

# SENCOR®

## SWS 160



**USER'S MANUAL**

**NÁVOD K OBSLUZE**

**NÁVOD NA OBSLUHU**

**FELHASZNÁLÓI KÉZIKÖNYV**

**INSTRUKCJA OBSŁUGI**

**SLIM WEATHER FORECASTER WITH RADIO  
CONTROLLED CLOCK, PRESSURE DISPLAY AND IN/  
OUT THERMO-HYGROMETER**

**TENKÁ METEOROLOGICKÁ STANICE S RÁDIEM  
ŘÍZENÝMI HODINAMI, MĚŘENÍM TLAKU  
A VNITŘNÍ/VONKAJŠEJ TEPLoty A VLHKOSTI**

**TENKÁ METEOROLOGICKÁ STANICA S RÁDIOM  
RIADENÝMI HODINAMI, MĚŘENÍM TLAKU  
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**VÉKONY METEOROLÓGIAI ÁLLOMÁS  
RÁDÍÓVEZÉRELT ÓRÁVAL, LÉGNYOMÁS ÉS KINTI/  
BENTI HŐFOK- ÉS PÁRATARTALOM-MÉRÉSSEL**

**PLASKA STACJA METEOROLOGICZNA  
Z ZEGAREM STEROWANYM RADIOWO, POMIAREM  
CIŚNIENIA ORAZ TEMPERATURY I WILGOTNOŚCI  
WEWNĘTRZNEJ / ZEWNĘTRZNEJ**

**EN CZ SK HU PL**



## INTRODUCTION

Thank you for selecting our slim Weather Forecaster. This device combines precise time keeping, monitoring and displaying of pressure information and current temperature/ humidity data from up to three remote locations (additional sensors are required).

In this package, you will find:

- One main unit (receiver)
- One single-channel remote sensor (transmitter)
- One user manual

Please keep this manual handy as it contains practical instructions, technical specifications and precautions.

## INSTALLATION

The communication between the main unit (receiver) and the remote sensor (transmitter) is wireless, thus simplifying the installation. The remote temperature sensor transmits data to the main unit, with an operating range of up to 100 feet (30 meters) in opened area.

The remote temperature sensor can be placed indoors or outdoors, depending on the area where the temperature is intended to be measured. If you intend to measure outdoor conditions, place the remote sensor outdoors.

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### NOTE:

- It is critical to power the remote sensor **BEFORE** setting up the main unit.
- It is critical to power up and **test** communication between the remote sensor and the main unit **BEFORE** permanently mounting if outside.

## BEFORE YOU BEGIN

- We recommend using **alkaline batteries** for the remote sensor and the main unit. When the temperature falls below freezing point 32°F (0°C), battery voltage levels will be dropped and this may reduce the transmission range. For optimum performance, we recommend using **lithium batteries**.
- Avoid using rechargeable batteries. (Rechargeable batteries cannot maintain correct power requirements.)
- **ALWAYS** install batteries in the **remote** sensor **before** the main unit.
- Insert batteries before first use, matching the polarity in the battery compartment.
- During initial set up, place the remote sensor close to the main unit.
- After reception is established (remote readings will appear on the main unit's display), position the remote sensor and the main unit within the effective transmission range of up to 100 feet (30 meters).

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### NOTE:

- Avoid pressing any buttons on the main unit before the remote readings are displayed.
- Transmission or reception range may be affected by trees, metal structures, and electronic appliances, surrounding building materials and how the main unit and transmitter are positioned.
- Place the remote sensor so that it faces the main unit (receiver), minimizing obstructions such as doors, walls and furniture.
- Though the remote sensors are weather-resistant, they should be placed away from direct sunlight, rain or snow. The optimal location for the remote sensor outdoors is under the eaves on the north side of the building.

# REMOTE TEMPERATURE AND HUMIDITY SENSOR

## FEATURES

- Remote data transmission to the main unit via 433 MHz frequency.



