



**EN** ▀ User Manual

Wifi installation instructions and WUunderground account settings, Weathercloud and firmware update.

**CZ** ▀ Uživatelská příručka

Instalační návod funkce Wi-Fi a nastavení účtů WUunderground, Weathercloud a aktualizace firmwaru.

**SK** ▀ Používateľská príručka

Inštaláčny návod funkcie Wi-Fi a nastavenie účtov WUunderground, Weathercloud a aktualizácia firmvéru.

**HU** ▀ Felhasználói kézikönyv

Wifi funkció telepítési utasítások, valamint a WUunderground, Weathercloud fiókbeállítások a firmware frissítéséhez.

**PL** ▀ Podręcznik użytkownika

Instrukcja konfiguracji Wi-Fi, ustawienia kont WUunderground, Weathercloud oraz aktualizacji firmware.

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## CONNECT THE CONSOLE TO WI-FI

### DOWNLOAD THE WSLINK CONFIGURATION APP



To connect your console to Wi-Fi, you must download the “WSLink” configuration app from one of the following links by scanning the QR code or searching for “WSLink” in the App Store or Google Play.



App Store



Google Play

The WSLink app is required to connect the console to Wi-Fi and the Internet, set up the weather server, perform sensor calibration and update firmware.

**NOTE:**

- *The WSLink application only allows configuration. It is not used for remote display of your weather data.*
- *The WSLink application can be changed and updated.*

### CONSOLE IN ACCESS POINT MODE

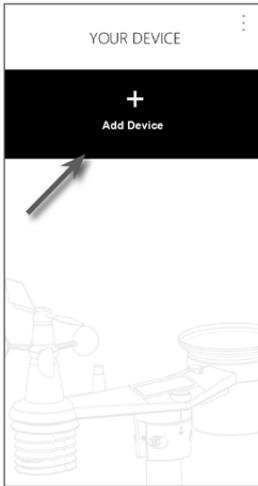
1. When the console is first powered on, a flashing “AP” and “” icon will appear on the console’s LCD display to indicate that the console has switched to AP (Access Point) mode and is ready for Wi-Fi setup. You can also press and hold the [SENSOR / WI-FI] button on the back of the console for 6 seconds to manually switch to AP mode.



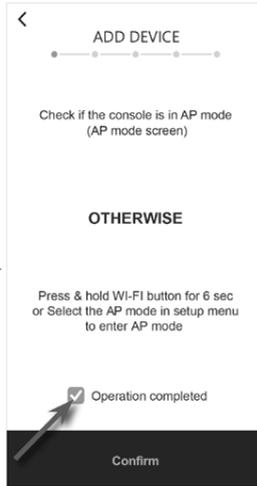
AP console mode

## ADD YOUR CONSOLE TO WSLINK

Open the WSLink application and follow the steps below to add your console to WSLink.



**(a) Your device page**  
Click on the "Add Device" icon.

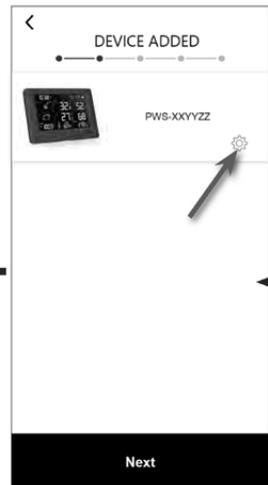


**(b)** Make sure the console is in AP mode and check the "Operation completed" box, then tap "Confirm" to go to the system page of your smartphone's Wi-Fi network.



**(c)** Select the name of the console's Wi-Fi network (the name always starts with PWS-) to connect your smartphone to the console. Then tap back to the WSLink app.

Set up a new console using WSLink



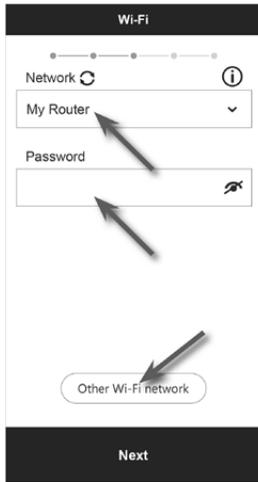
**(d)** After adding the console to WSLink, the console icon will appear in your device list. Tap it to continue with the settings.

