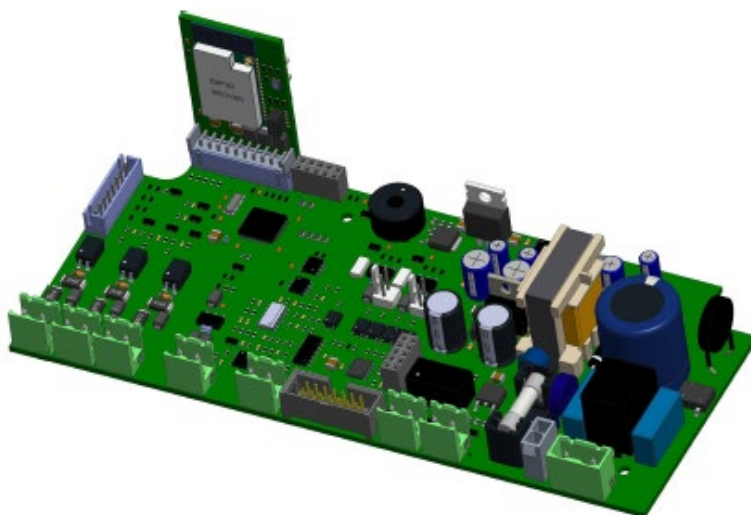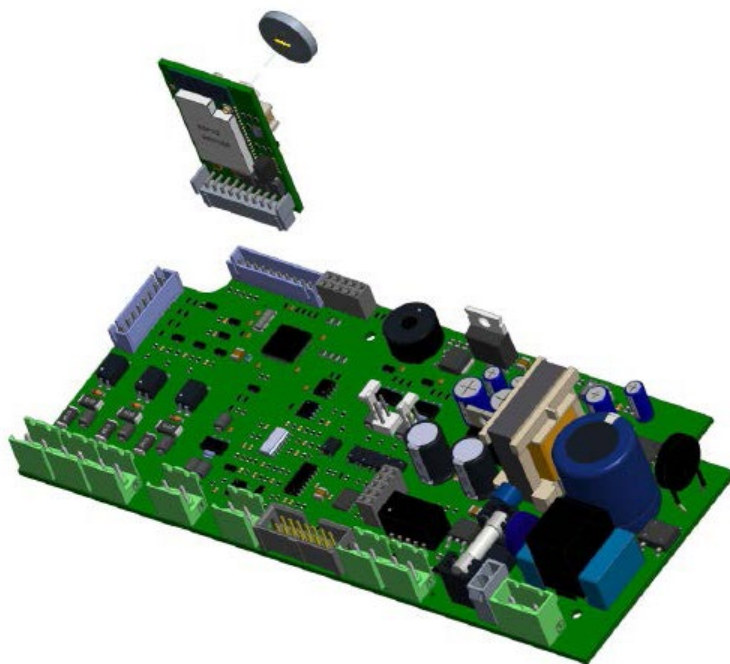# WAREDOSE 35 WiFi

ADDENDUM WiFi connection and programming

1. Connecting the Wi-Fi board and battery to the unit

Before starting the device, it is necessary to connect the button battery to the Wi-Fi module and then insert the WiFi module on the device main board, as shown in the images below.

This will allow the ESP module to keep the correct programmed date and time in case it is switched off.

2. Programming

The unit contains a built-in web server located in the system controller. This allows you to program and calibrate it through four modes:
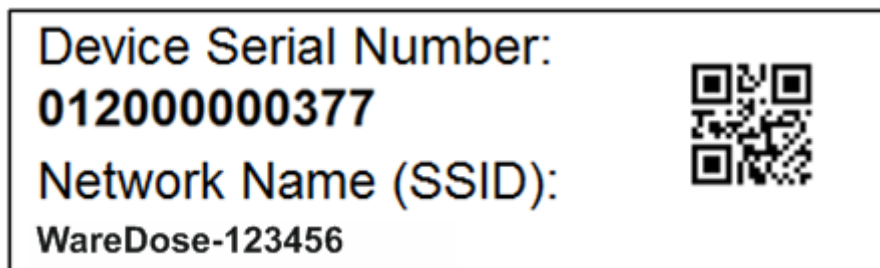
1.   Local programming via the SekoWeb APP for smartphones or tablets.
2.   Local programming by using any Internet Browser.
3.   Remote programming via internet, by using the SekoWeb APP for smartphones or tablets.
4.   Remote programming via internet, by using any Internet Browser