## A. BATTERY COMPARTMENT

- Hold two AAA-size batteries

## B. WALL-MOUNT RECESSED HOLE

- Mount the remote sensor on the wall

## MOUNTING

- The remote sensor can be placed on the flat surface or mounted on the wall in vertical position.
- Use a screw, rather than a nail, for best mounting of the sensor.
- When mounting the main unit on the wall or vertical surface, fold the table stand back into the unit.

## PLACEMENT

- The remote sensor should be placed under eaves or a similar location with free air circulation sheltered from direct sunlight and extreme weather.
- Ideally, place the remote sensor over soil, rather than asphalt which would cause false readings.
- Avoid placing the remote sensor near sources of heat, such as chimneys and heating elements
- Avoid areas that collect heat from the sun and radiate heat, such as metal, brick or concrete structures, paving, and patios
- The international standard for the valid air temperature measurements is 4 feet (1.25 meters) above the ground

## OPERATION

Immediately after batteries are installed, the remote sensor will start transmitting a temperature and humidity data to the main unit.

# MAIN UNIT

## FEATURES

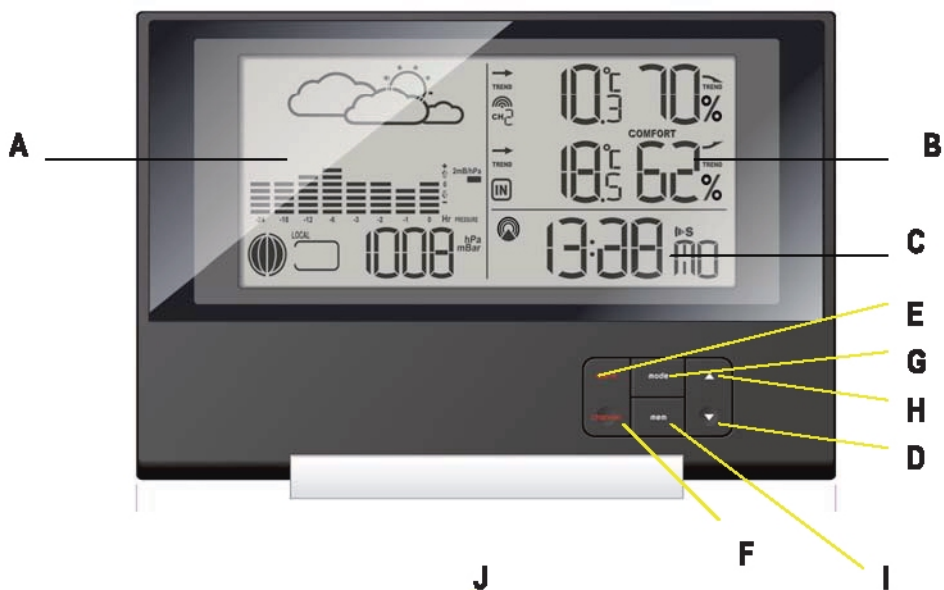
### ***TIME***

- Precise time and date set via radio controlled time signals (DCF 77) from the central atomic clock in Frankfurt
- 12 or 24 hour time format
- Manual adjustment of time and date
- Calendar date with month and day in 7 languages English, German, French, Italian, Spanish, Dutch and Swedish
- Dual crescendo alarms with snooze
- Programmable ice warning alarm