### NOTE:

- When connecting to this device for the first time, you must select "No Internet connection".
- If your smartphone cannot connect to the console, please turn off mobile data/network on your smartphone and try again.

# SET UP A NEW CONSOLE USING WSLINK

The app will guide you through the setup using the steps below.



**(e) Wi-Fi page**

**Network:** select the Wi-Fi network (router SSID) to connect to.  
**Password:** Enter your Wi-Fi password.  
**Other Wi-Fi network:** set to a hidden Wi-Fi network.  
**Next:** go to the "Edit Device" page.



**(f) Edit device page**

**Device name:** Create a name for your device.  
**Time server:** select a time server  
**Time Zone:** select a time zone  
**Next:** go to the "Weather server" page.



**(g) Weather server page**

**Weather Underground:** please see part c1 below.  
**Weathercloud:** please see section c2 below.  
**Other server:** please see section c3 below.  
**Next:** go to the "Settings" page.

**(j) Delete your console**

To remove a device from the app, swipe the console icon to the left and tap the trash can.



**(i) Your Device page**

Your setup is now complete. If necessary, you can click the console icon at any time and follow the procedure to set up the console.



**(h) Settings page**

This is the main page of your console; you can also open another settings page to set up your console. When the settings are complete, click "Confirm & Exit" to exit AP mode.

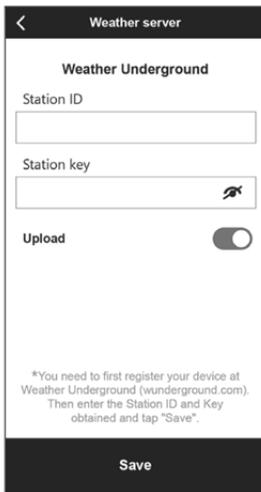
# WEATHER SERVER SETTINGS



**(a) Settings page**  
On the settings page, click on "Weather server".



**(b) Select a weather server**



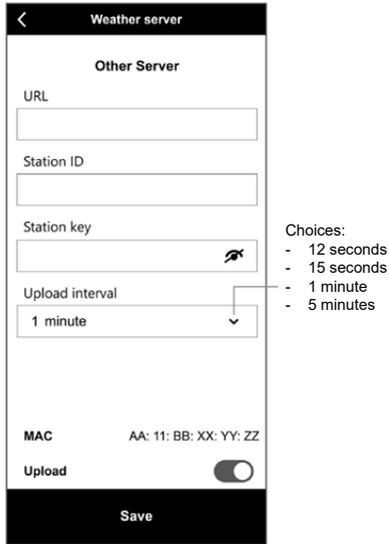
**(c1) Upload your weather data to Weather Underground**

1. Register a wunderground.com account and weather station by following the procedure in the WEATHER UNDERGROUND (WU) section below.
2. Enter the Station ID and Station key obtained from wunderground.com
3. Enable (or disable) recording.
4. Click "Save".



**(c2) Upload your weather data to Weathercloud**

1. Register a Weathercloud.net account and weather station by following the procedure in the WEATHERCLOUD (WC) section below.
2. Enter Station ID and Station key obtained from Weathercloud.net
3. Enable (or disable) recording.
4. Click "Save".



**(c3) Upload to customer server (optional)**

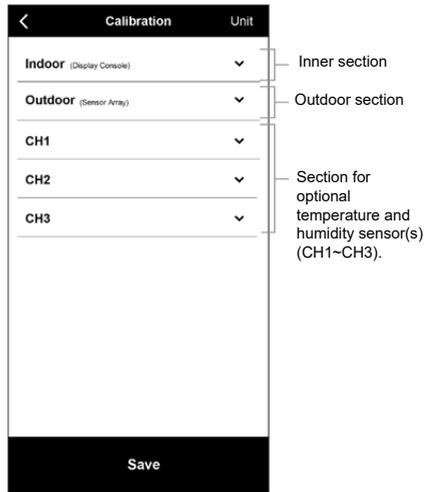
1. Prepare a customer server based on WUunderground or WSLink API
2. Enter the URL address, Station ID, and Station key of the customer server.
3. Enable (or disable) recording.
4. Click "Save".