2.1   Connection parameters

Before starting any kind of programming, it is necessary to know the connection parameters of the WareDose. On the external enclosure of the unit, there is a label with the identification number (SSID) of the WiFi connection exposed by the device and the Device Serial Number useful to connect the device to the Cloud SekoWeb platform. The first allows to establish a direct connection with the device via WiFi, the second parameter is instead indispensable for the remote access via internet. These information are also reported in the main MENU of the unit after the standard programming parameters.
However, if you use the Sekoweb APP, all the needed actions can be performed without typing any one of these parameters but using only the useful QrCode printed there beside.
All the procedures for programming the Dispenser will be described in details here below. As an example, the information required for the connection will be as below:

Device Serial Number:
012000000377
Network Name (SSID):
WareDose-123456

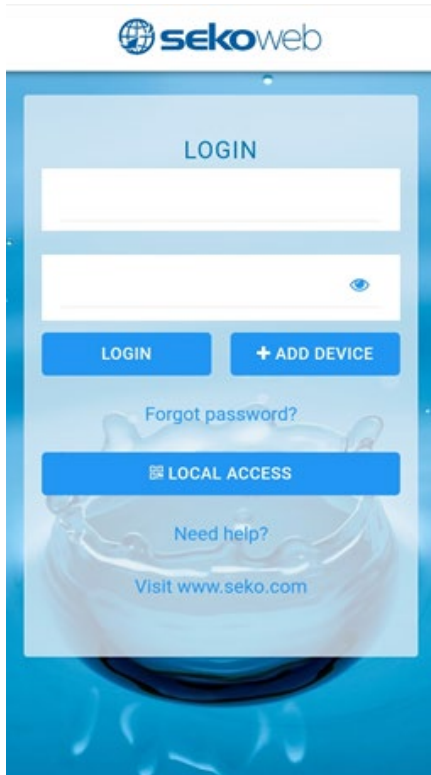## 2.2 Local programming by using SekoWeb APP (suggested)

Download the SekoWeb APP through the Apple Store (for iOS systems) or Play Store (for Android system) onto your smartphone or tablet

Fully control your SEKO devices by the web

Seko Spa

Start the APP and click on the "LOCAL ACCESS" button, then scan the QrCode printed on the connection label located on the external enclosure of the device (see paragraph 1.1) and follow the instructions in paragraph 1.3.3

STEP 1- Click LOCAL ACCESS   **STEP 2 -** Scan QrCode   **STEP 3 -** Login

2.3 Local programming by using any Internet Browser

If, for any reason, you don't want download SekoWeb into your device, or if you want to manage the device by a PC, you can access the pages if the internal WebServer of the WareDose even by using any Internet Browser already installed on your PC, Tablet or Smartphone, such as Internet Explorer, Chrome or Firefox. You can do this by using the WiFi capabilities of your device or a LAN Cable.

(Default password 0000)

2.3.1   Connection via WiFi

If you want to use the WiFi, first of all you have to connect to the WiFi generated by your WareDose. Make sure your WareDose is connected to the main power and switched on, and activate the WiFi interface of your desktop PC, notebook, smartphone or tablet device.
The information to connect to the WiFi of the unit are also reported in the MAIN MENU of the device itself after the standard programming options, as in the table below:

1	KOMMSPOT-75D4D4	**SSID** This parameter shows the SSID that must be searched between the different WiFi connections available to connect to the unit.
2	12345678	**PASSWORD** This parameter shows the password to be inserted to connect to the unit via WiFi.
3	192.168.003.001	**ADDRESS** This information shows the address of the internal web pages of the device, that can be entered by typing it on the search bar of the browser of your pc or smart device
4	Kommspot	**HOST NAME**

If the password to connect to the unit via WiFi has been changed and/or has been forgotten, it will be always possible to restore it to the default value by pressing LEFT and RIGHT buttons at power up of the unit.