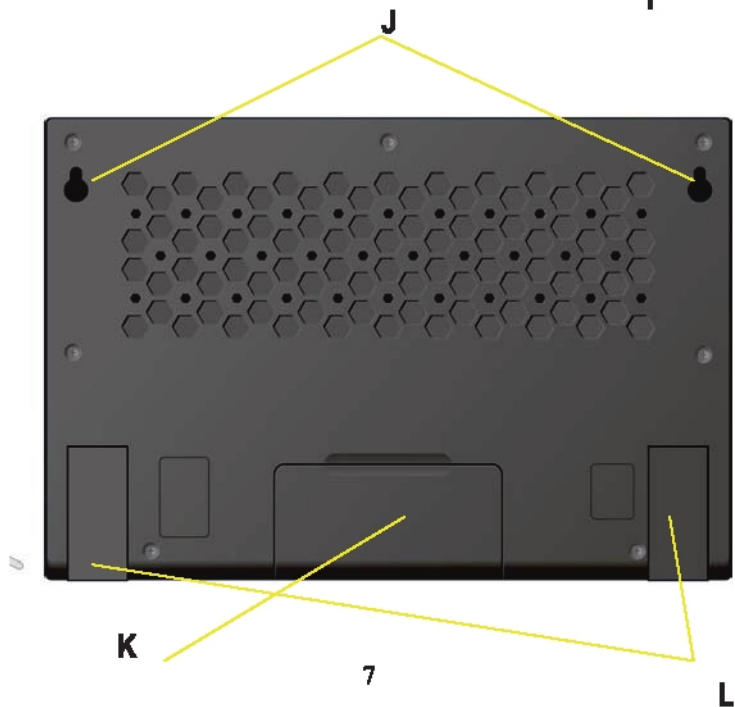
### ***WEATHER***

- Weather forecast for the next 12 to 24 hour in seven large icons: sunny, slightly cloudy, cloudy, rainy, heavy rainy, snowy and heavy snowy.
- User-defined high/low temperature alarm
- Indoor/outdoor temperature and humidity in up to 3 remote locations (additional sensors required)
- Barometric pressure in imperial or metric units
- Altitude adjustment for pressure compensation
- 24 hour barometric pressure history chart
- Comfort level indicators (Dry, Humid, etc)

**FRONT**



**REAR**



## **A. WEATHER/ PRESSURE window**

## **B. TEMPERATURE/ HUMIDITY window**

## **C. CLOCK window**

## **D. DOWN (▼) button**

- Select the next available mode
- Press and hold for 2 seconds to search for wireless signal from remote sensor.
- Decrease parameters.

## **E. ALARM button**

- When time mode has been selected, press once to display the alarm time of weekday alarm (W), single alarm (S) and pre-alarm (Pre-AL).
- Hold for 2 seconds, set weekday, single or pre-alarm's alarm time.
- When temperature mode has been selected, press once to display the highest or lowest temperature alarm's value.
- Hold for 2 seconds, set the highest or lowest temperature alarm's value.
- When alarm is on, press once to stop the alarm temporarily.

## **F. CHANNEL button**

- Press to display the outdoor temperature readings of Channels 1, 2 and 3. (additional remote sensors are required)
- Hold for 2 seconds, enter into the circulation mode and outdoor temperature readings of Channels 1, 2 and 3 will be displayed automatically in every 5 seconds.

## **G. MODE button**

- When pressure mode has been selected, press once to display the local pressure, altitude and sea level.
- Press and hold for 2 seconds to set altitude and sea level.
- When time mode has been selected, press once to toggle between time with seconds display or time with weekday display.
- Press and hold for 2 seconds, set language of the day of the week, year digit, month digit, date digit, hour format (12/ 24 hours), hour digit and minute digit. (*Note: calendar format is default in month-date display*)
- When temperature mode has been selected, press and hold for 2 seconds to toggle the temperature unit between Celsius or Fahrenheit.

## **H. UP (▲) button**

- Press to select the next available mode
- Increase the parameters
- In time with seconds display mode, press and hold for 2 seconds to activate/ deactivate radio controlled time signal search manually.

## **I. MEM/ HISTORY button**

- When temperature mode has been selected, press to recall the minimum or maximum temperature and humidity readings of main and remote units.
- Press and hold for 2 seconds, collected memories will be cleared.
- When pressure mode has been selected, press once to check the historical pressure data for the past 24 hours.