## CALIBRATION



**(a) Settings page**

On the settings page, click "Calibration".



**(b) Calibration page**

1. If necessary, click "Unit" before entering the calibration value and change the unit.
2. Tap the field and enter the desired calibration.
3. Click "Save".

**NOTE:**

- The calibration of most parameters is not required with the exception of the Relative Pressure parameter, which must be calibrated with respect to the sea level to consider the elevation influences.
- For temperature and pressure, this app will always calculate and convert the calibration value in °C and hPa.

## FIRMWARE



**(a) Settings page**  
On the settings page, click "Firmware".



**(b) Your current firmware version** is displayed. If new firmware is available (indicated by a red dot), click "Update"



After uploading the firmware to the console, please check the status of your device – see the MAINTENANCE / FIRMWARE UPDATE section for details.

For more detail, please refer to “**MAINTENANCE**” > “**FIRMWARE UPDATE**” section.

## CREATE AN ACCOUNT ON THE WEATHER SERVER AND ADD YOUR STATION

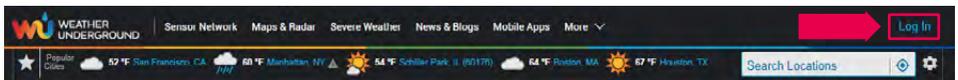
This console allows you to use your Wi-Fi router to upload weather data to Weather Underground, Weathercloud or a third-party cloud server. You can set up your device using the steps below.

**NOTE:**

The addition of the cloud server website and application is subject to change without notice.

## FOR WEATHER UNDERGROUND (WU)

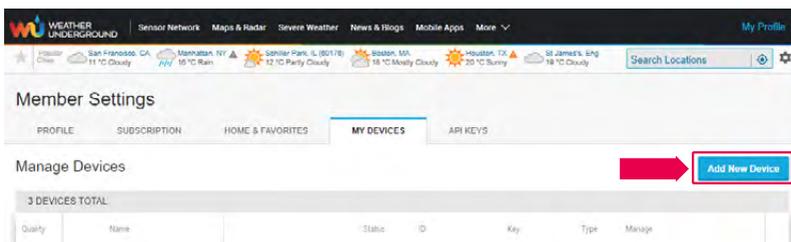
1. At <https://www.wunderground.com>, click “**Join**” in the upper right corner to open the registration page. Use the instructions to create an account.



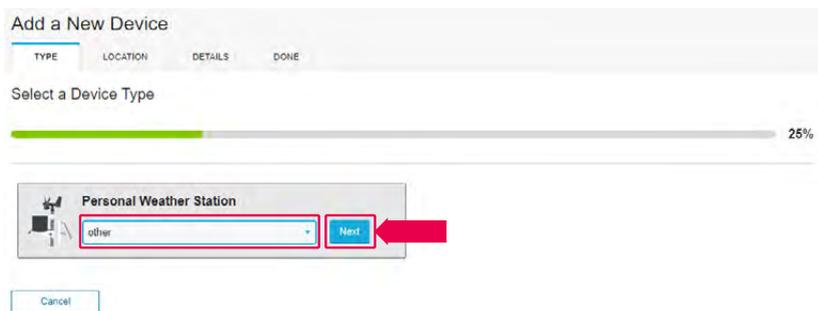
- When you have created your account and finished e-mail verification, go back to the WUnderground website and log in. Then click on **"My Profile"** at the top to open the drop-down menu and click on **"My Devices"**.



- At the bottom of the **"My Weather Station"** page, click the **"Add New Device"** button to add your device.



- In the **"Select a Device Type"** step, select **"Other"** from the list, and then press the **"Next"** button.



5. In the “Set Device Name & Location” step, select your location on the map and then press the “Next” button.

Add a New PWS

TYPE LOCATION DETAILS DONE

Set Device Name & Location

50%

Device Location:

Address  Manual  Automatic

Your Location has been verified and added!

Elevation: 248 m  
Lat, Lon: 50 070 14 425  
Neighborhood: Prague  
Time Zone: Europe/Prague

Map showing location in the Czech Republic.

6. Follow the instructions to enter your station information; in the “Tell Us More About Your Device” step, (1) enter the name of your weather station, etc., (2) select “other”, (3) select “I Accept” to accept Weather Underground’s privacy policy, and (4) click “Next” to create your station ID and key.

