Commissioning

Central HRU XVENT with WIFI controls

Options for commissioning

"First start-up of the unit – commissioning"

Possible methods of implementation:

1. **HARDWARE SETTINGS = without WIFI** (limited settings options)
    I. Switchers
    II. Jumper block
    III. Wall-mounted wire controller (accessory)
2. **WIFI OFFLINE** (Settings via PC/smartphone via WIFI network generated by HRU unit)
3. **WIFI ONLINE** (connecting the unit to a local WIFI network with Internet access)
4. **USB drive** (pre-prepared/copied .txt configuration file)

Options for commissioning

"First start-up of the unit – commissioning"

Possible methods of implementation:

1. **HARDWARE SETTINGS = without WIFI** (limited settings options)
    I. Switchers
    II. Jumper block
    III. Wall-mounted wire controller (accessory)
2. **WIFI OFFLINE** (Settings via PC/smartphone via WIFI network generated by HRU unit)
3. **WIFI ONLINE** (connecting the unit to a local WIFI network with Internet access)
4. **USB drive** (pre-prepared/copied .txt configuration file)

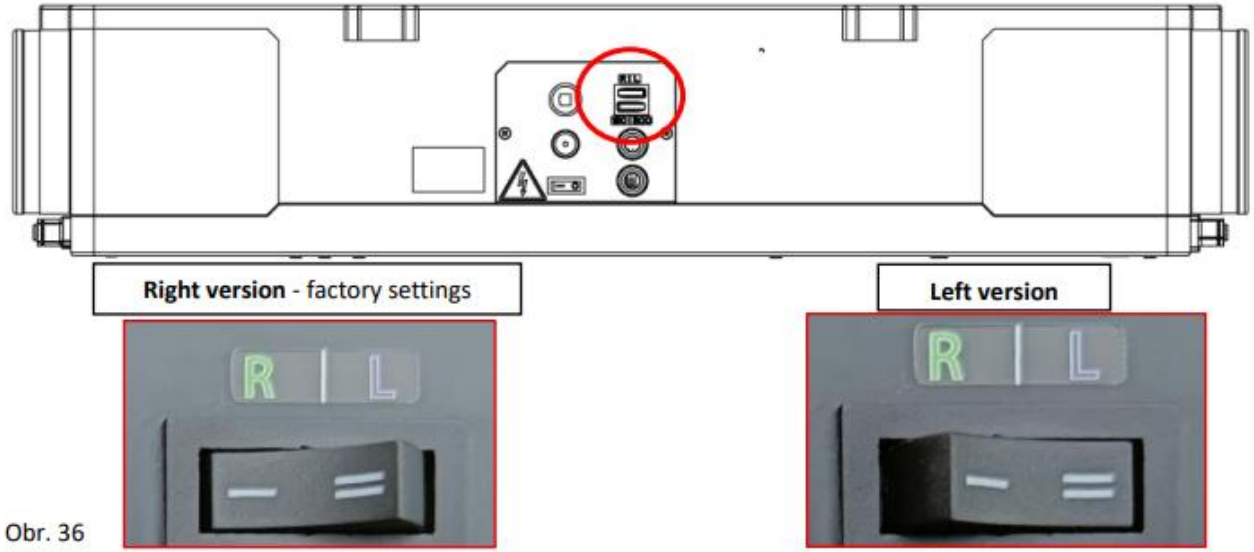
1. HARDWARE - SETTINGS

Xflat 150, Xflat 200; Xflat 350/450, XHOUSE 350/500

1. Settings for the right and left versions

(Applies only to units without preheater)

- Position "R" – right version – factory setting
- Position "L" – left version



Obr. 36

2. Setting the "Nominal Flow Rate"

4.2.3. Settings – switching the nominal output of the unit

- The unit has a switching of the nominal air output of 150m3/h and 200m3/h
- The required air output is set by switching the switch (position 19) to the following position:
  - Position "150" – nominal air output 150m3/h
  - Position "200" – nominal air output 200m3/h – factory setting

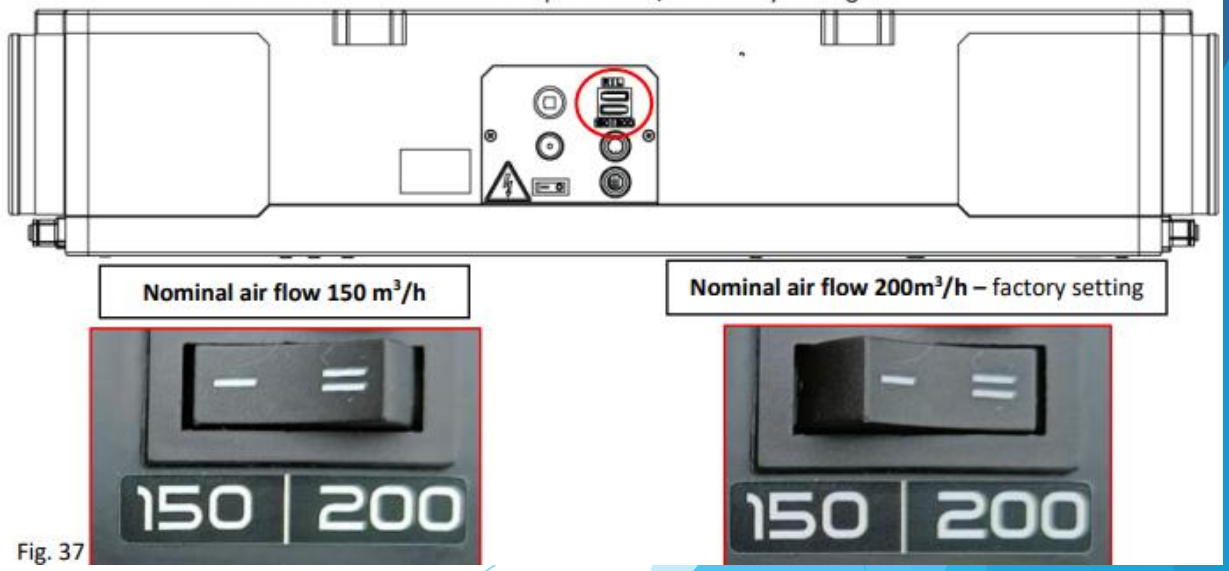
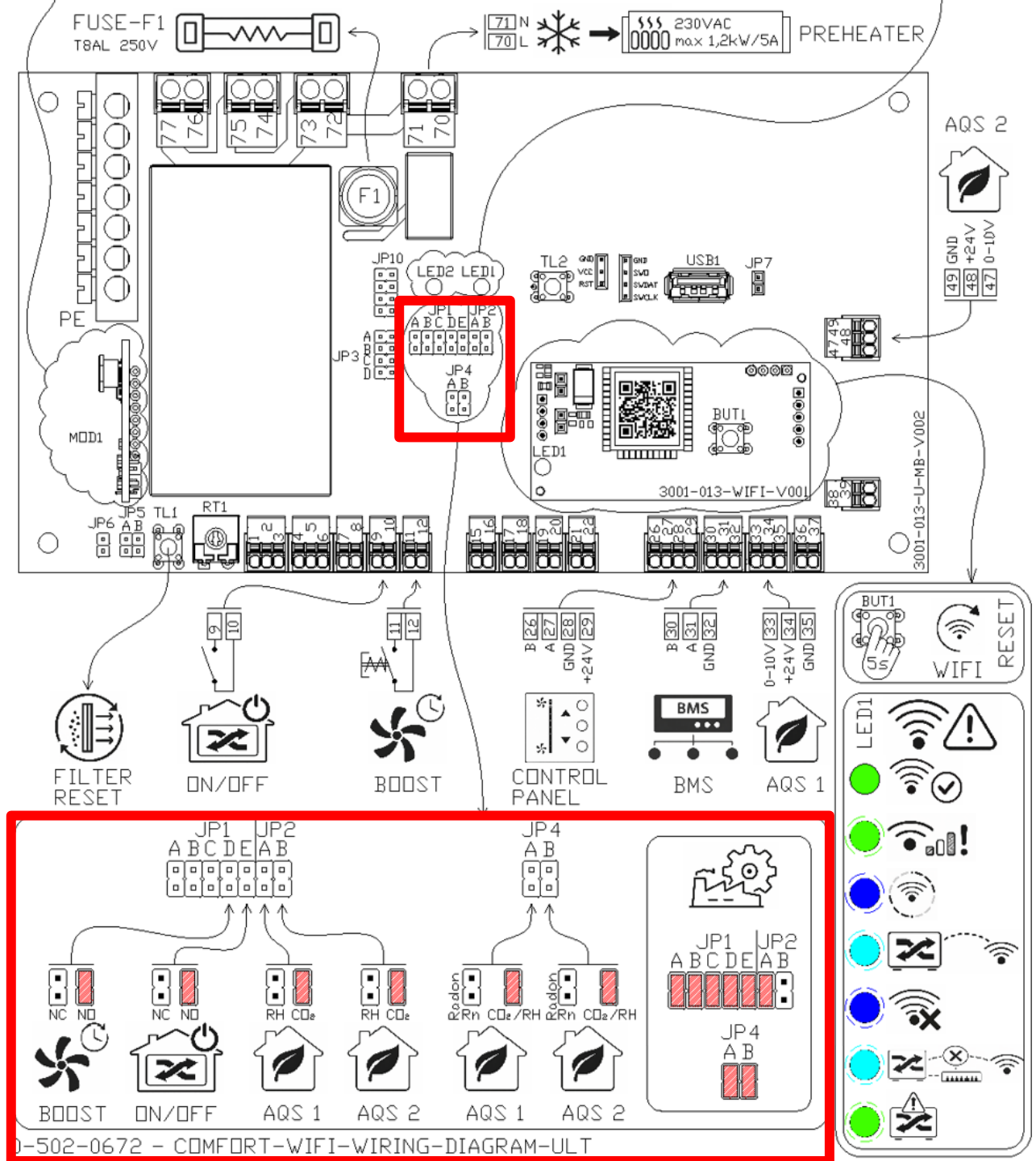