## **J. WALL- MOUNT hole**

- A recessed opening to mount the unit on a wall

## **K. BATTERY COMPARTMENT**

- Accommodate two (2) CR2032 batteries

## **L. TABLE STAND**

## PLACEMENT

- Make sure that the main unit is located within the operating range of all remote sensors.
- Ideally the main unit should be placed within line of sight of remote sensors. Avoid placing the main unit where surfaces emitting and radiating heat (e.g. heating ducts or air conditioners) and areas with interference from wireless devices (e.g. cordless phones, radio headsets, baby monitoring devices and other electronics).

## OPERATION

Once the main unit is powered, the display will show all available LCD segments for a moment.








**IMPORTANT:** All of the display functions will be locked, allowing setting your local altitude and pressure parameters by pressing the **UP (▲)** or **DOWN (▼)** and **MODE** buttons. The locked display will show the pressure icon and abbreviation “inHg” flashing in the **Weather/ Pressure Window**, default time in **Clock Window** and channel 1’s temperature and humidity readings in **Temperature/ Humidity Window**.

If pressure and altitude are not configured during this time, the unit will self-calibrate in a few minutes and show the default settings for the pressure and altitude (sea level) and all remote weather sensors readings.

# GETTING STARTED

## WEATHER FORECAST

This unit is capable of detecting the atmospheric pressure changes. Based on collected weather data, it forecasts the weather for the next 12 to 24 hours.

|                           |   |   |   |   |   |   |   |
|---------------------------|---|---|---|---|---|---|---|
| When the display shows... |  |  |  |  |  |  |  |
| Forecast is..             | Sunny   | Partly Cloudy   | Cloudy  | Rainy   | Heavy Rainy   | Snowy   | Heavy Snowy   |

## NOTE:

The weather forecast accuracy is approximately 70%.

The main unit display shows forecasted (predicted) not current conditions. The **SUNNY** icon indicates clear weather, even when displayed during the night-time.

# PRESSURE OPERATION

The pressure window displays: current barometric pressure, sea level pressure, and weather forecast. The information contains a number of historical statistics: pressure/ temperature/ humidity history bar-chart for the past 24 hours

Pressure can be measured in inHg, hPa/mBar or mmHg, and altitude is determined in either meters or feet.

**IMPORTANT:** There are three viewing options available: barometric pressure **SEA LEVEL** or **LOCAL** and **ALTITUDE**. Local pressure is a measured value (can't be adjusted) while **Sea Level & Altitude** are variables that you can enter. It is advisable to select and program only one of the variables and to allow the unit to calculate the third value.



The unit is designed to measure pressure changes at your **specific location**, when **LOCAL** barometric pressure is selected. Information for programming your unit, with either **Altitude** or **Sea Level** values, may be obtained from GPS readings, online from the Internet, etc.

**SEA LEVEL** barometric pressure provides you with information about pressure changes at lower elevations in your **surrounding area**. The **SEA LEVEL** pressure value can be set to match your local metro area weather information. (Sources – local TV or radio station, etc.)

## **SETTING INITIAL PRESSURE PARAMETERS**

**IMPORTANT:** Allow the unit to set *without touching ANY buttons* for about 6-8 minutes during the main unit initial set up. This will give the unit time to synchronize with remotes, stabilize pressure readings and settle with default settings.

### **SELECT PRESSURE UNITS OF MEASURE**

Press **UP (▲)** or **DOWN (▼)**, as needed, until the pressure icon “**PRESSURE**”, to the left of the barometric pressure value, begins to flash.

- Press **MODE** button, to toggle through selections until “**SEA LEVEL**” or “**LOCAL**” barometric pressure is displayed.
- Press and hold **MEM/ HISTORY** button to enter the pressure unit selection mode. Press the **UP (▲)** or **DOWN (▼)** button to select the preferred units of measure for pressure: inHG (English), hPa/mBar (scientific) or mmHg (metric)
- Press **MEM/ HISTORY** to confirm your selection. Then press **MODE** to move to the **ALTITUDE unit** selection mode. Press the **UP (▲)** or **DOWN (▼)** button to select pressure unit as **FEET** or **METER**.
- Press **MEM/ HISTORY** to confirm and hold **MODE** to move to the **ALTITUDE value** selection mode.
- Press **UP (▲)** or **DOWN (▼)** to select or adjust the altitude value to your location. (Press and hold either button for accelerated digit advance)
- Press **MODE** to confirm the programming selection.