Add a New PWS

TYPE LOCATION DETAILS DONE

Tell Us More About Your Device

75%

Names:(Required) name is required

Elevation:(Required)

Device Hardware:(Required)

Surface Type:

Height Above Ground:

You Make Our Forecasts More Accurate, We Respect Your Privacy

Contribute to the Weather Underground community by sharing some information about yourself and your sensor. We use this information to manage your account and to improve the experience from the Weather Underground community. We may also share certain data for commercial purposes, such as your sensor location.

Learn more about how we take your privacy seriously

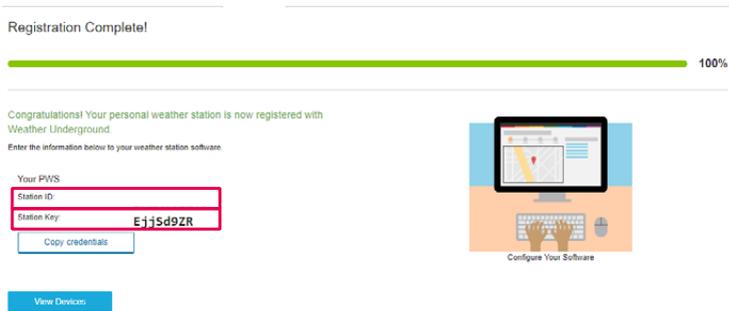
I Accept  I Deny

You must accept the privacy to add a device

Email Preferences:

I would like to receive PWS notifications

7. Take a note of your **“Station ID”** and **“Station key”** for the next setup step.

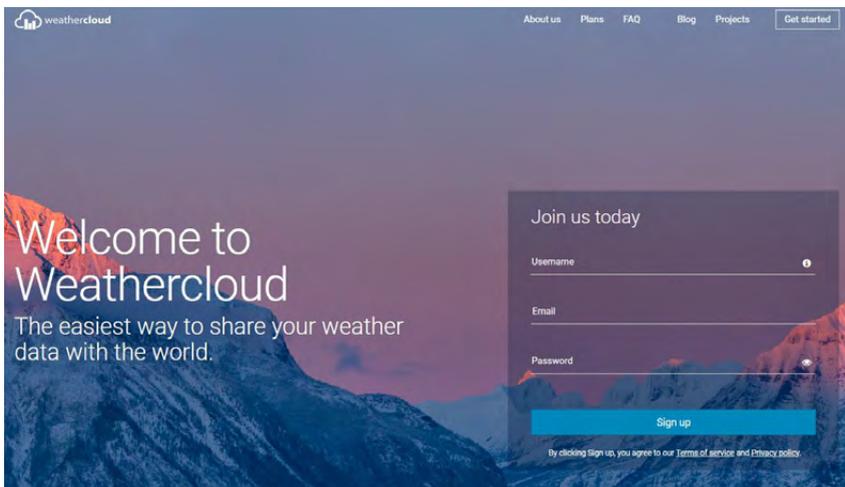


8. The chapter METEOROLOGY SERVER SETUP c1 shows the location for inserting the generated ID and key. After entering the correct characters and digits, the values are automatically sent to the WUunderground cloud.

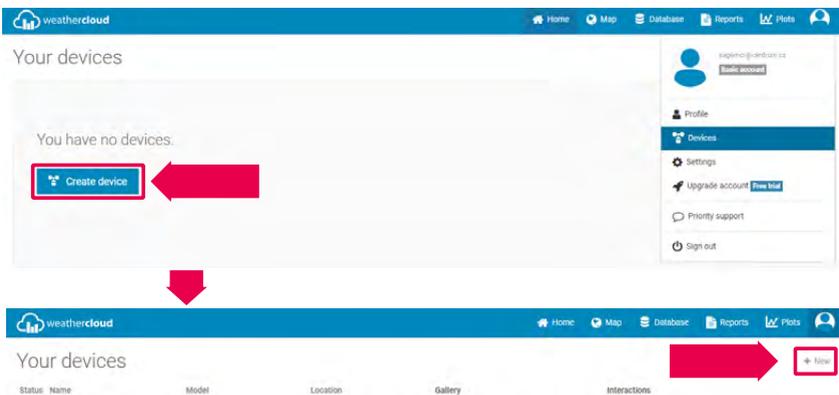
**Warning:** please keep the generated format when inserting characters. Keep the size of the letters.