Check the available wireless networks and look for Kommspot-75D4D4. Later it will be possible to change the SSID name in the Wlan configuration setting of the internal web pages
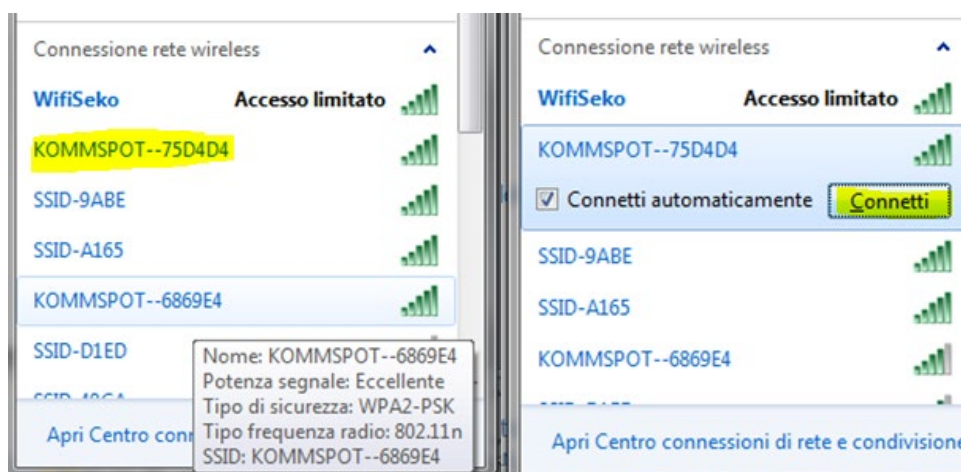
If there are two or more WareDose or other devices provided with WiFi interface in your installation site, you must find the right WiFi network by identifying it with the name reported on the label positioned on the device (see paragraph 2.1) or checking this name in the device menu. As an alternative, you can turn all the dispensers off, except the one you want to access.

Once located the right WiFi Network, you need to connect to this last, by typing the default password, which is: **12345678**. If your smartphone gives you a message to inform you that the selected WiFi network doesn't provide an internet connection, please ignore it, because you don't need internet to access the internal WebServer of your WareDose
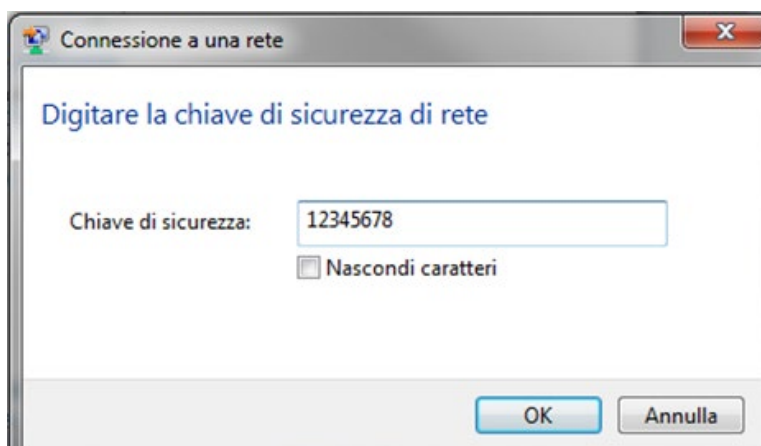
Once connected to the WiFi generated by the DispenserONE, open any browser to surf the Internet and type the address **http://192.168.3.1** in the address bar. **Pay attention that some BROWSERS, such as Google CHROME, require that you deactivate connection via phone network (mobile data) before entering the local server's IP address in the address bar.**
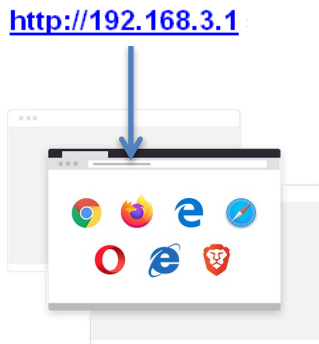

2.3.2 Access and settings

Log-in

ID	Description
1	User: By default the user is **ADMIN**
2	Password: The factory default pin is **0000**. You can change the pin on the Profile Settings page described later in this guide.

☐ Press **Login** to enter the web application.