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### **NOTE:**

The unit will automatically exit programming mode if it does not detect a button press after 2 minutes.

### **VIEWING PRESSURE AND ALTITUDE INFORMATION**

To view pressure or altitude information, press **MODE** button. The display will alternate between the sea level pressure, local pressure and local altitude screens.

### **PROGRAMMING SEA LEVEL PRESSURE (not required if you did altitude)**

- Press and hold **MODE**, until the barometric pressure digits are flashing.
- Enter the desired sea level pressure value by pressing **UP (▲)** or **DOWN (▼)** buttons. (Press and hold either button for accelerated digit advance.)
- Press **MODE**, to confirm sea level value selection.

### **CHANGING PRESSURE AND ALTITUDE UNITS**

- Press **MODE** as needed, until “**LOCAL**” pressure is displayed.
- Press and hold **MEM/ HISTORY**, until the pressure unit is flashing.
- Change local or sea level pressure units by pressing the **UP (▲)** or **DOWN (▼)** buttons to select the pressure units. Choose from: **inHg, hPa/mBar or mmHg**.
- Press **MEM/ HISTORY** to confirm your selection.
- Press **MODE** button until the local altitude value will be displayed
- Press and hold **MEM/ HISTORY** until the altitude unit is flashing.
- Select the **ALTITUDE** unit:, meters or feet, by pressing **UP (▲)** or **DOWN (▼)** buttons.
- Press **MEM/ HISTORY** to confirm your selection.

- Vyberte jednotky nadmořské výšky - **ALTITUDE**: metry nebo stopy, stisknutím tlačítka **UP (▲)** nebo **DOWN (▼)**.
- Stisknutím tlačítka **MEM/HISTORY** potvrďte svou volbu.

### **VIEWING SEA LEVEL PRESSURE HISTORY**

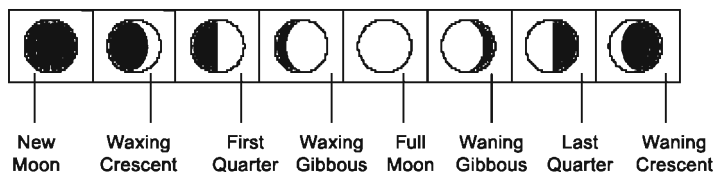
- In pressure mode, press **MEM/ HISTORY** button entering the sea level pressure display.
- When the **SEA LEVEL** is displayed, press **MEM/ HISTORY** repeatedly viewing the sea level pressure history for the past 24 hours in 1 hour intervals.
- If no buttons are pressed for 5 seconds, the unit will automatically return to the default Pressure and Weather Forecast Mode.

### **VIEWING PRESSURE, TEMPERATURE AND HUMIDITY CHARTS**

The bar chart in **Pressure Window** can be configured to display a historical data for the sea level pressure and temperature or humidity for channel 1.

After selecting the **Pressure Window**, press and hold **ALARM** button to toggle the bar chart between the sea level pressure with a word "**PRESSURE**" displayed at the right bottom corner of the chart, temperature with a thermometer icon and "**CH1**" and a humidity with "**RH**" icon and "**CH1**".

### **MOON PHASE ICONS**



## **TEMPERATURE/ HUMIDITY WINDOW**

The main unit supports up to 3 remote sensors, corresponding to a separate channel of the temperature and relative humidity display. The temperature can be displayed in Celsius (°C) or Fahrenheit (°F).

The main unit carries the temperature and humidity sensor and uses this data to calculate an indoors comfort level - **Wet, Comfort or Dry**.

A temperature alert function is available for all channels. It can be programmed to sound if the channel temperature exceeds or falls below the pre-set upper and lower limits.