## FOR WEATHERCLOUD (WC)

1. At <https://weathercloud.net>, enter the information under **“Join us today”** and then follow the instructions to create your account.



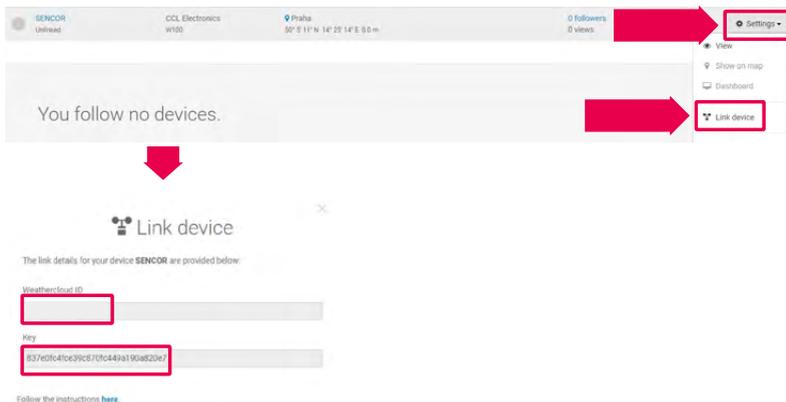
2. Log into Weathercloud and then go to the “Devices” page, “Create device” and then “+ New” to create a new device.



3. On the Create new device page, enter all information and select “W100 Series” in the Model\* selection box under “CCL”. In the Link type\* selection box, select “SETTINGS”. When you are finished, click Create.

The screenshot shows the 'Create new device' form. It is divided into two main sections: 'Basic information' and 'Location'. In the 'Basic information' section, the 'Name' field contains 'SENCOR', the 'Model' dropdown is set to 'W100', and the 'Link type' dropdown is set to 'SETTINGS'. In the 'Location' section, the 'Country' dropdown is 'Czech Republic', 'State / Province' is 'Praha', 'City' is 'Praha', and 'Time zone' is '(UTC+02:00) Prague'. Below the 'Location' section, there's a 'Coordinates' section with a 'Get coordinates' button, 'Latitude' set to '50.0865661', and 'Longitude' set to '14.4205856'. At the bottom right, there is a green 'Create' button with a checkmark, highlighted by a red arrow.

4. Make a note of your ID and key for the next setup step.



5. The chapter METEOROLOGY SERVER SETUP c2 shows the location for inserting the generated ID and key. After entering the correct characters and digits, the values are automatically sent to the Weathercloud cloud.

**Warning:** please keep the generated format when inserting characters. Keep the size of the letters.

## SHOWING YOUR METEOROLOGICAL DATA ON WUNDERGROUND

To view live-streamed data from your weather station in a web browser (PC or mobile version), please visit <http://www.wunderground.com> and enter your “**Station ID**” in the search field. Your meteorological data will be shown on the next page. You can also log in to your account and view or download your weather station’s recorded data.



Another way to view your station data is to enter the following address in the URL bar of your web browser:

**<https://www.wunderground.com/dashboard/pws/XXXX>**

Instead of XXXX, enter your station’s Weather Underground ID to directly access your station’s live feed.

The Weather Underground website also has detailed information about the mobile app for Android and iOS.

# VIEW LIVE WUNDERGROUND AND WEATHERCLOUD LIVE DATA

## View your weather data in Wunderground

Log in to your account.

To view live-streamed data from your weather station in a web browser (PC or mobile version), please visit <http://www.wunderground.com> and enter your “**Station ID**” in the search field. Your meteorological data will be shown on the next page. You can also log in to your account to view and download your weather station’s recorded data.