Settings

The settings panel is located at the top right of the system home page. In addition to some connection information, it is possible to set the language of the device, access some settings and change the login password.
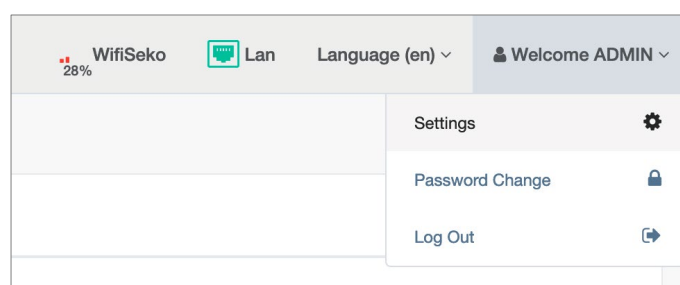
To set the date and time, click Settings. (The date and time of the system, if connected to the Internet, are updated automatically).

The Change password entry allows the system administrator to set the login password (a password change is strongly recommended the first time you log in).

You are now into the internal web pages of the device. You will see the Dashboard of the unit as per image reported below.
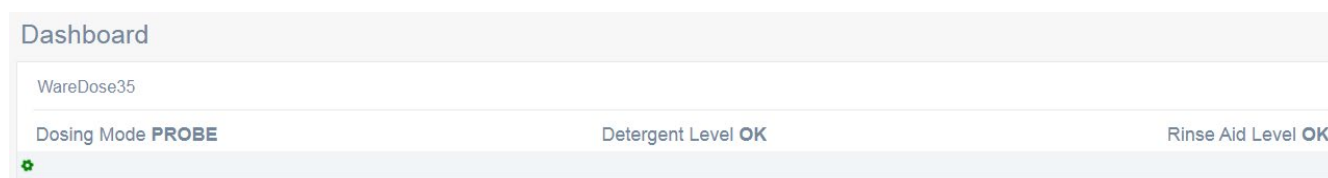
3. Monitor and control the unit on the internal web pages

3.1 Dashboard
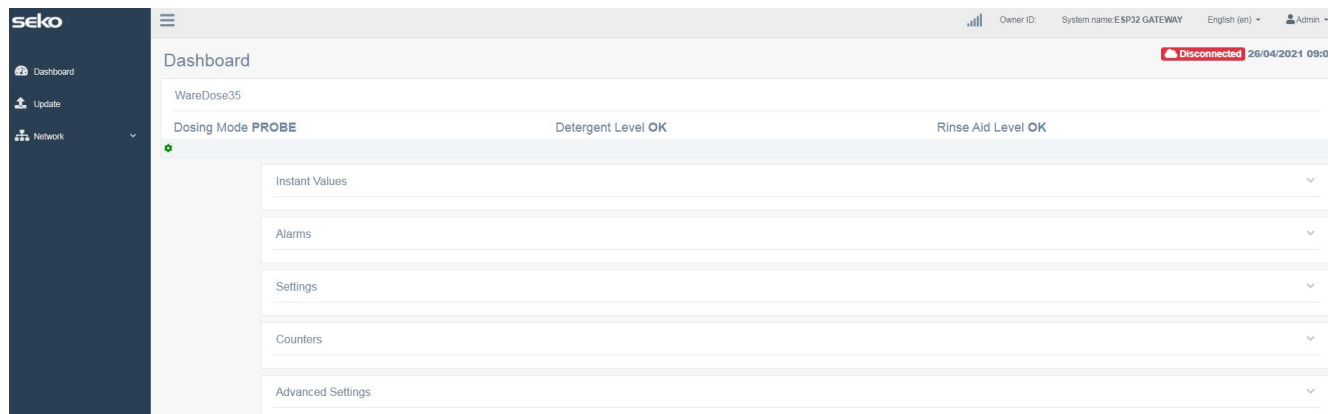
In the main screen of the internal web pages, called "Dashboard" you will see different section.
On the top, the "Status bar" contains the more relevant information available for the device, such as for example the level of the chemicals, or the type of dosage set for the unit.

The different sections can be expanded or collapsed to unhide/hide the set of information below them.

The **Instant Values** bar reports the main information on the unit, such as for example conductivity value measured, status of the motors or of the triggers, etc.

