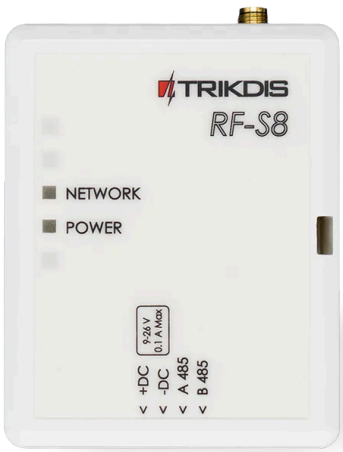
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TRIKDIS Official Distributor

RF-S8 transceiver and S8 detectors – installation and pairing manual

Installation manual for the Trikdis RF-S8 wireless transceiver and pairing of the S8 detectors with the FLEXi SP3 alarm control panel: wiring, the panel firmware, pairing with the Protegus 2 app, on the web interface and in TrikdisConfig, zone settings, deletion, indicators.



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Always up-to-date web version: https://mobilamb.eu/rf-s8-manual

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1. Overview

1.1 What it is for

With the **RF-S8** wireless transceiver (in TrikdisConfig: **RF-S8 transceiver**), the **FLEXi SP3** alarm control panel works with the wireless detectors, sirens and remote controls of the **S8** family. The RF-S8 is compatible with the FLEXi SP3 alarm control panel.

Trikdis RF-S8 wireless receiver

- Radio range in open line of sight: up to 500 m.
- One RF-S8 can be connected to one FLEXi SP3.
- The product comes with a standard antenna that is suitable for most applications.
- The RF-S8 connects to the FLEXi SP3 via the RS485 bus.

1.2 The S8 devices

The S8 devices are members of the 868 MHz S8 radio family; they work with the FLEXi SP3 through the RF-S8 transceiver. Pairing them is described in chapter 4.

Device	Item code	What it is for	Battery, power supply
PIR-Pet-S8	S8-SPI	motion detector: dual-technology (dual-tech) PIR, viewing angle 110°, detection distance 12 m, pet immunity up to 35 kg	2 × CR14505 lithium battery, 3 V (AA size), included
PIR-S8	S8-SCP	curtain motion detector: curtain-type PIR, detection distance 9 m	3 V DC
Magnet-S8	S8-SDS	magnetic opening detector for doors and windows	2 × CR2032 lithium coin cell, 3 V, included
Vibro-S8	S8-SVS	vibration detector	–
Smoke-S8	S8-SSA	smoke detector	1 × CR17450 lithium battery, 3 V, included; lifetime up to 10 years
Flood-S8	S8-SWL	water leak detector: detects leaked water with electrodes, its built-in sounder is louder than 90 dB	2 × AAA battery, 3 V
SOS-S8	S8-SEB	panic button	–
Keyfob-S8	S8-SRC	keyfob remote control	1 × CR2032 lithium coin cell, 3 V, included
Siren-S8	S8-SFM	indoor siren (more than 100 dB at 1 m, adjustable volume) and signal repeater: relays the signal of distant detectors towards the panel; also works as a stand-alone alarm unit	100–240 V AC, plugs directly into a mains socket
Siren-Outdoor-S8	S8-SOS	outdoor siren	built-in 3.7 V, 5200 mAh Li-ion battery with solar charging; approx. 120 days of standby

Device	Item code	What it is for	Battery, power supply
Plug-S8	S8-SSK	smart socket	–

1.3 Technical data

Parameter	Value
Supply voltage	9–26 V DC
Current consumption	up to 50 mA in standby · up to 100 mA briefly, while transmitting
Radio frequency	868 MHz
Transmitter power	25 mW
Range	up to 500 m
Operating environment	−10 °C … +50 °C, relative humidity 80% (at +20 °C), non-condensing
Dimensions	92 × 62 × 25 mm
Weight	80 g

The "up to … m" distances are theoretical maximums achievable under ideal conditions. In practice, the quality and routing of the cable, sources of interference and, for radio links, walls and terrain give a considerably shorter range. Plan with a margin, and on long runs check the connection during commissioning.

1.4 Parts

The connectors and controls of the RF-S8 are on the housing and on the printed circuit board:

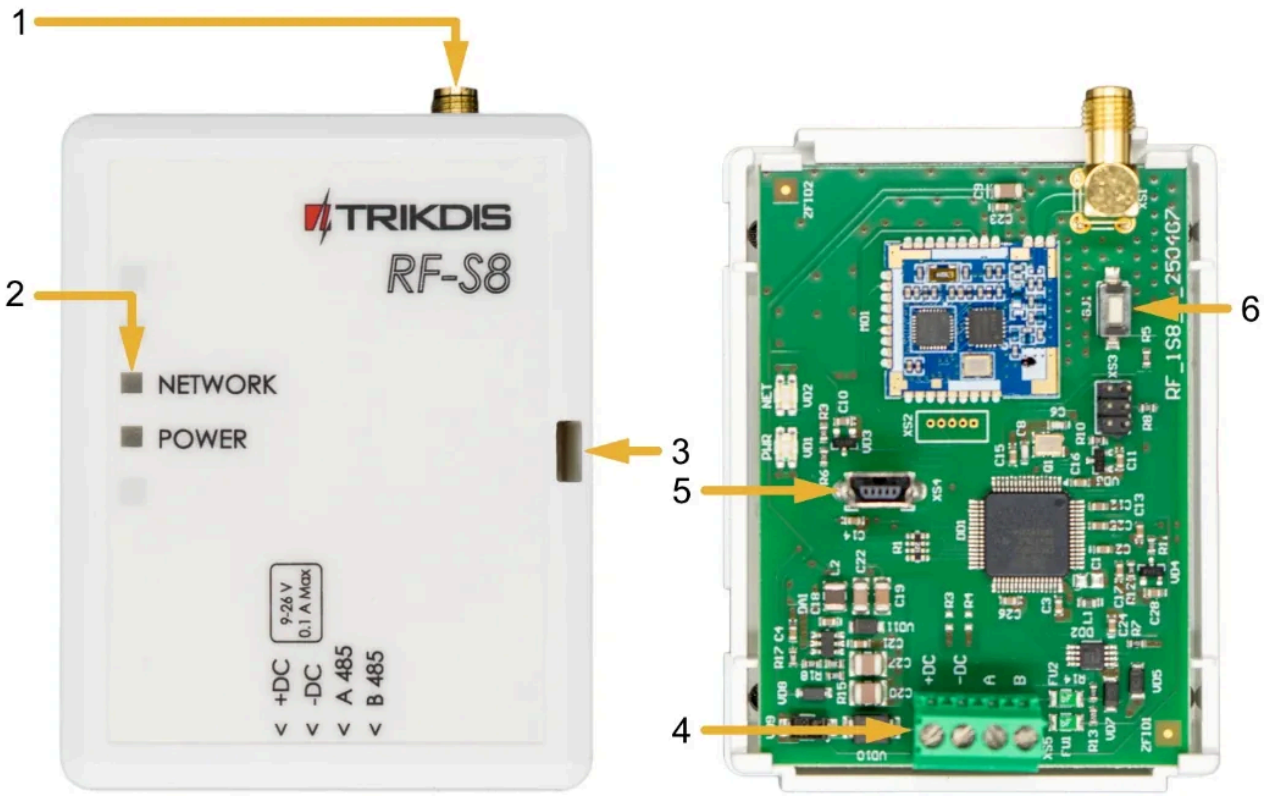


Figure 1. Parts of the RF-S8 – on the left the closed housing, on the right the printed circuit board without the cover. The indicators are labelled "NETWORK" and "POWER" on the housing and "NET" and "PWR" on the board; the terminals are labelled **+DC**, **–DC**, **A 485**, **B 485** on the housing and **+DC**, **–DC**, **A**, **B** on the board.

- 1 SMA connector for the radio antenna
- 2 indicators (**NETWORK**, **POWER**)
- 3 cover opening slot
- 4 terminal block for the external connections
- 5 USB Mini-B connector for updating the firmware
- 6 **LEARN** button – switches the learning (pairing) mode on and off

1.5 Terminals

The terminals for the external connections are on the printed circuit board; their labels are also visible on the front of the housing.

Terminal	Function
+DC	supply voltage (9–26 V DC), positive
–DC	supply voltage (9–26 V DC), negative
A 485	RS485 bus, A
B 485	RS485 bus, B

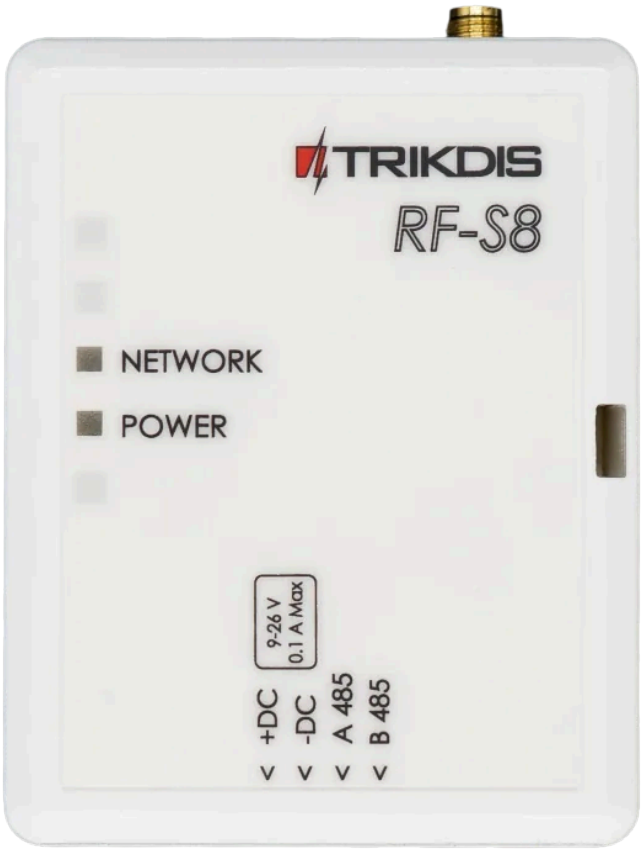


Figure 2. The front of the RF-S8: at the top the "NETWORK" and "POWER" indicators, below them the terminal labels (**+DC**, **–DC**, **A 485**, **B 485**). The marking "9-26 V 0.1 A Max" means: supply voltage 9–26 V, current consumption up to 0.1 A.

