK HU PL

USB   CD DIGITAL AUDIO

Thank you for purchasing the new generation of color projection clock. Designed and engineered with the state-of-art technology and components, this instrument will provide accurate and reliable radio-controlled time, weather forecast, barometric pressure & In/Out temperature readings as well as night-light and time projection features. Read this manual carefully to fully explore the features and functions of the new product.

NAME AND FUNCTIONS OF BUTTONS

	Press Functions	Hold 3 seconds
CLOCK	Read time, calendar and day-of-week	Set Clock & Calendar
ALARM	Read alarm time; enable/disable alarm	Alarm time setting
▲ UP	1 step forward in setting	Fast advance
▼ Down	1 step backward in setting	Fast backward
CHANNEL	Select indoor, Channel 1,2,3, auto scroll ⟳	Search for remote sensor
MEMORY	Read max/min temperatures	Clear memory record
PRESSURE	Toggle pressure unit hPa, inHg & mb	Altitude setting
ZONE	Toggle RC time & Zone time	Zone time setting
C/F	Toggle degree C & F unit	
📡	Search for Radio-Controlled time	
SNOOZE/ LIGHT	Trigger snooze alarm, extend backlight & projection	

Rotary Knob

FOCUS	Adjust focus of projected image
IMAGE ROTATION	Rotate projected image

Slide Switch

Backlight On/Off	Turn on/off continuous backlight when adapter is connected
Projection On/Off	Turn on/off continuous projection when adapter is connected
Light Bar On/Off	Turn on/off continuous light bar when adapter is connected

BATTERY & ADAPTER INSTALLATION

Projection Clock:

Main Power Source: Plug in the 4.5V adapter into the adapter socket at the back casing
** Continuous backlight, projection & light bar only available when adapter is connected

Backup Power: Lift off the battery cover, install 3 pieces of AAA backup batteries according to the polarity indicated, close the battery cover.

Remote Sensor:

Loosen the screws on the battery door with a small screwdriver, insert 2 pieces of AAA batteries according to the polarity indicated. Replace the cover and tighten the screws after the RF set-up procedure below is finished.

ALTITUDE SETTING

After battery installation, the main unit will enter altitude setting mode directly. Press "▲" or "▼" to select the unit in hPa, inHg or mb. Press "PRESSURE" to confirm. Then press "▲" or "▼" to enter your current altitude. Press "PRESSURE" to confirm and exit the setting. This allows the unit to provide a more accurate barometric pressure & weather forecast readings. (For more information, see "WEATHER FORECAST & BAROMETRIC PRESSURE" section)

SETTING UP THE WIRELESS THERMOMETER

● For the first installation, always turn on the home unit and then the remote sensor.
  Set Channel 1 for the first remote sensor. Set channel 2 and channel 3 for the 2nd and 3rd sensor.
● Press and hold CHANNEL button on main unit until a beep is sound to search for remote sensor.
● Press the Tx button on the back of remote sensor to transmit RF signal.
● When RF connection is established, the respective temperature of the selected channel will appear on the main unit.

Installation location of the sensor
● The cover of the external sensor is not waterproof. If the sensor is located outdoors, it must be located in such a location that rain or snow does not fall directly on to it.
● Never install the sensor on metal bases and objects or do not place it inside metal covers.
● If possible locate the sensor on the north side of the house so that temperature measurement is not distorted by the effect of sunlight.

RADIO-CONTROLLED CLOCK

The unit will start synchronizing the clock after battery/adapter installation or reset. In normal mode, press „ 📡 " in the battery compartment to enforce searching of radio-controlled clock signal. The antenna icon will appear during synchronization, if the icon disappear afterwards, radio time signal is not available at the moment. Try other locations later. Place the unit away from source of interference such as mobile phones, appliances, TV etc.

Antenna icon with full signal strength 📶 will appear on screen if the reception of radio-controlled time is successful. The radio-controlled clock will have a daily synchronization at 02:03 and 03:03 everyday. Each reception cycle is minimum 2.5 minutes and maximum 10 minutes.

WEATHER FORECAST & BAROMETRIC PRESSURE

The unit predicts weather condition of the next 12 – 24 hours based on the change of atmospheric pressure. The coverage area is around 30 – 50 km. The weather forecast is based on atmospheric pressure change and is about 70-75% correct. As weather conditions cannot be 100% correctly forecasted, we cannot be responsible for any loss caused by an incorrect forecast.

SUNNY   PARTLY CLOUDY   CLOUDY   RAINY   STORMY
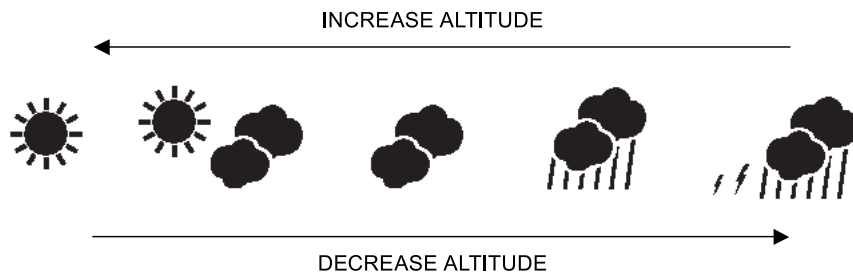
To obtain an accurate weather forecast & barometric pressure reading, you need to input your current altitude. After the reset of the unit, it will enter the altitude setting mode. Press "▲" or "▼" to set the pressure unit first, and then press "PRESSURE" and enter your current altitude. Press "PRESSURE" to confirm and exit the setting. You can also hold "PRESSURE" button to enter altitude setting mode during normal use.