Fig. 37

1. HARDWARE SETTINGS - JUMPER BLOCK

JUMPER block settings:

1. AQS setting
2. Setting NC/NO logic of external contacts



1. HARDWARE SETTINGS - CONTROLLER

Setting up using a wired controller:

(ACCESSORIES):

1. BOOST time settings
2. Fan offset settings
3. Setting the conditions for automatic bypass

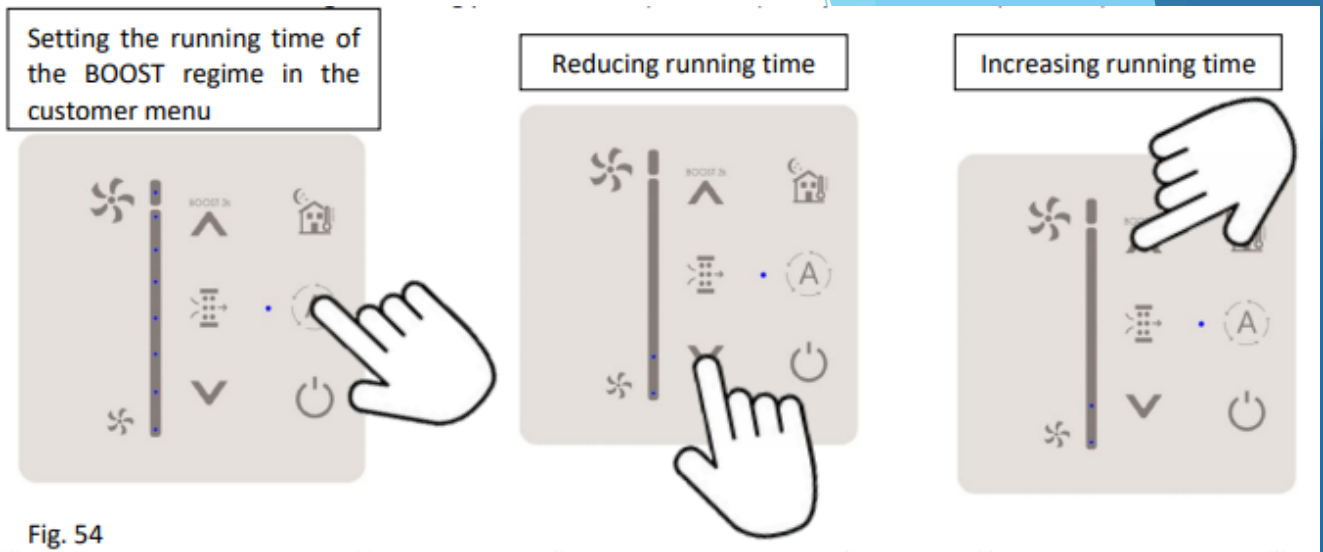


Fig. 54

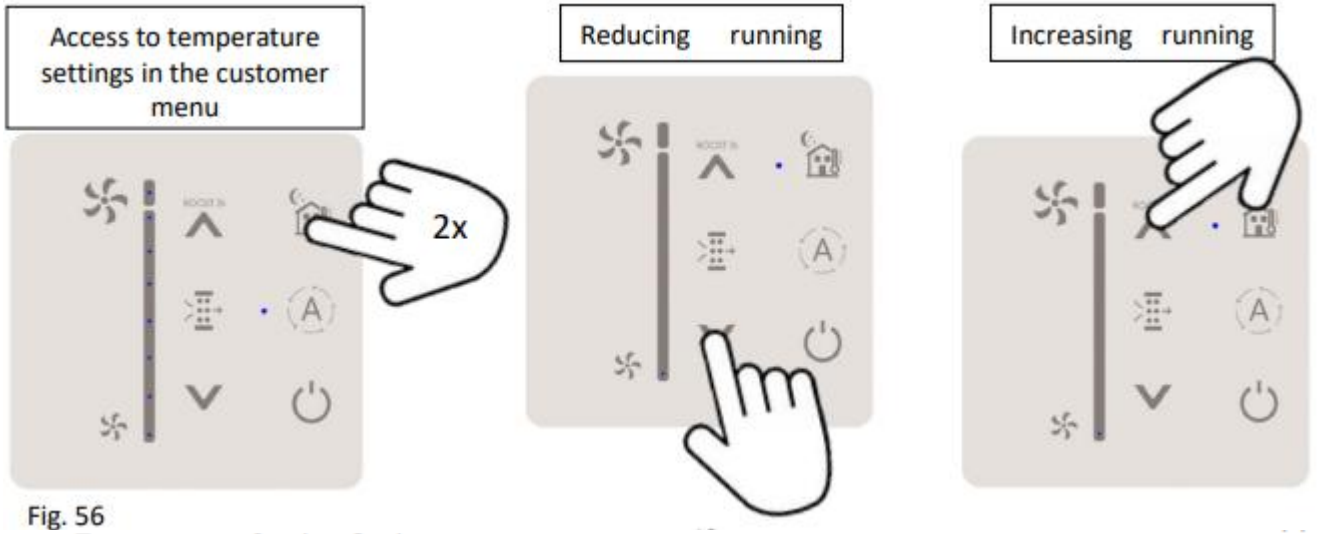


Fig. 56

- Temperature Setting Options

Setting minimum temperature conditions for bypass start-up	Displayed LED on the controller range	
	1	2
Fashion	**SET 1**	SET 2
Temperature conditions - exterior / interior	**19°C / 22°C**	19°C / 25°C

hysteresis 2°C

Highlighted values - factory settings

Options for commissioning

"First start-up of the unit – commissioning"

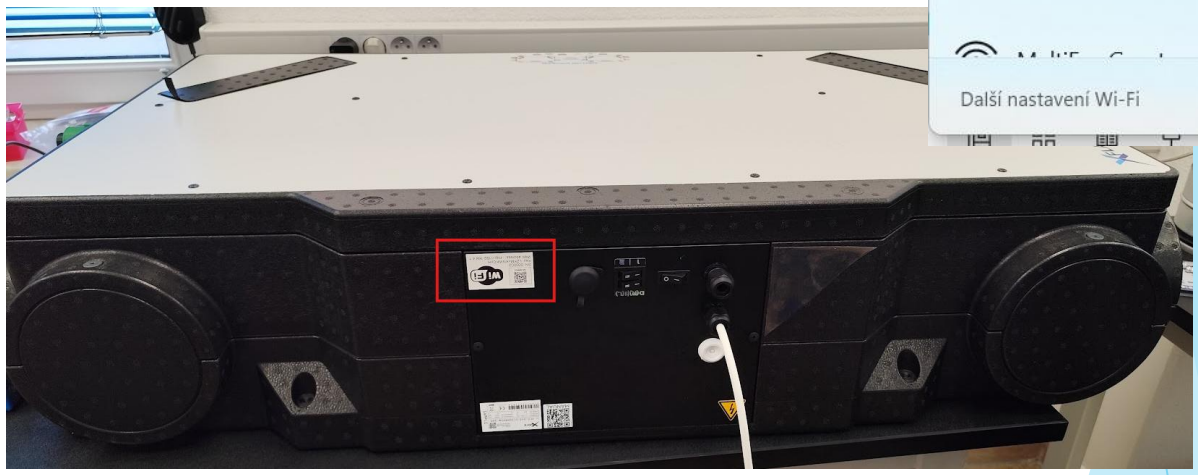
Possible methods of implementation:

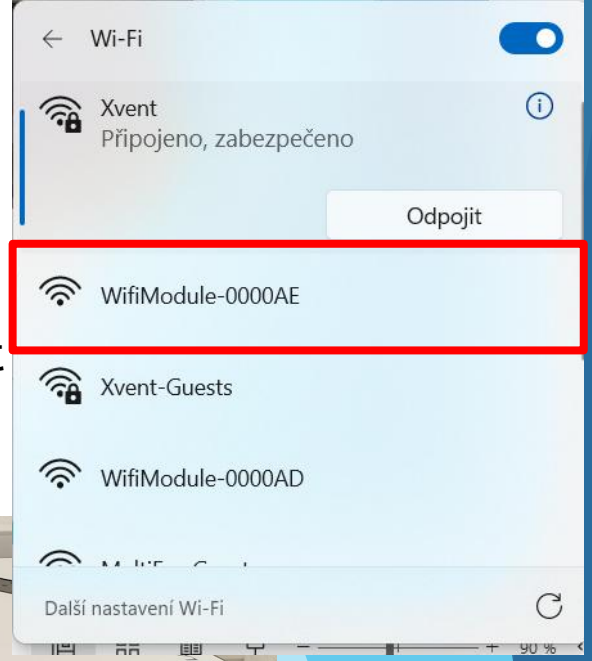
1. **HARDWARE SETTINGS = without WIFI** (limited settings options)
    I. Switchers
    II. Jumper block
    III. Wall-mounted wire controller (accessory)
2. **WIFI OFFLINE** (Settings via PC/smartphone via WIFI network generated by HRU unit)
3. **WIFI ONLINE** (connecting the unit to a local WIFI network with Internet access)
4. **USB drive** (pre-prepared/copied .txt configuration file)

2. WIFI OFFLINE

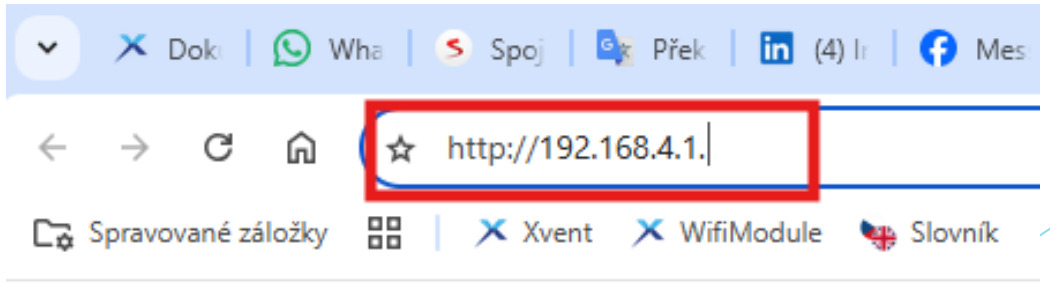
Procedure:

1. Connect your smartphone (PC) to the WIFI network generated by the HRU unit
   - WIFI network name = Serial number (SN) of the WIFI module indicated on the unit





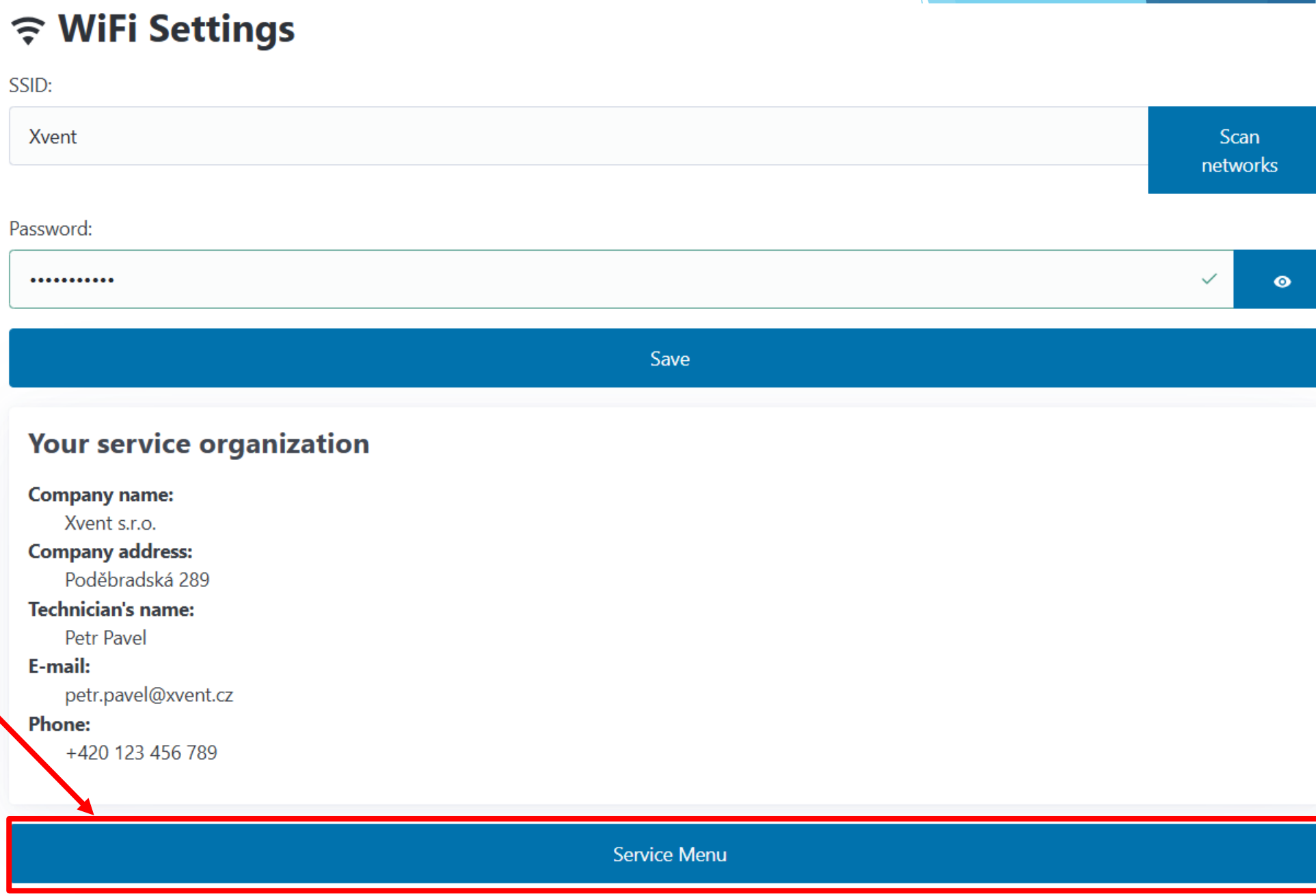
2. Open Google Chrome (or another browser) and enter the following address in the address bar:



2. WIFI OFFLINE

Service MENU:

1. (If you have internet access and know the password for the local WIFI connection, you can activate ONLINE WIFI)
2. If the internet is not available, you can click on the Service menu and perform OFFLINE WIFI commissioning via the WIFI network transmitted by the XVENT unit



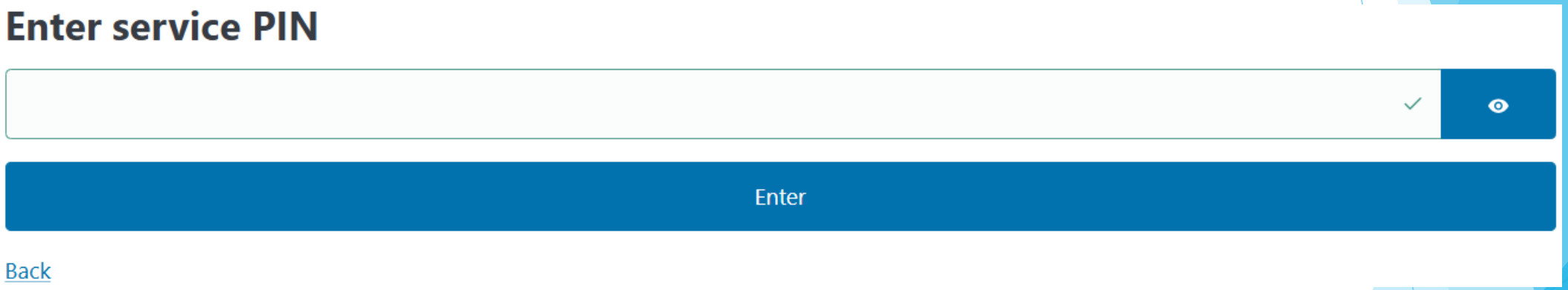
2. WIFI OFFLINE

Filling in details about the service organization – mandatory
(only needs to be filled in once)

2. WIFI OFFLINE

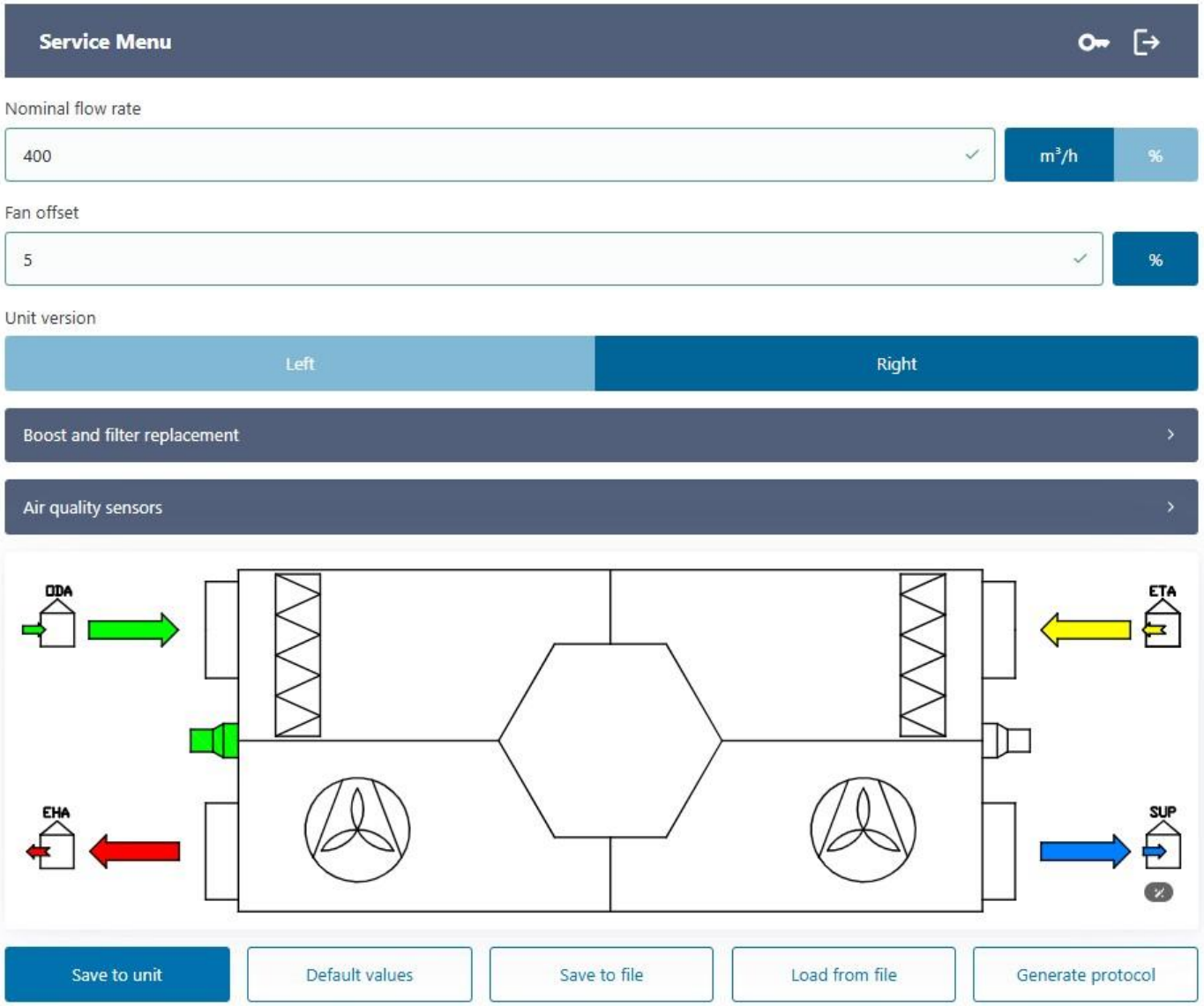
Procedure:

- Enter **PIN : 7284** (listed in the manual in the service section, can be changed)