Another way to view your station data is to enter the following address in the URL bar of your web browser:

<https://www.wunderground.com/dashboard/pws/XXXX>

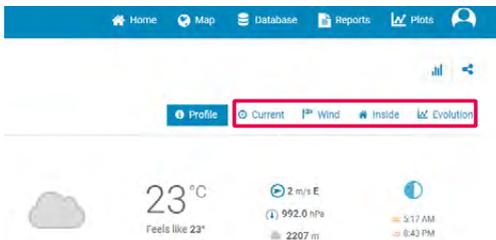
Instead of XXXX, enter your station’s Weather Underground ID to directly access a live view of your station’s data.

## View your weather data in Weathercloud

1. To view live-streamed data from your weather station in a web browser (PC or mobile version), please visit <https://weathercloud.net> and log in to your account.
2. Click on the  icon inside your station’s drop-down menu .



3. Click on “**Current**”, “**Wind**”, “**Evolution**” or “**Inside**” to view live-streamed data from your weather station.



## DISPLAYING WEATHER DATA USING WSLINK

In the WSLink app, you can tap on the WUnderground and/or Weathercloud icon under “Your Device” to directly access live weather data on the respective dashboard.



# MAINTENANCE

## FIRMWARE UPDATE

This console supports OTA firmware updates. Its firmware can be updated wirelessly at any time (when necessary) using the WSLink application.

### Firmware Update Procedure

1. The latest firmware is downloaded to your smartphone automatically, just connect your console to check the firmware version.
2. Follow the instructions in the app to transfer the OTA file from your smartphone to the console
3. After the file is transferred, the console will start updating; the update time is approximately 5~10 minutes.
4. After the update is complete, the console restarts.
5. The console will remain in **AP mode** so that you can check the firmware version and all current settings. To exit AP mode, press and hold the **[SENSOR / WI-FI]** button for 6 seconds.

#### IMPORTANT NOTES:

- *Please do not disconnect power during the update process.*
- *Please ensure that your Wi-Fi connection is stable.*
- *Once the update process has started, do not use your smartphone and console until the update is complete.*
- *During a firmware update, the console stops uploading data to the weather server. After a successful firmware update, it reconnects to your Wi-Fi router and uploads the data. If the console cannot connect to your router, please open the WSLink application and re-configure the settings.*
- *If setting information is missing after the firmware update, please re-enter the setting information.*
- *The firmware update process is a potential risk and therefore we cannot guarantee 100% success. If the update fails, please do it again by repeating the above step.*

## INSTRUCTIONS AND INFORMATION ON THE DISPOSAL OF PACKAGING MATERIALS

Dispose of your packaging material at your local waste disposal site.

## DISPOSAL OF DISCARDED ELECTRICAL AND ELECTRONIC EQUIPMENT



This symbol on products or in the original documentation means that discarded electrical or electronic products must not be disposed of in normal municipal waste. Ensure proper disposal and recycling of these products by taking them to the appropriate collection yards. In some European Union countries or in some European countries, you can also return your products to the local retailer when purchasing an equivalent new product. Proper disposal of this product helps protect valuable natural resources and prevents environmental damage from improper waste disposal. Further details can be obtained from local authorities or the nearest collection centre. Pursuant to the national regulations, improper disposal of this type of waste may be subject to penalties.

### For Companies in European Union Countries

If you want to dispose of electrical or electronic equipment, request necessary information from your retailer or supplier.

### Disposal in Countries Outside the European Union

This symbol is valid in the European Union. If you wish to dispose of this product, please obtain the necessary information on the correct method of disposal from your local authority or your dealer.



This product meets the relevant EU requirements.

FAST ČR, a.s. hereby declares that the radio device type SWS 10500 conforms to the 2014/53/EU directive. For the full version of the EU declaration of conformity, please refer to:

[www.sencor.eu](http://www.sencor.eu)

Text, design and technical specifications are subject to change without prior notice, and we reserve the right to make changes.

The original version is in the Czech language.

Manufacturer's address: FAST ČR, a.s., U Sanitasu 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 indentified according to the presented documents (e.g. the serial number or the warranty seal has been damaged).

### **Manufacturer:**

FAST ČR, a.s., U Sanitasy 1621, Říčany 251 01, Czech Republic  
info@sencor.com

### **Authorized service centers:**

Visit [www.sencor.com](http://www.sencor.com) for detailed information about authorized service centers.

The original version of the instructions is in the Czech language, other language versions are made by the appropriate translation.