Press PRESSURE button to select pressure unit between hPa, inHg & mb.

IMPORTANT NOTE:

Different geographical location such as inland area or coastal region has different weather forecasting response. In case your weather forecast always show rainy or stormy over a long period of time and does not reflect the actual weather condition, it is necessary to follow below procedure for fine tuning the weather forecast's accuracy

1) Check the current weather condition outdoor
2) Enter altitude setting mode and adjust altitude accordingly. Increase or decrease altitude setting by 20m (or 60ft) each time and exit. Repeat this step until the weather forecast icon matches with the current outdoor weather condition.
   (Eg. If the current outdoor weather is partly cloudy, increase or decrease altitude setting until weather forecast icon becomes partly cloudy)

INCREASE ALTITUDE

DECREASE ALTITUDE

IN/OUT TEMPERATURE

Temperature reading is located on the bottom of the display.
Press "C/F" button to select temperature unit C/ F.
Press "CHANNEL" button to select indoor, Ch1, Ch2, Ch3 and auto-channel scrolling ⟳ display modes.
Hold "CHANNEL" for 3 seconds to enforce searching of remote sensors.

COLOR BAR GRAPH DISPLAY

The color graph display is designed as an intuitive way to gauge the weather at a glance.
The left color bar graph represents the respective In/Out temperature of the current display mode.
As the temperature measurements change, the number of illuminated bars changes automatically.

Select "BACKLIGHT" slide switch to "ON" position to turn on color display backlight continuously (This function is available only when adapter is connected).
Select "BACKLIGHT" slide switch to "OFF" position to turn off backlight.

MAXIMUM / MINIMUM MEMORY

Press MEMORY button repeatedly to view the maximum & minimum values of temperature readings. To clear the memory record, hold MEMORY button while the respective values are displaying on screen.

TEMPERATURE TREND INDICATOR

The icons will indicate Rising, Steady, Falling if the temperature change is more than 1 degree C (or 2 degree F) within an hour.

CLOCK & CALENDAR

Press "CLOCK" to toggle display between time, calendar and day of the week.
Hold "CLOCK " button to enter clock setting mode. Using "▲"or "▼" to adjust and "CLOCK" to confirm, the following values can be set in sequence:
12/24hr format > Hr > Min > Yr > D/M or M/D format > Month > Date > EXIT

HOME TIME, WORLD (ZONE) TIME

Hold "ZONE" to enter world (zone) time setting mode. Press "▲"or "▼" to enter the desired hour offset value from –12 to +12 hours. Press "ZONE" to confirm each setting.

Press "ZONE" button to toggle between home (radio-controlled) time and world (zone) time. "ZONE" icon appears when world (zone) time is selected. When zone time is not used, set zone time to "0".

ALARM SETTING

Press "ALARM" to show alarm time and "AL." icon will appear. Press again to enable or disable the alarm. Bell icon „🔔 " appears when alarm is enabled.
Hold "ALARM" to enter alarm time setting mode. Press "▲"or " ▼" to enter the desired Hr/ Min values and press "ALARM" to confirm setting.

SNOOZE & BACKLIGHT

When alarm goes off, press "SNOOZE/LIGHT" to trigger snooze alarm and "Zz" icon will appear. To stop alarm, press "ALARM" key.
To turn on backlight, press "SNOOZE/LIGHT" or select "BACKLIGHT" slide switch to "ON" position.
NOTE: Continuous backlight function is only available when adapter is connected

BLUE LIGHT BAR (NIGHT-LIGHT)

Select "LIGHT BAR" slide switch to "ON" position to turn on the blue light bar (night-light) continuously (This function is available only when adapter is connected).
Select "LIGHT BAR" slide switch to "OFF" position to turn off the light bar.

IMAGE PROJECTION

To project time image onto wall or ceiling, press "SNOOZE/LIGHT" button or select "PROJECTION" slide switch to "ON" position.
Select "PROJECTION" to "OFF" position to turn off continuous projection
Rotate the "FOCUS" knob to adjust the image focus.
Rotate the "IMAGE ROTATION" knob to adjust the orientation of the projected image

NOTE: Continuous projection function is only available when adapter is connected

LOW BATTERY INDICATION

Low battery indication is available for the home unit itself and all of the 3 remote channels. Replace the batteries and follow the setup procedure in this instruction manual.

BATTERY DISPOSAL

Replace only with the same or equivalent type recommended by the manufacturer.
Please disposal of old, defective batteries in an environmentally friendly manner in accordance with the relevant legislation.

SPECIFICATIONS

Indoor unit:	0°C to + 50°C (+32°F to +122°F)
Remote sensor:	-20°C to +60°C (-4°F to +140°F)
Temp accuracy:	0-40°C: ±1°C
	-5°C to 0°C & 40°C (not including +40°C) to 50°C: ±1.5°C
	50°C to 60°C: N/A
Channel:	max. 3 remote sensors
Transmission:	up to 30M (98 ft.) in open area, RF433 MHz
Temp Resolution:	0.1°C (or 0.2°F)
Clock:	DCF77 Radio-Controlled, Quartz back-up
Power:	4.5 V adapter (included), 3 x 1.5 V batteries
	type AAA for projection clock (not included)
	2 x 1.5 V, type AAA for remote sensor (not included)
Main unit size:	133 x 120.5 x 40 mm, weight: 275 g
Sensor size:	90.8 x 65 x 32.3 mm, weight: 75 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.

Fast ČR, a.s. declares that SWS 250 and SWS 2 TS 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 can be found at the website 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.