The **Alarms bar** reports the status of all the alarms that can be detected by the unit (Level alarms, motor block alarms, etc.)
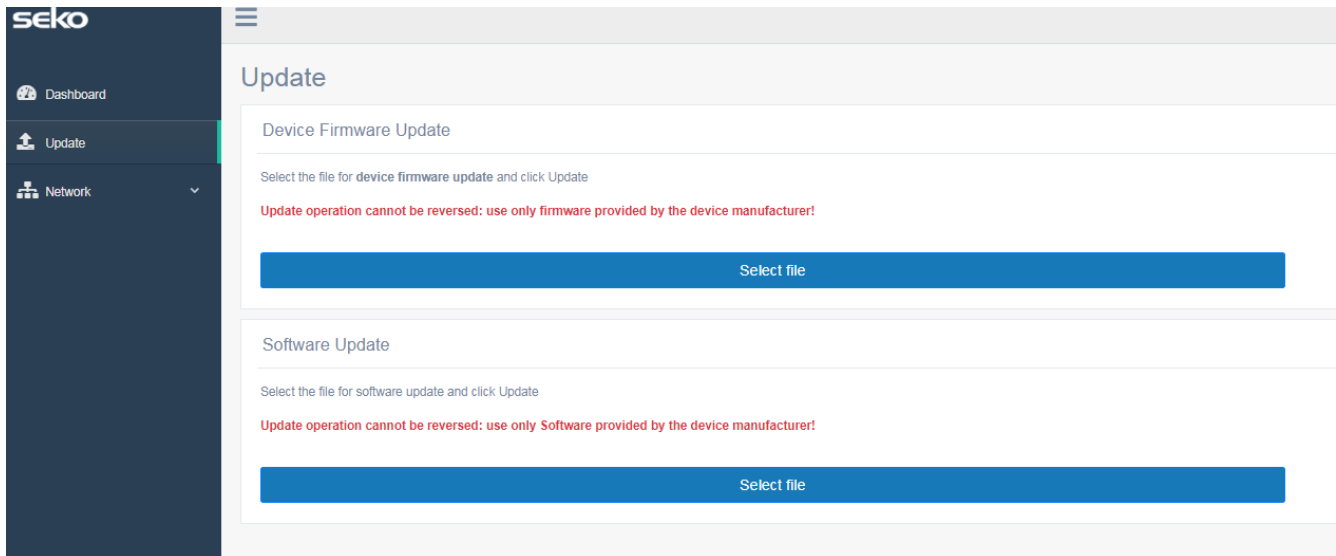
The **Settings bar** contains all the parameters that can be modified normally to correctly program the unit (Type of dosage, speed of the pumps, conductivity set point)

The **Counters bar** reports the real time values of all the counters available on the device

The **Advanced settings bar** contains some "advanced" parameters that can be modified only by users with special privileges (that can be defined by the administrator).

3.2 Update section

In the Update section it is possible to update remotely the firmware of the device or the software for the ESP module or for the web pages.
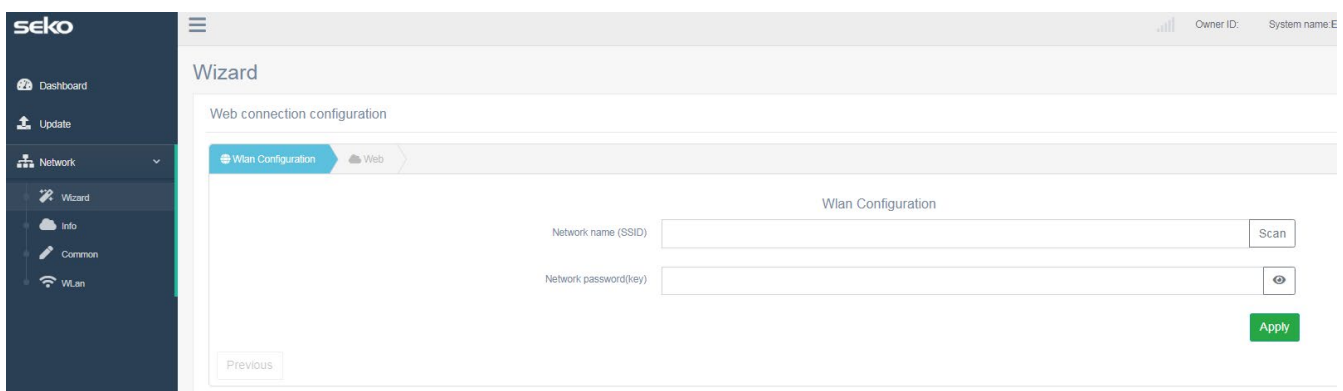

In order to update the firmware or the software, it is necessary to have a file with the extension .dat available for upload. This file contains all the information for updating both firmware or software, depending on where it is loaded only the firmware or only the software will be uploaded.