### **REMOTE SENSORS STATUS**


The wave icon above the current channel icon shows the connection status of the corresponding remote sensor:

| Icon | Status   |
|------|--|
|      | Searching for the signals from the remote sensor         |
|      | Corresponding remote sensor signal received successfully |
|      | No signals received for over 1 hour                      |

## **SEARCH FOR REMOTE SENSORS**

- The main unit can be manually activated to search for the signals from remote sensors by pressing and holding **DOWN** (▼) button.

## **OPERATION**


- To select the indoor/ outdoor temperature and humidity mode, press **UP** (▲) or **DOWN** (▼) until the **IN** icon  flashing with a beep sound alert.

## **VIEWING REMOTE (CHANNEL) TEMPERATURE AND HUMIDITY**

### Static Display:

- Press the **CHANNEL** button to select measurements from different remote sensors, each is **MODE** to a unique channel 1, 2 or 3.

### Channel Auto-Scan Display:

- To enable an automatic scan of all channels, press and hold **CHANNEL**, until the  icon is displayed. The measurements from each remote channel will be alternately displayed with a 5 seconds viewing.

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## **NOTE:**

the channel auto-scan feature can be active only if there are more than one remote sensors operating and are **MODE** to different channels.

## **PROGRAMMING TEMPERATURE IN CELSIUS OR FAHRENHEIT**

- Press and hold **MODE** button for 3 seconds to toggle the temperature unit in Celsius (°C) or Fahrenheit (°F).

## **SETTING TEMPERATURE ALARM**

- Press **ALARM** button selecting the desired alarm, the upper temperature alert with  icon (if disabled, displays **OFF**), or lower temperature alert with  icon (if disabled, displays **OFF**).
- Press and hold **ALARM** button until the temperature digits flashing.
- Adjust the temperature digits using the **UP** (▲) or **DOWN** (▼). Press and hold either button for fast digits advance
- Press the **ALARM** to confirm selection and return to the temperature alarm selection screen

## **ACTIVATING OR DEACTIVATING TEMPERATURE ALARMS**

- Once the above alerts are displayed, press the **UP** (▲) or **DOWN** (▼) to enable or disable the corresponding alert.

## **VIEWING MAX/MIN AND MINIMUM READINGS**

Press the **MEM/ HISTORY** button recalling:

- Current temperature and humidity
- Minimum temperature and humidity
- Maximum temperature and humidity at the remote location.

## **RESETTING TEMPERATURE MEMORIES**

Press and hold **MEM/ HISTORY** button for 3 seconds to clear all channel memories.

## **COMFORT LEVEL INDICATION**

The main unit is capable of detecting and displaying the current indoor comfort levels of surrounding environment. The comfort level based on the combination of the current indoor temperature and humidity readings. The following comfort levels may be displayed: **COMFORT** (comfortable); **WET** (wet) and **DRY** (dry)


| Indicator displayed | Temperature Range               | Humidity Range  | Shows current condition                 |
|---------------------|---------------------------------|-----------------|---|
| <b>COM</b>          | 20°C to 25°C<br>(68°F to 77°F)  | 40%RH-<br>70%RH | Ideal relative humidity and temperature |
| <b>WET</b>          | -5°C to 50°C<br>(23°F to 122°F) | OVER 70%RH      | Contains excess moisture                |
| <b>DRY</b>          | 5°C to 50°C<br>(23°F to 122°F)  | BELOW 40%RH     | Contains inadequate moisture            |





## CLOCK WINDOW


### RADIO CONTROLLED TIME

The radio controlled signal for time (DCF 77) is transmitted from the central atomic clock in Frankfurt/Main in short intervals. It has a reception range of approx. 1500 km. If the tower icon is not fully lit, or if the time and date are not set automatically, please consider the following:

- During night-time hours, atmospheric disturbances are typically less severe and radio signal reception may improve. A single daily reception is sufficient enough to keep the clock accuracy within 1 second.
- Make sure the unit is positioned at 8 feet (2 meters) distance from any interference source such as a TV, computer monitor, microwave, etc.
- Within concrete wall rooms such as basements or office buildings, the received signal may be weakened. Always place the main unit near the window for better reception.