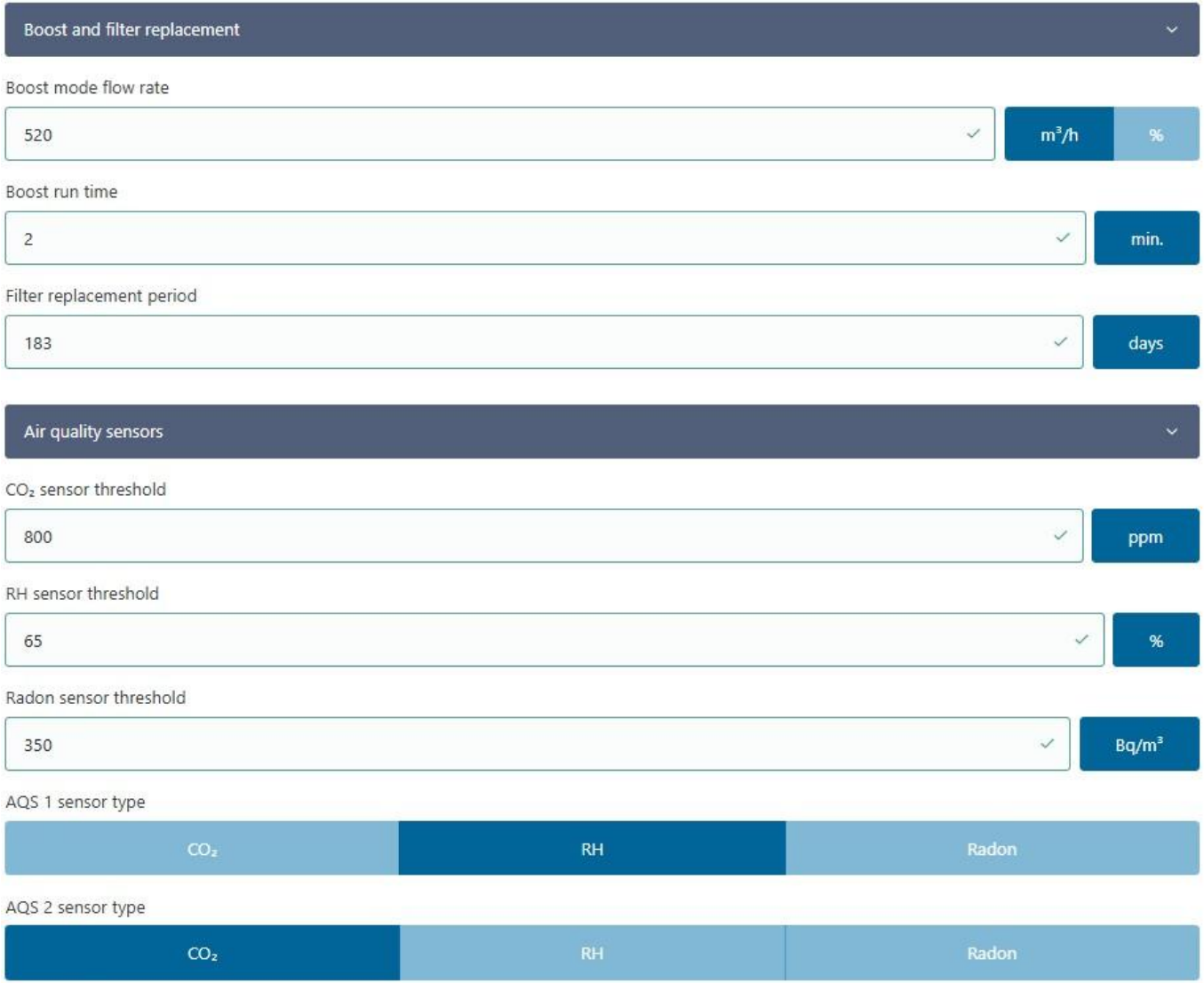
2. WIFI OFFLINE

Setting **the nominal flow rate, fan offset** (overpressure), **right / left versions:**



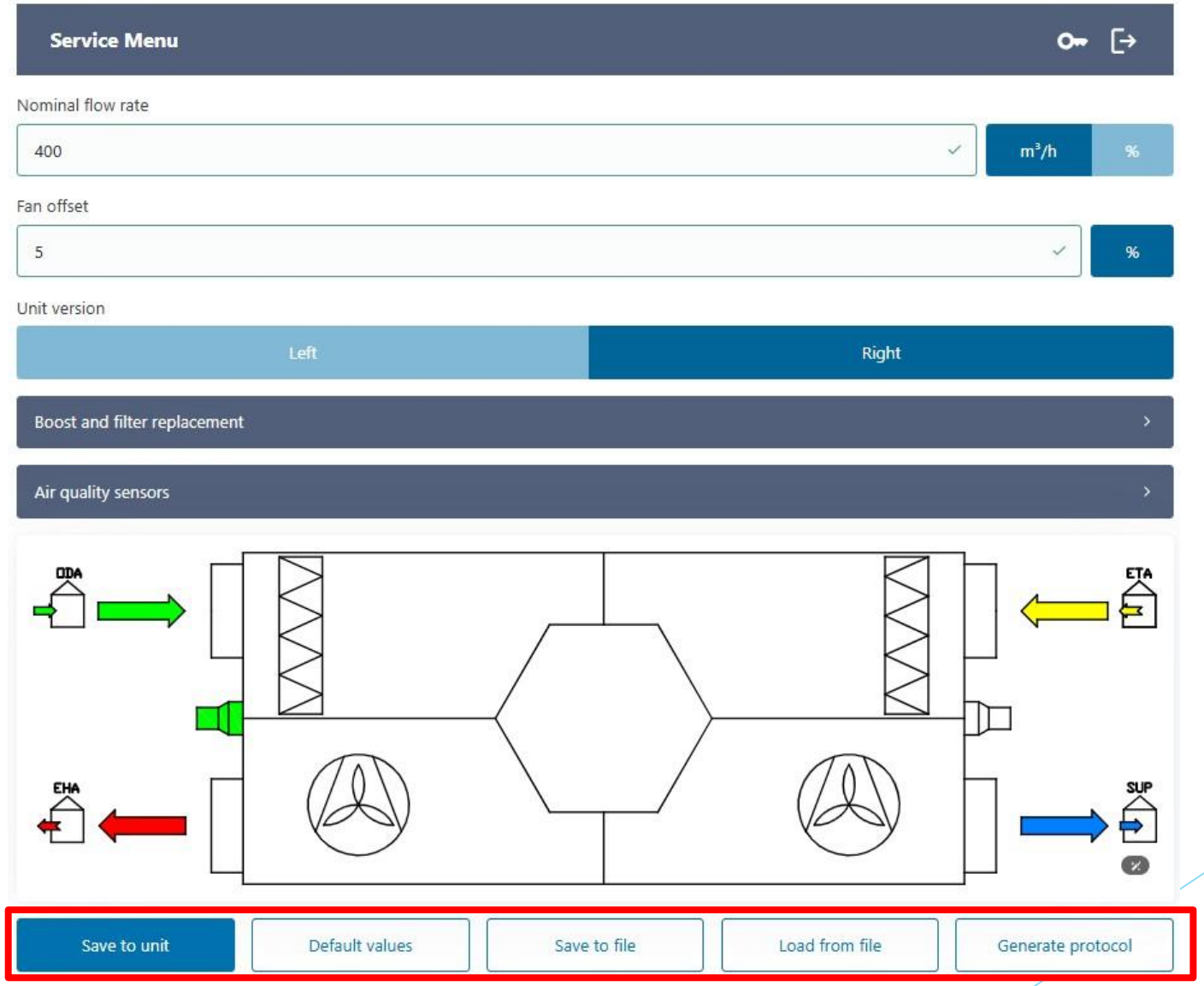
2.WIFI OFFLINE

Boost settings, filter and AQS sensor indicators:



2. WIFI OFFLINE

Save to configuration, Generate log, Save configuration file:



2. WIFI OFFLINE

Service Protocol - Unit Settings

Settings performed by company:
Xvent s.r.o.

Company address:
Poděbradská 289

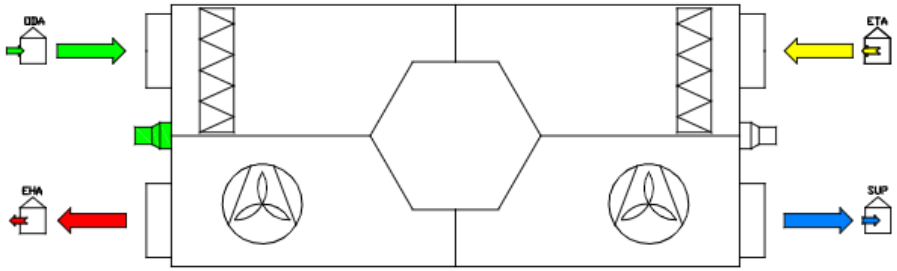
Technician's name:
Petr Pavel

Phone:	**E-mail:**
+420 123 456 789	petr.pavel@xvent.cz

Unit information

Unit type:	**Serial number:**
ceil_1	

Unit schema:



Unit parameter settings

Nominal flow rate: ***400*** *m3/h*	**Fan offset:** ***5*** *%*
Boost mode flow rate: ***520*** *m3/h*	**Boost run time:** ***2*** *min*
AQS 1 sensor type: Radon	**AQS 2 sensor type:** Radon
Radon sensor threshold: ***350*** *Bq/m³*	
Unit version: Right	**Filter replacement period:** ***183*** *days*

Date of unit service settings creation:
23. února 2026

Options for commissioning

"First start-up of the unit – commissioning"