3.3 Network settings - Remote connection to the system via Sekoweb

Once connected to the local web pages of the unit, if a local accessible WiFi network is available, it is possible to register the unit on the Sekoweb.
First operation to be performed is to connect the unit to a local accessible WiFi network.
Under the Network > Wizard tab there is the possibility to "scan" for available networks.

Press "Scan" button to view the list of the available network connections.

Wlan scan

Network name (SSID)	Protection	Signal	Channel	
SSID-A165	WPA2 PSK	66%	1	CONNECT
SSID-5DAE	WPA2 PSK	61%	1	CONNECT
KOMMSPOT-759534	WPA2 PSK	60%	1	CONNECT
KBox-9799d8	WPA2 PSK	60%	2	CONNECT
WifiSeko	WPA2 PSK	58%	11	CONNECT
KOMMSPOT-75CEE4	WPA2 PSK	46%	8	CONNECT
DispenserOne-RAN	WPA2 PSK	36%	7	CONNECT
SEKO-TRAINING	WPA2 PSK	20%	11	CONNECT
SEKO-LAN	WPA WPA2 PSK	17%	11	CONNECT

Once the right network has been found, it is necessary to press "CONNECT" button and the insert the password of the selected network.
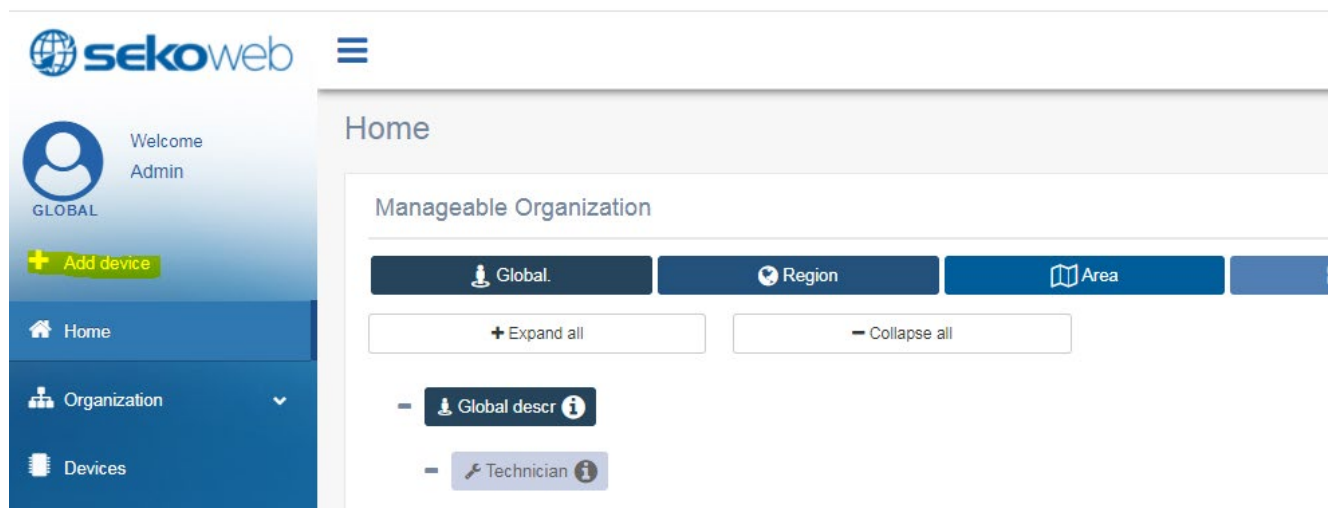When this operation has been done, the device needs only to be registered on the Sekoweb.
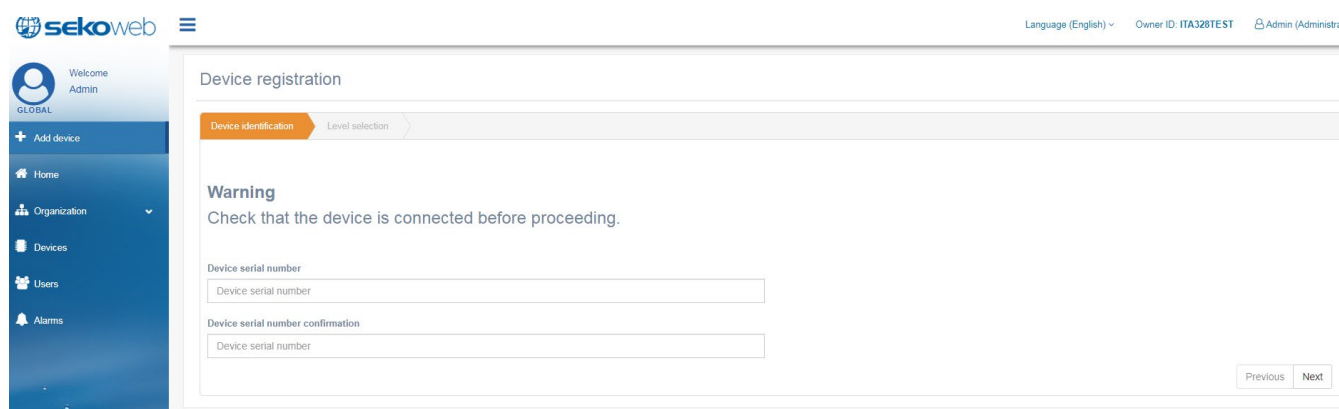There are two possible ways to register the device:

1) **Go to www.sekoweb.com website**,
- login with your user name and password

sekoweb

Login

👤 Username

🔑 Password

▾ English

Log in

Switch to Seko

Lost your password?

- On the left section of the site click on the "Add device" button.

- Insert the Device serial number reported on the product label
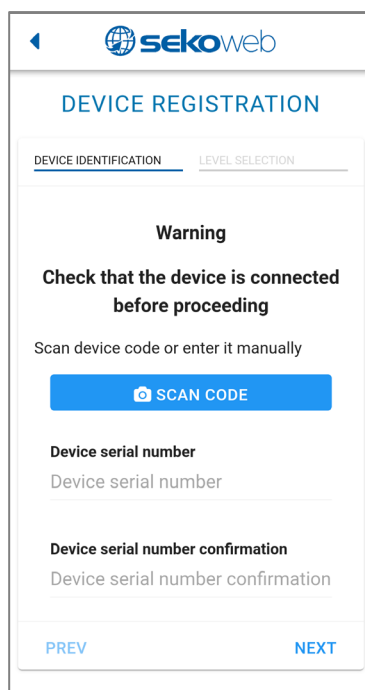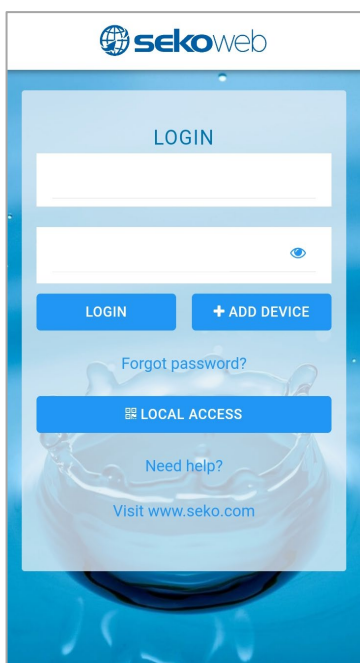

- Insert the Level of your organization under which register the device

2) Use Sekoweb APP.

- Download or update SekoWeb APP from AppStore or Google Play

- Insert username and password of your account
- Press ADD DEVICE button and scan the QR Code located in the product label

- Press SCAN CODE and center the QR code with the camera of your smart device, then follow the instructions to select a technical level and create the installation site.

Once your device has been registered, you will find it under the "devices" menu of the Sekoweb:

Clicking on the "Details" blue button on the right of the corresponding row, you will be able to access to the different sections of your device to monitor and control it remotely as you were in front of it.