Once the radio controlled time signal is received, the date and time will be set automatically, and the  icon will appear.

| Icon   | Time Signal Reception Strength     |
|--|------------------------------------|
|  (Flashing) | Undefined data                     |
|             | No Reception for the past 24 hours |
|             | Weak signal, but can be decoded    |
|            | Strong signal                      |

- The radio controlled clock receiver is programmed that it will search for the time signal daily for 0:00, 3:00, 6:00, and 12:00 am.
- To enable or disable the radio controlled time receiver, press and hold **UP** () button for 3 seconds. If atomic time reception is activated, a tower icon will start flashing. If reception is disabled, the tower icon will disappear.
- If the time signal has not been received in 8 minutes, you may set the time manually.

## MANUAL SETTINGS

To select the time mode, press **UP** () or **DOWN** () until the **IN** icon () flashing with a beep sound alert.

## **TIME AND CALENDER**

- Press and hold **MODE** button until the day of week language abbreviation “**ENG**” will flash
- Press the **UP (▲)** or **DOWN (▼)** selecting the day of the week in English, German, French, Italian, Spanish, Dutch or Swedish.
- After the language of weekday is set, press **MODE** button to confirm and move to the next parameter (year)
- Continue setting the year, month, day, time format (12 or 24 hours), local hour and minutes, using the same technique
- After programming is complete the display will return to the default hour and minutes with seconds display.

## **CLOCK ALARMS**

There are two time alarms – Weekday alarm (**W**) and Single day alarm(**S**) - and one Ice Warning Alarm (**PRE-AL**).

- If **Weekday (W)** alarm is activated, it will sound at the set time and the alarm icon will flash Mondays through Fridays
- If **Single (S)** day alarm is activated, it will sound at the set time and the alarm icon will flash only for this specific day and will not activate on subsequent days
- If **Ice Warning Alarm (PRE-AL)** is activated, it will sound at the set time and alarm icon will flash once the remote temperature for Channel One (1) will reach 32°F(0°C) and below

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## **NOTE:**

**Ice Warning Alarm can be set only if one or both - Weekday or Single alarm - are programmed.**

## **SETTING THE WEEKDAY (W) AND SINGLE DAY (S) ALARMS**

- Press **ALARM** button once to enter into the alarms setting mode. The default alarm is a Weekday alarm (**W**). The abbreviation “**OFF**” with a letter “**W**” next to it will be displayed, if the alarm has not been set previously
- Press and hold **ALARM** button for two seconds. The hour digit will flash
- Adjust the hour using **UP (▲)** or **DOWN (▼)** buttons
- Press **ALARM** button again. The minute digits will flash
- Adjust the minutes using **UP (▲)** or **DOWN (▼)** buttons
- Press **ALARM** button again to confirm and the weekday alarm time will be set
- Set **Single (S)** day alarm if desired in the same manner

## **SETTING THE ICE WARNING ALARM (PRE-AL)**

If Weekday (W) or Single day (S) alarm is MODE, the Ice Warning Alarm (Pre-AL) can be programmed.

- Press **ALARM** button once to enter into the Ice Warning Alarm setting mode. The abbreviation **OFF** with a **PRE-AL** next to it will be displayed.
- Press and hold **ALARM** button for two seconds. The number **30** will flash, meaning that if selected, the alarm will sound 30 minutes earlier than the Weekday or Single alarm.
- Select the desired Ice Warning Alarm interval in 15 minutes increments between 15 and 90 minutes, using **UP (▲)** or **DOWN (▼)** buttons
- Press **ALARM** button to confirm and exit from the alarm setting mode.

## **ACTIVATING/ DEACTIVATING ALARMS**

- Press **ALARM** button to enter into the desired alarm mode.
- Press **UP (▲)** to activate alarm and the corresponding icons **W**, **S** or **PRE-AL** will be displayed.
- Press **DOWN (▼)** to deactivate alarm until “**OFF**” is displayed.