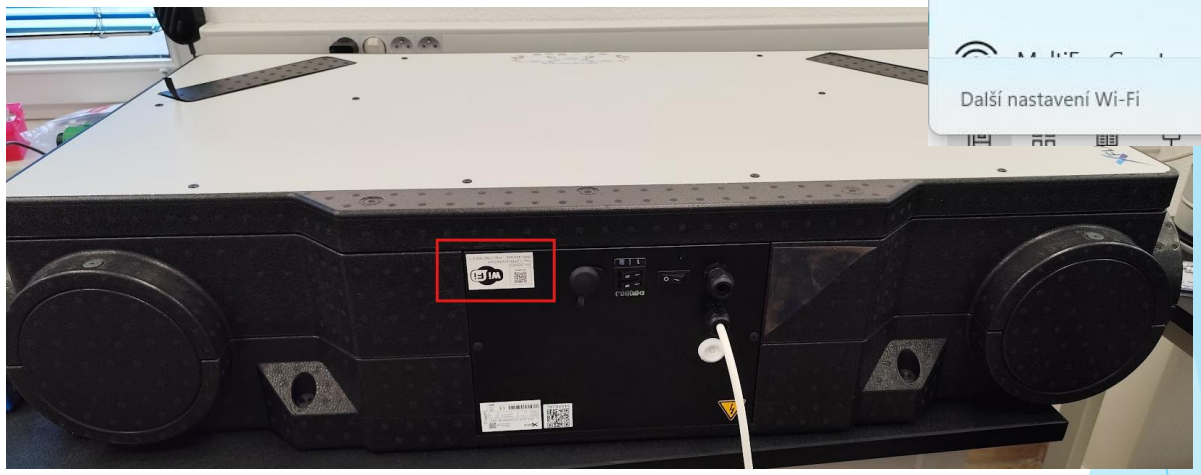
Possible methods of implementation:

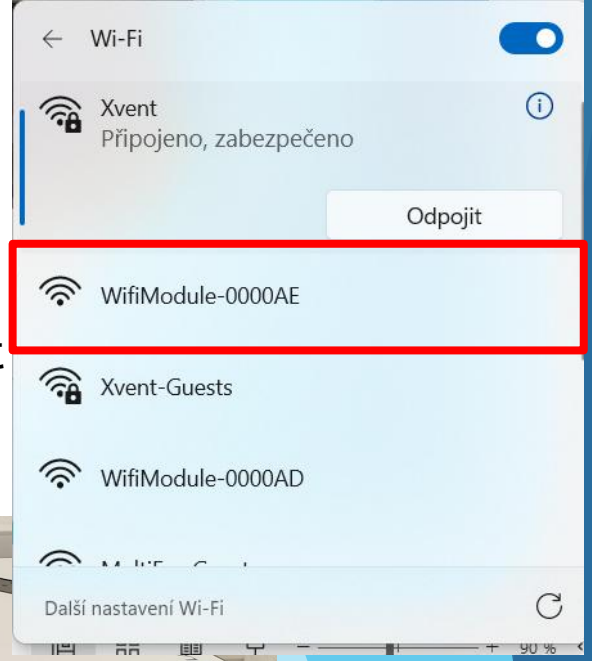
1. **HARDWARE SETTINGS = without WIFI** (limited settings options)
    I. Switchers
    II. Jumper block
    III. Wall-mounted wire controller (accessory)
2. **WIFI OFFLINE** (Settings via PC/smartphone via WIFI network generated by HRU unit)
3. **WIFI ONLINE** (connecting the unit to a local WIFI network with Internet access)
4. **USB drive** (pre-prepared/copied .txt configuration file)

3. WIFI ONLINE

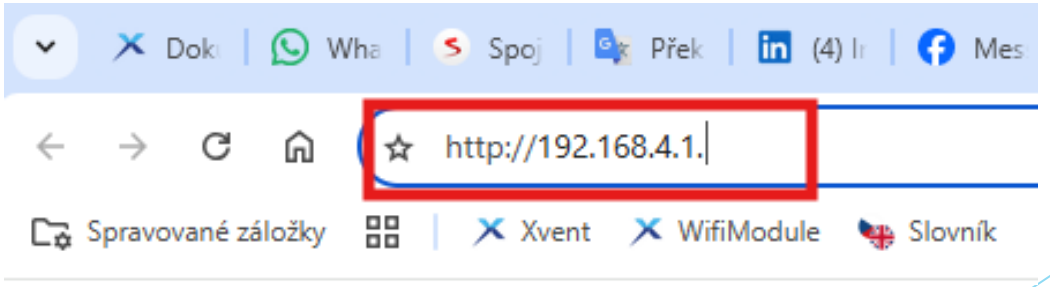
Procedure:

1. Connect your smartphone (PC) to the WIFI network generated by the HRU unit
   - WIFI network name = Serial number (SN) of the WIFI module indicated on the unit





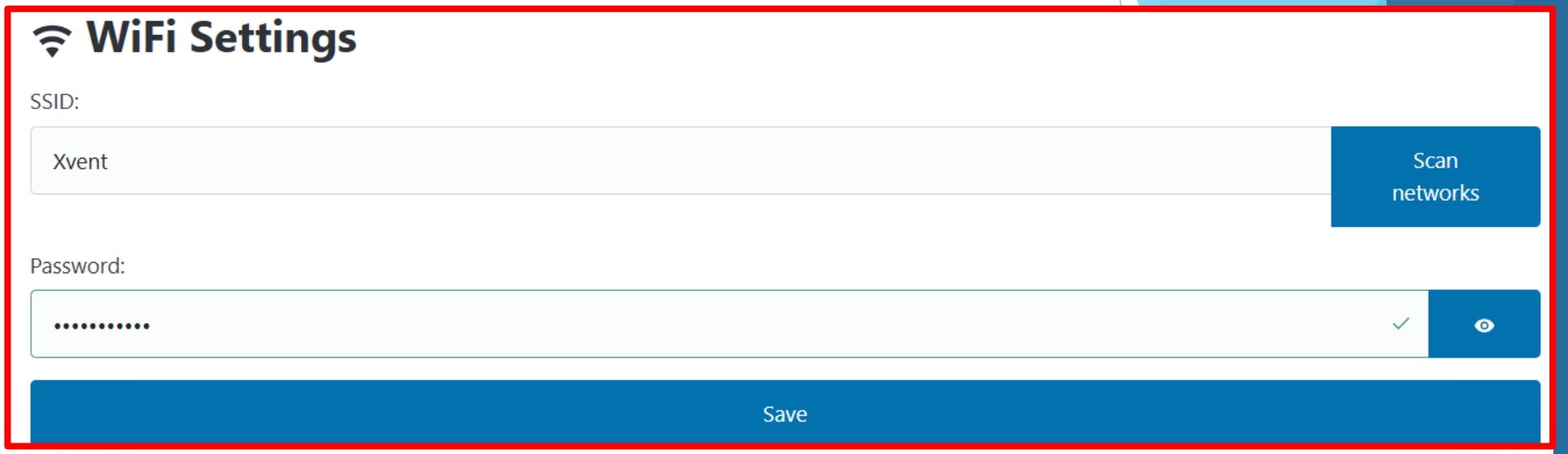
2. Open Google Chrome (or another browser) and enter the following address in the address bar:



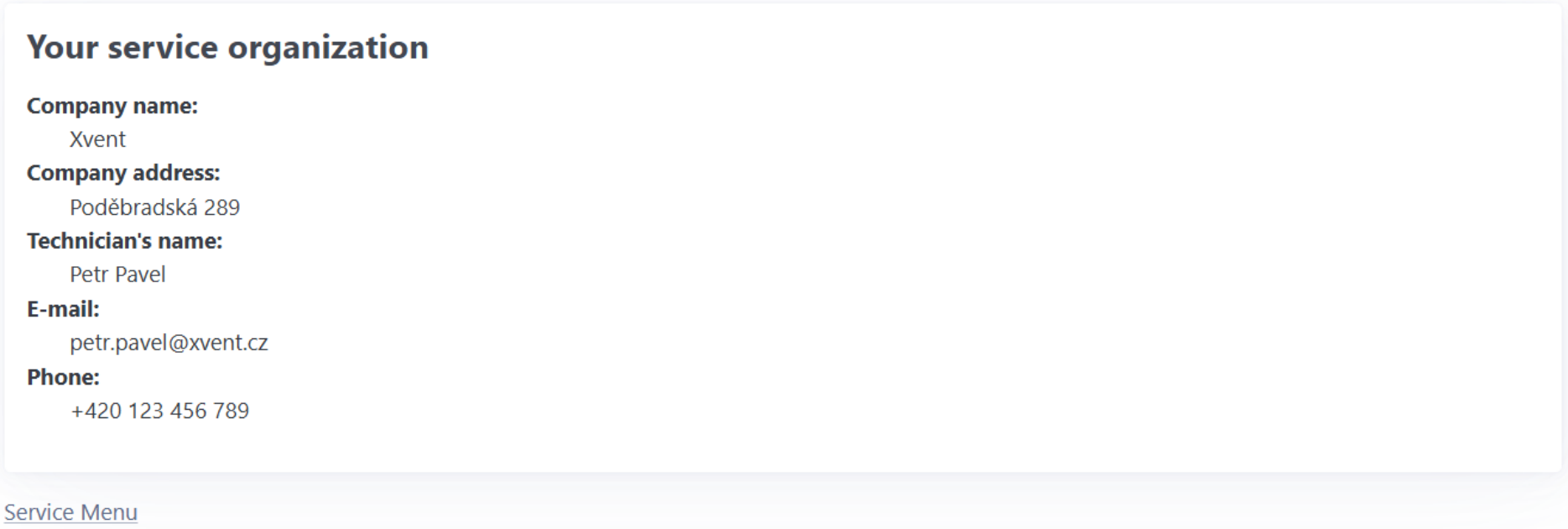
2. WIFI OFFLINE

Service MENU:

1. (If you have internet access and know the password for the local WIFI connection, you can activate ONLINE WIFI)



2. If the internet is not available, you can click on the Service menu and perform OFFLINE WIFI commissioning via the WIFI network transmitted by the XVENT unit