## MAINTANANCE

### CHANGING BATTERIES

- If the low battery indicator lights up, replace batteries in the corresponding unit.
- Do not mix old and batteries.

### CLEANING

The main unit and remote sensors housings can be cleaned with a damp cloth. Small parts can be cleaned with a cotton tip or pipe-cleaner. Never use abrasive or corrosive cleaning agents or solvents. Do not immerse electronic components in water.

## TROUBLESHOOTING

Check here before contacting customer service.

| Issue                                     | Symptom  | Solution   |
|---|--|--|
| Main unit                                 | Radio Controlled Time signal is not received   | Place unit by the window and keep it there overnight   |
| Remote sensor                             | Cannot locate remote sensor  | Check batteries  |
|   |  | Check location   |
|   |  | Press and hold <b>DOWN ( ▼ )</b> button on the main unit to search for the signal form the remote sensor |
| Data does not match data on the main unit | Initiate manual sensor search (Press and hold <b>DOWN ( ▼ )</b> button on the main unit) |  |

## PRECAUTIONS

This product is engineered to give you years of satisfactory service if handled carefully. Here are a few precautions:

- Do not immerse the units in water.
- Do not clean the units with abrasive or corrosive materials. They may scratch the plastic parts and corrode the electronic circuits.
- Do not subject the product to excessive force, shock, dust, temperature, or humidity, which may result in malfunctions, shorter lifespan, damaged batteries, and damaged parts.
- Do not tamper with the units internal components. Doing so will invalidate the warranty and may cause damage. These units contain no user-serviceable parts.
- Use only fresh batteries. Do not mix new and old batteries.
- Read the user's manual thoroughly before operating the units.

# SPECIFICATIONS

## **Main Unit**

### **Indoor Temperature**

Proposed operating range: 23.0°F to 122.0°F (-5°C to +50°C)

Temperature resolution: 0.2°F (0.1°C)

User-selectable (°F or °C) temperature display

### **Humidity (Indoor)**

Operating Range: 30% to 80%

Resolution: 1%

Accuracy: 7%

Sampling Interval: 10 seconds

**Weather Forecast:** in seven large icons: sunny, slightly cloudy, cloudy, rainy, heavy rainy, snowy and heavy snowy.

Maximum number of remote sensors: 3 (one included)

Readings update interval: every 45 seconds

Low battery indicator

## **Clock**

Radio Controlled time (DCF77)

12/24 hour time format

Crescendo 2 minutes alarm with 8 minutes snooze

### **Barometric Pressure**

Measuring Range: 14.75 inHg to 32.44 inHg (500 Hpa to 1100Hpa); (374.5 mmHg to 823.8 mmHg)

Resolution: 0.003 inHg (0.1 Hpa, 0.08 mmHg)

Accuracy: 0.015 inHg (5 Hpa; 0.38 mmHg)

Sampling interval: 20 minutes

Altitude Compensation Range: -657 ft to 16404 ft (-200m to +5000 m)

## **Remote Sensor**

### **Remote Temperature**

Proposed operating range with alkaline batteries:

-10°C to + 60°C (14°F to + 140°F)

Temperature resolution: 0.1°C/ 0.2°F

### **Humidity (Outdoor)**

Operating Range: 30% to 80%

Resolution: 1%

Accuracy: 7%

Sampling Interval: 10 seconds

Transmitting Interval: around 47 seconds

RF Transmission Frequency: 433 MHz

RF range: Maximum 100 feet (30 meters)

Temperature transmission cycle: approximately 45 seconds

Wall-mount of Table stand

## **Power**

Main unit: 2 CR2032 size 3V batteries (not included)

Remote Sensor: 2 AAA size 1.5V batteries (not included)

## **Dimensions**

Main unit: 178(L) x 120(H) x 9.5(W) mm

Remote sensor: 37.5(L) x 110(H) x 23(W) 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.



Fast ČR, a.s. declares that SWS 160 + SWS 3 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](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.