3. WIFI ONLINE

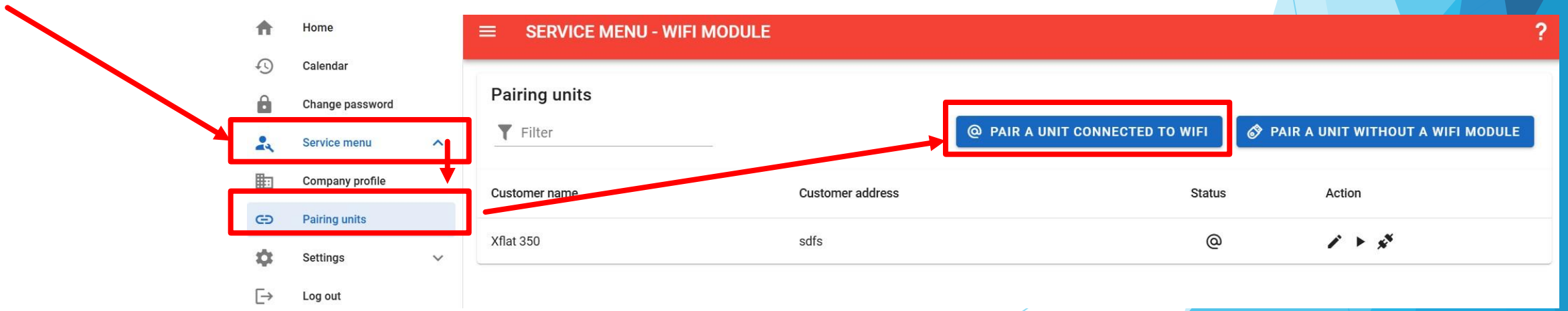
4 levels (roles) of access to the application

1. Administrator (Xvent)
2. Distributor (xxx)
3. Service technician (you must ask technical support of distributor to change user role)
4. End user (no access to the service menu)

Procedure:

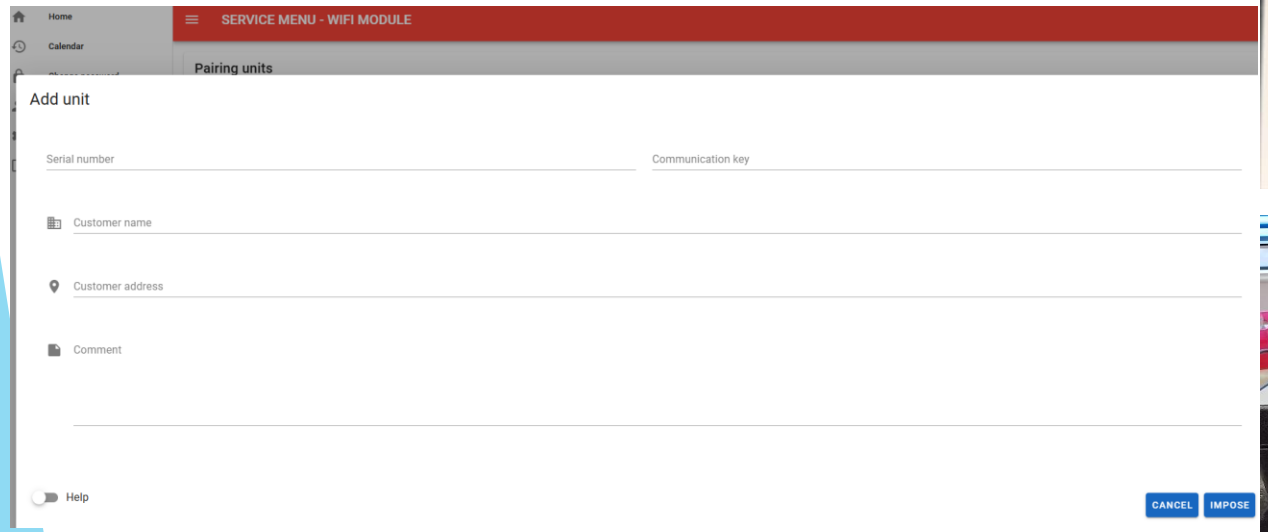
1. **Creating** a "**user**" profile on the server: https://wifimodule.eu/login
   - Email address, password creation, email address verification via automatically sent email

2. **„Distributor“** must assign the role **"Service Technician"** to the created profile **=> unlocks the Service menu**

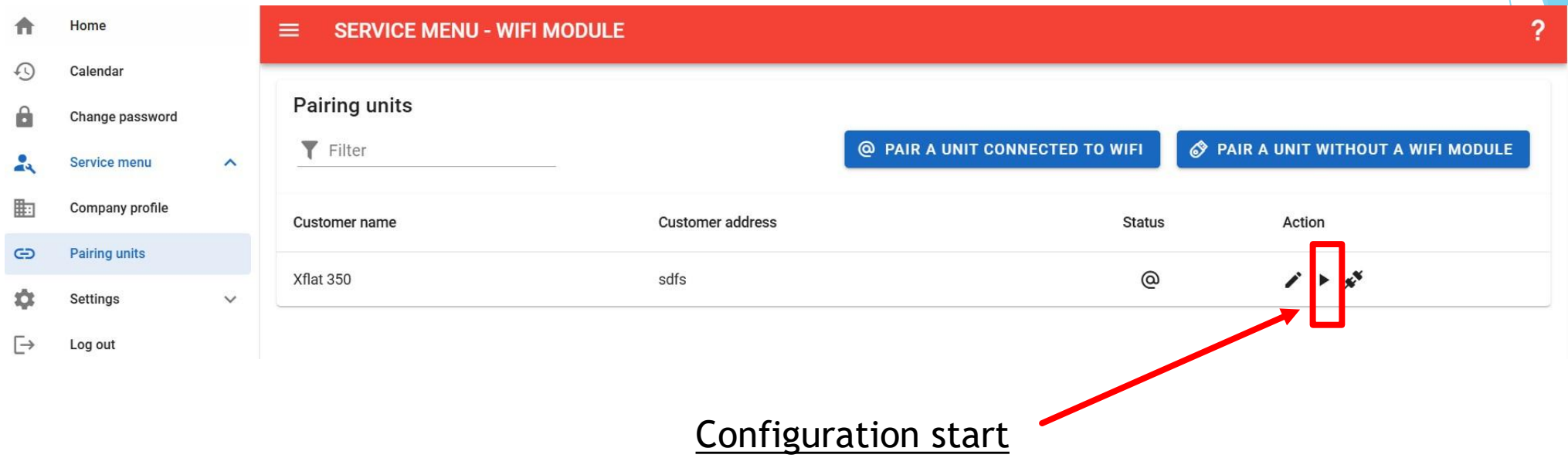


3. WIFI ONLINE

1. (Permit camera access)
2. Scan the QR code on the unit or enter it manually
3. Unit is paired



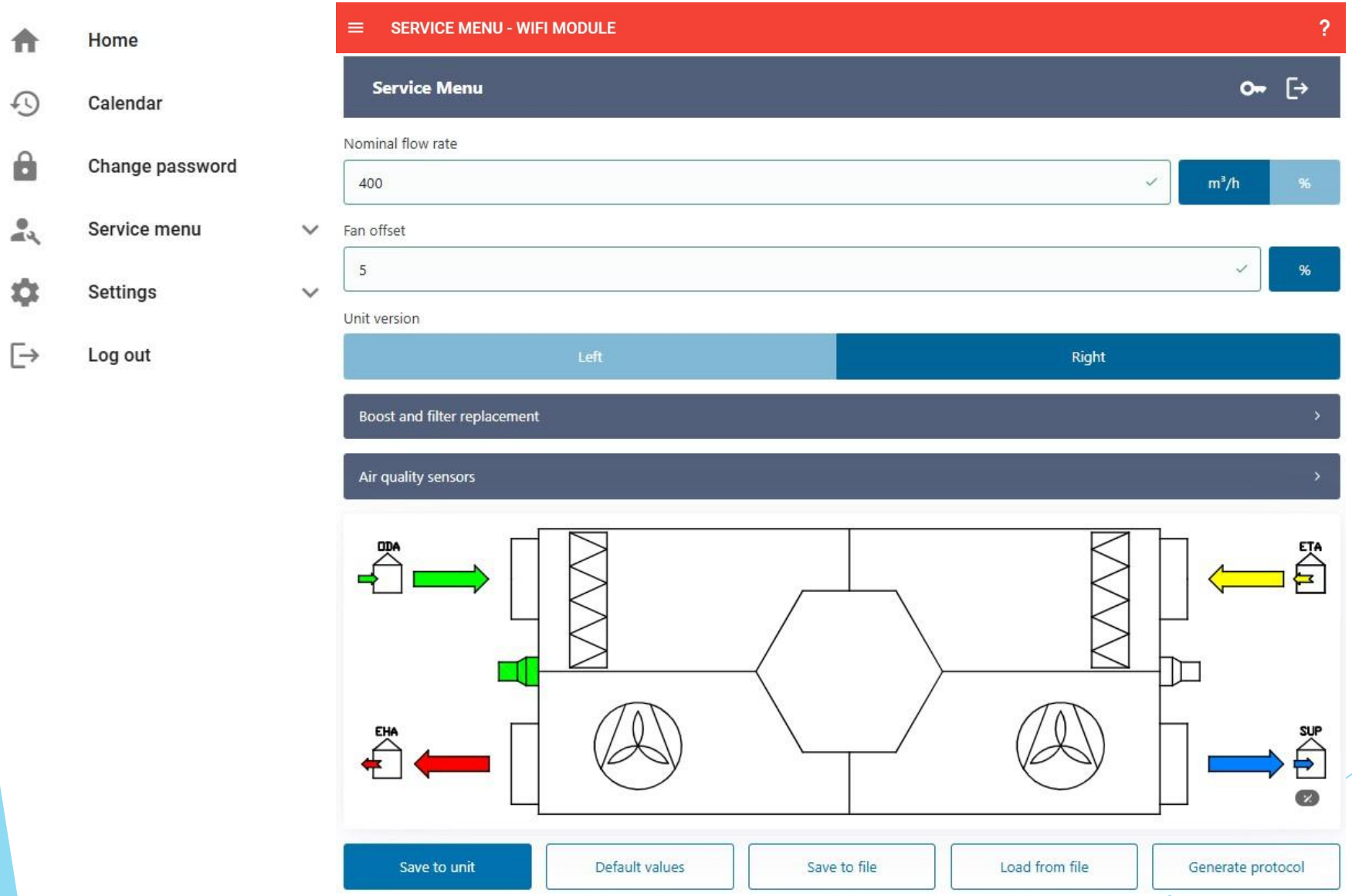
3. WIFI ONLINE



Configuration start

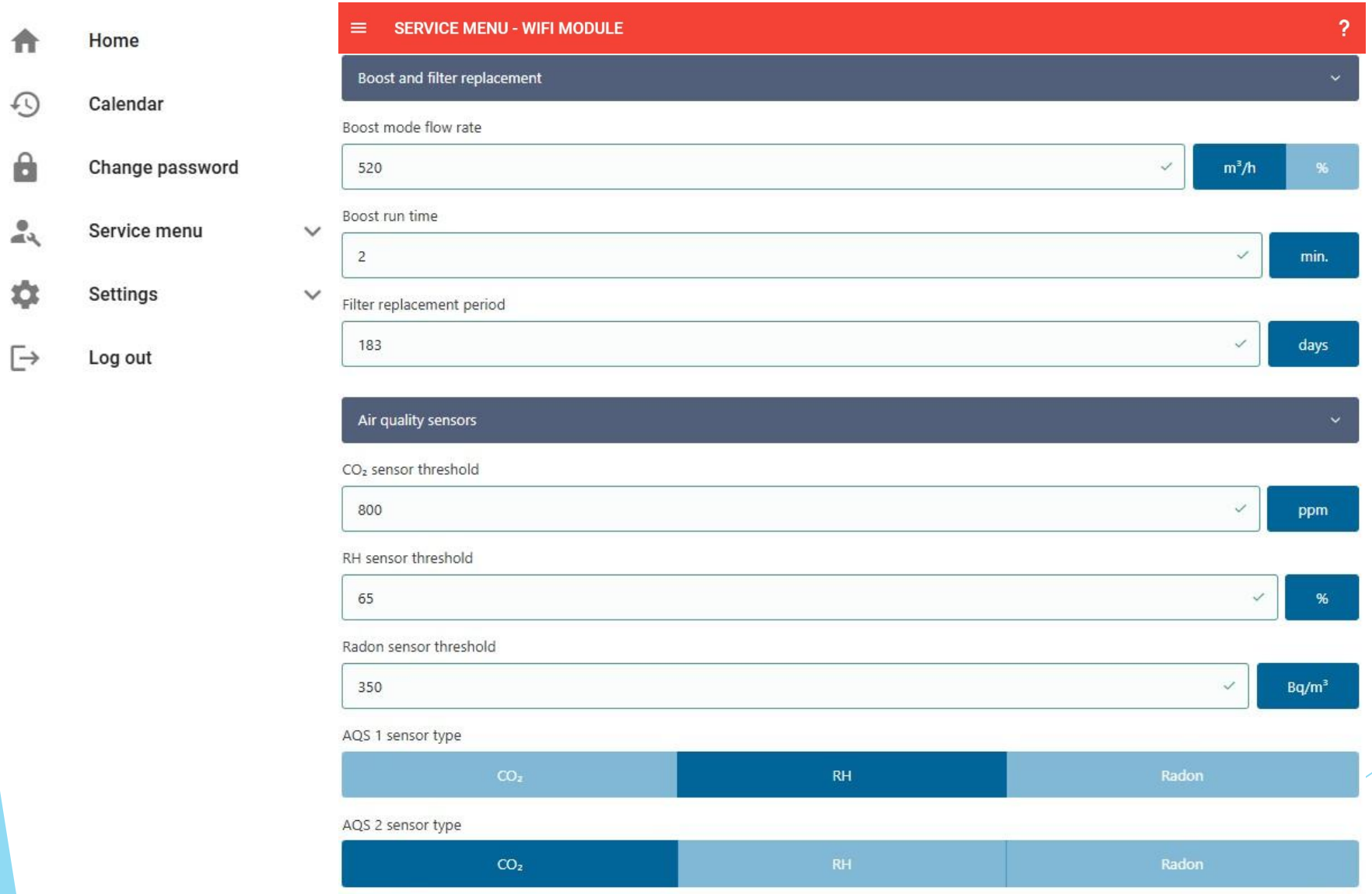
3. WIFI ONLINE

Setting the nominal flow rate, fan offset, right-hand/left-hand version:



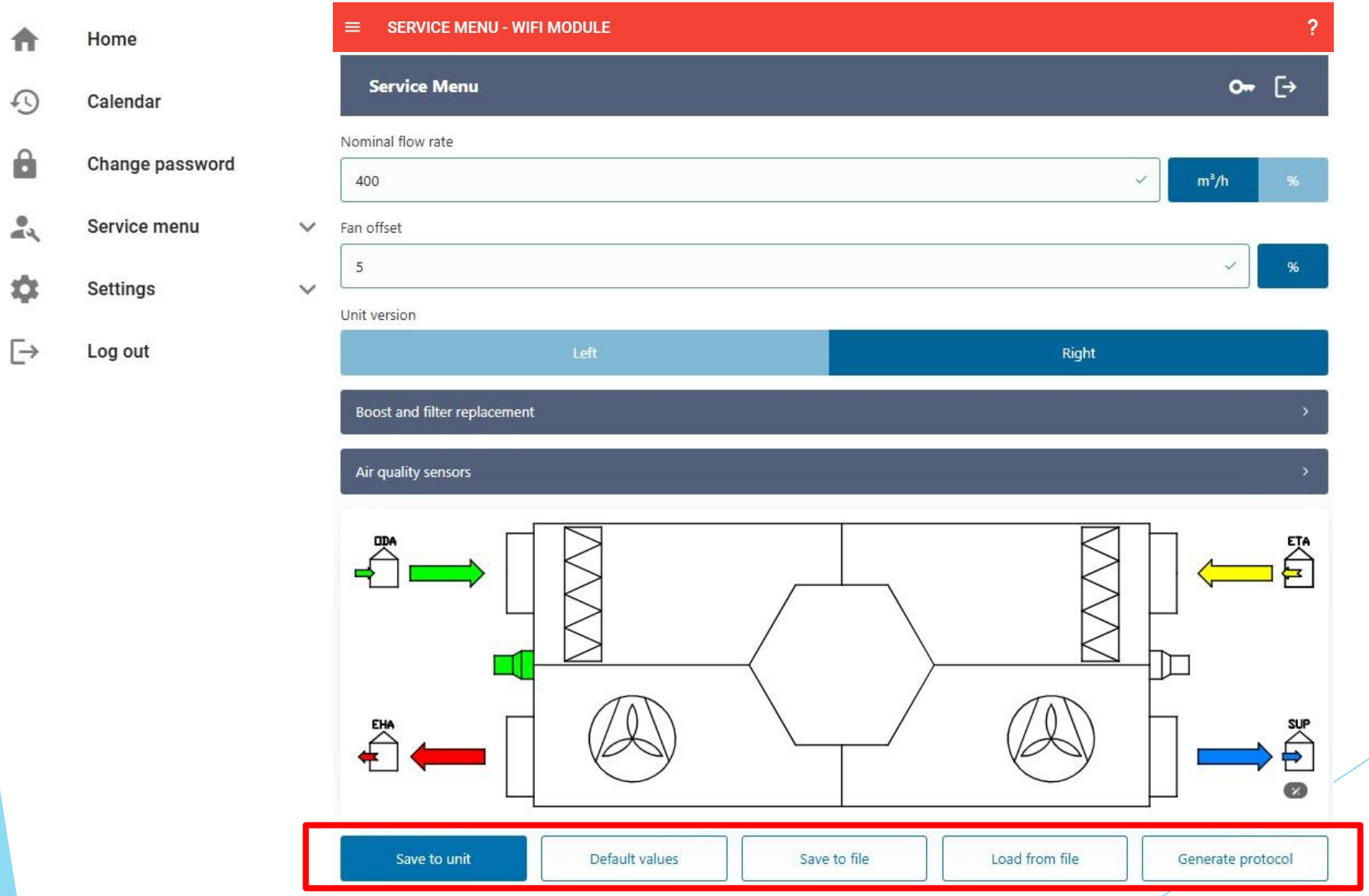
3. WIFI ONLINE

AQS sensor settings:

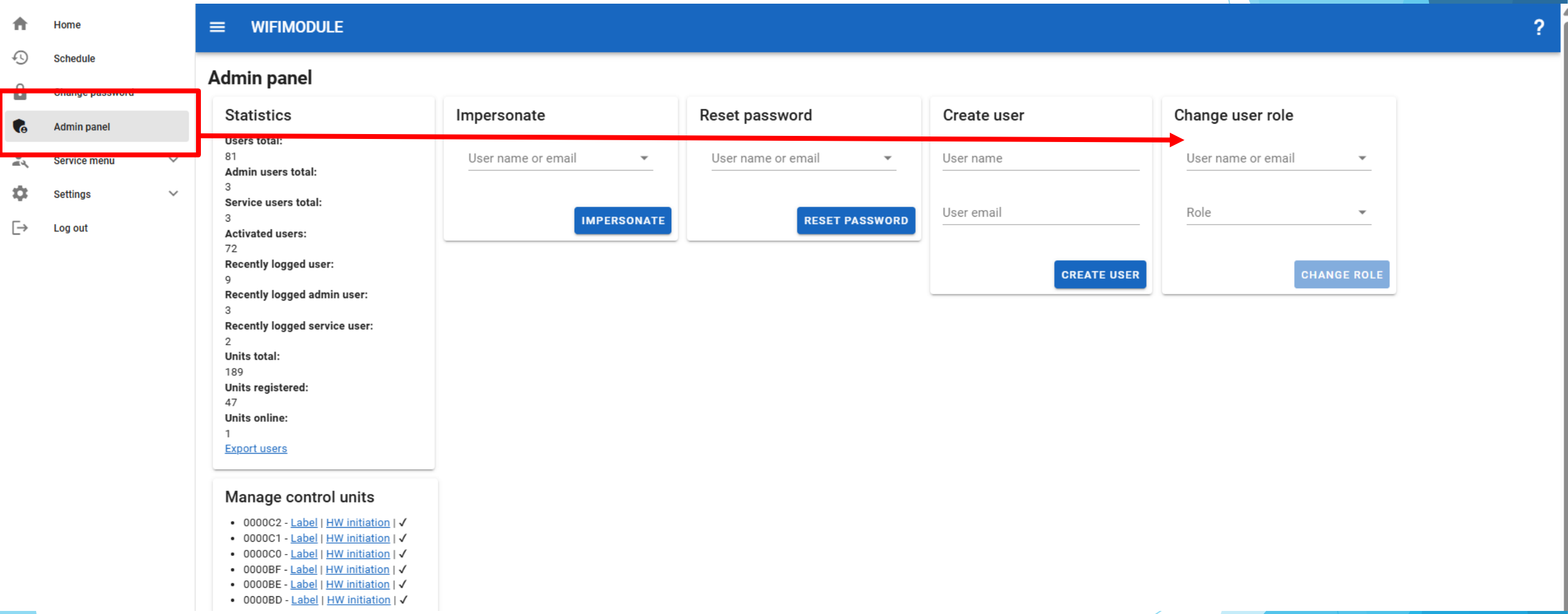


3. WIFI ONLINE

Save to configuration, Generate log, Save configuration file:



3. WIFI ONLINE – ADMIN PANEL



Options for commissioning

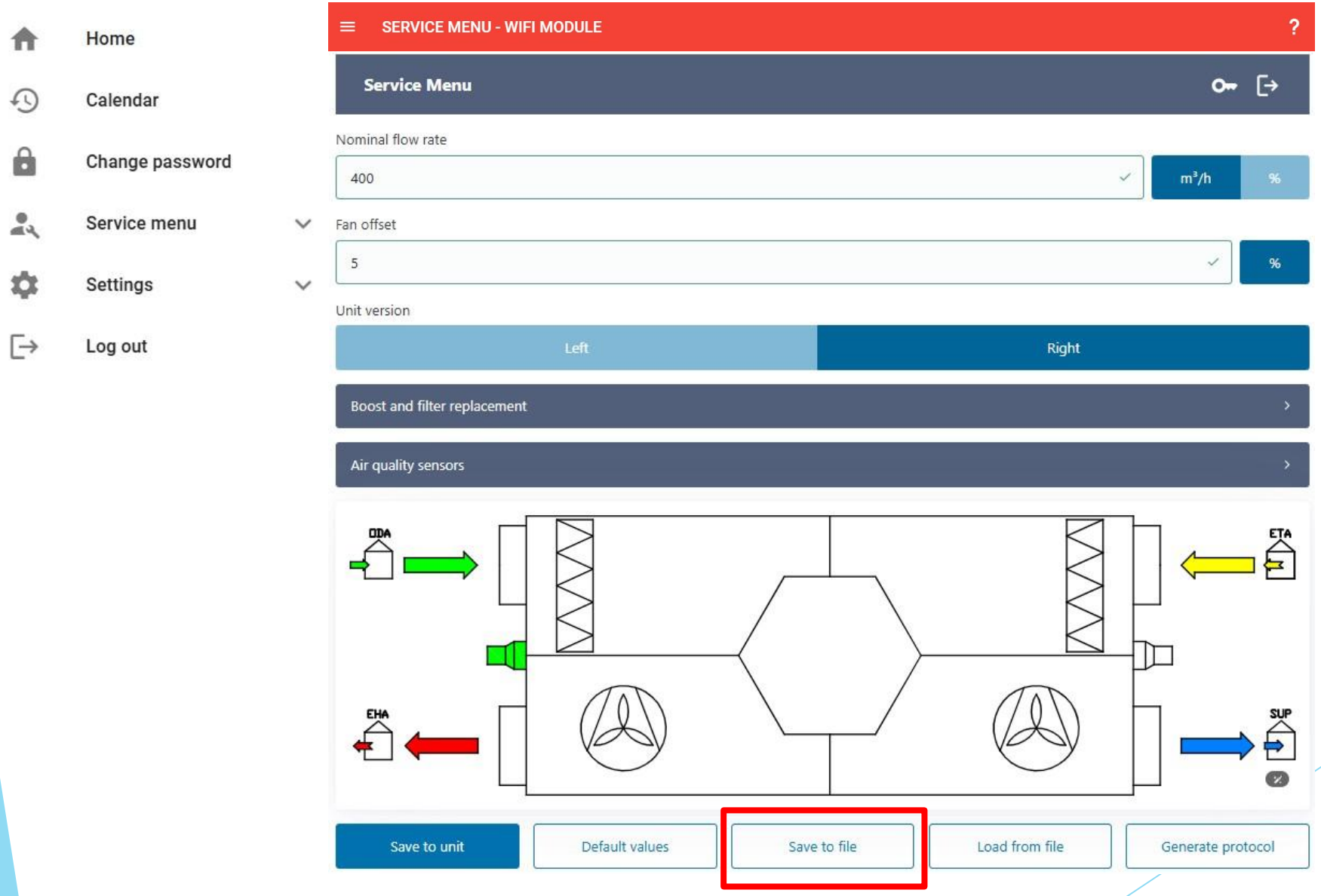
"First start-up of the unit – commissioning"

Possible methods of implementation:

1. **HARDWARE SETTINGS = without WIFI** (limited settings options)
    I. Switchers
    II. Jumper block
    III. Wall-mounted wire controller (accessory)
2. **WIFI OFFLINE** (Settings via PC/smartphone via WIFI network generated by HRU unit)
3. **WIFI ONLINE** (connecting the unit to a local WIFI network with Internet access)
4. **USB drive** (pre-prepared/copied .txt configuration file)

4. USB DRIVE

A configuration file (.txt) is created via WIFI OFFLINE or WIFI ONLINE.

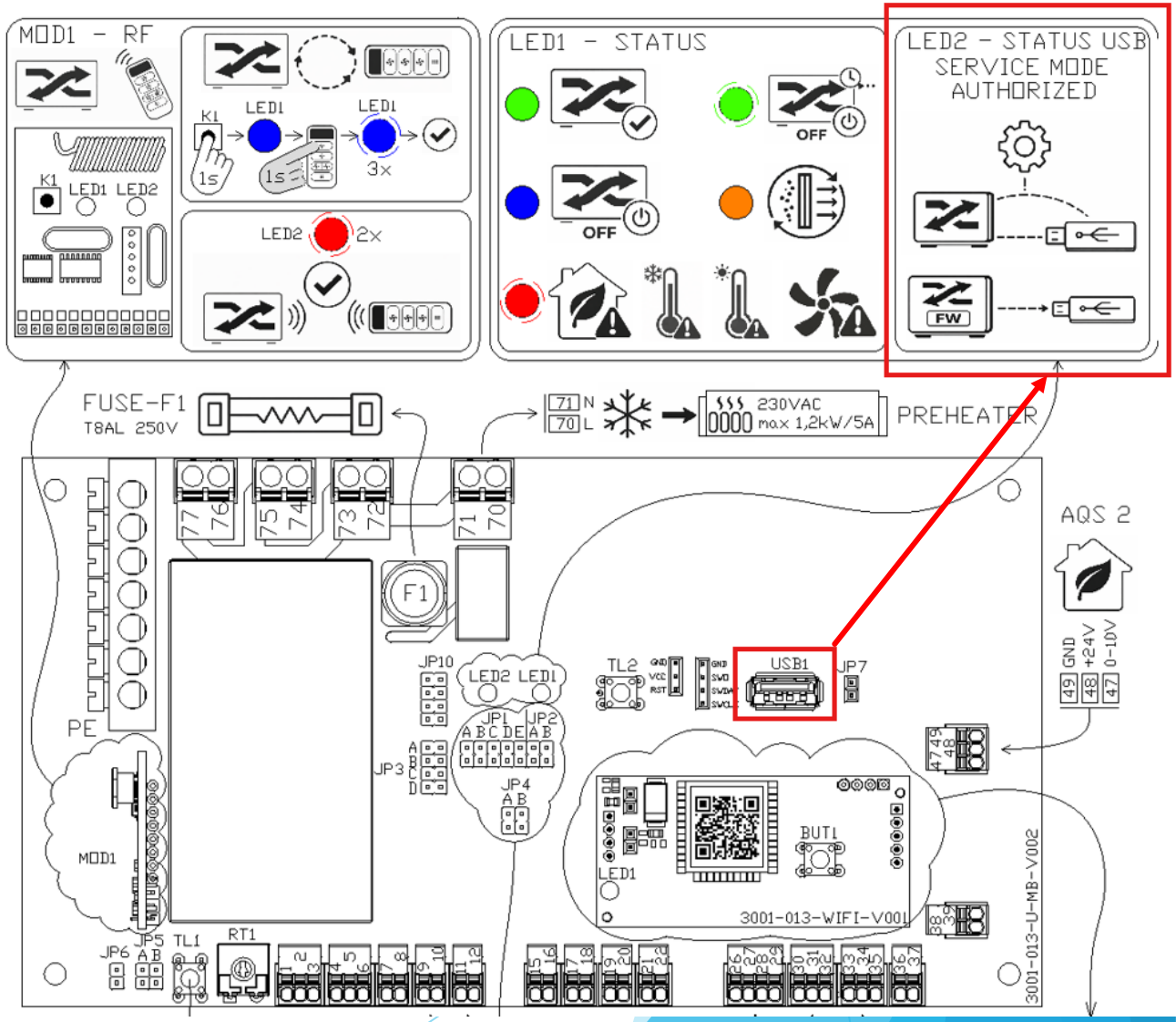


4. USB DRIVE

Procedure:

- The prepared configuration file is saved to a USB drive, which is then inserted into the unit's control system
- The unit will record the configuration data itself

- **<u>The ideal solution for apartment buildings with a large number of units with identical settings</u>**



Important!!!

Setting WIFI ONLINE and WIFI OFFLINE deactivates all hardware settings.

1. **HARDWARE SETTINGS = without WIFI** (limited settings options)
    I. Switchers
    II. Jumper block
    III. Wall-mounted wire controller
2. **WIFI OFFLINE** (Settings via PC/smartphone via WIFI network generated by HRU unit)
3. **WIFI ONLINE** (connecting the unit to a local WIFI network with Internet access)
4. **USB drive** (pre-prepared/copied .txt configuration file)