1.6 Indicators

Of the two indicators of the RF-S8, **NETWORK** shows the learning (pairing) mode, and **POWER** shows the supply voltage and the RS485 connection.

Indicator	State	Meaning
NETWORK	flashes green and red	learning mode: detector pairing in progress
NETWORK	lights green for 5 seconds	in learning mode: a detector has been paired
POWER	off	no supply voltage
POWER	flashes green	normal supply voltage, normal operation
POWER	flashes yellow	low supply voltage (11.5 V or less)
POWER	lights yellow	no RS485 connection with the FLEXi SP3

On the board, the two indicators are labelled **NET** and **PWR**. Do not confuse them with the FLEXi SP3's indicators of the same name (**NET**, **PWR**): those are described in section 1.6 of the "FLEXi" SP3 alarm control panel – installation and programming manual.

2. Connecting to the FLEXi SP3

Figyelem!

Tilos a vezetékezést feszültség alatt álló eszközön elvégezni. A munka előtt a megfelelő áramtalanításról és érintésvédelemről (beleértve a szünetmentes működést biztosító akkumulátorokat) gondoskodni kell.

Connect the RF-S8 to the RS485 bus of the FLEXi SP3; it also takes its power from the panel's AUX output:

FLEXi SP3	RF-S8
AUX+ (+12 V)	**+DC**
AUX–	**–DC**
485 A	**A 485**
485 B	**B 485**

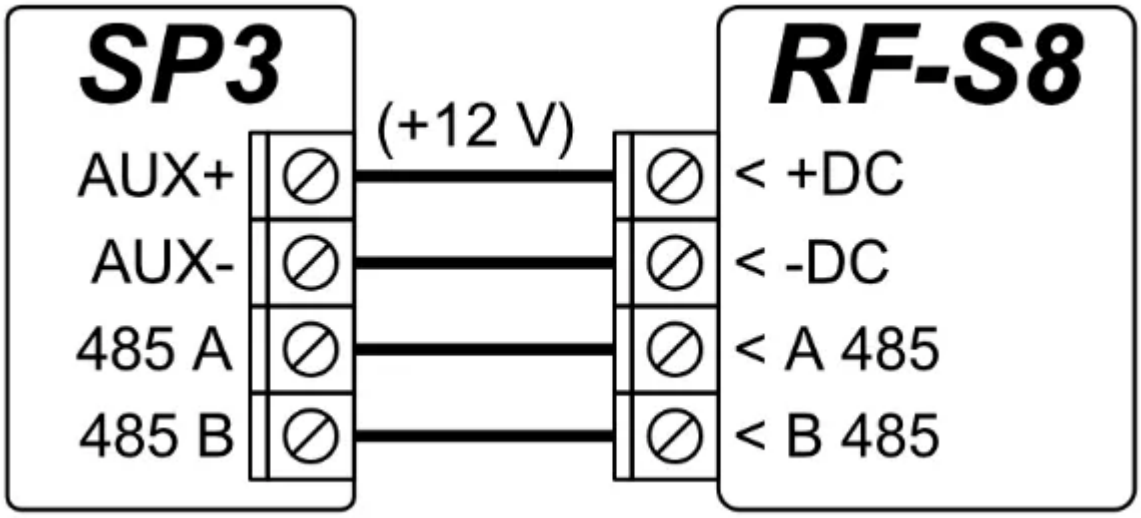


Figure 3. Connecting the RF-S8 to the FLEXi SP3: **AUX+** (+12 V) → **+DC**, **AUX–** → **–DC**, **485 A** → **A 485**, **485 B** → **B 485**.

- One RF-S8 can be connected to one FLEXi SP3.
- The RS485 bus can be up to 100 m long, and up to 8 devices can be connected to the bus.
- The current consumption of the RF-S8 is up to 100 mA. When sizing the backup battery, include the current consumption of the modules connected to the panel – the current calculation is described in section 2.1 of the "FLEXi" SP3 alarm control panel – installation and programming manual.
- The S8 devices only work with the panel's firmware with receiver code 4, version 1.22 or newer (**SP3_xxx4_0122.fw**). Changing the firmware and registering the RF-S8 are described in chapter 3.

3. The panel firmware

For the S8 devices, the FLEXi SP3 needs the firmware with receiver code 4, version 1.22 or newer (**SP3_xxx4_0122.fw**). Load the latest version: in November 2026 this is 1.27, with improved communication. When changing the firmware, the RF-S8 must be connected to the panel (chapter 2).

Which file to choose?

The firmware file name has the form **SP3_yxxz_NNNN.fw**. The digit **y** is the hardware version of the panel: only the file belonging to its own version can be loaded. The digit **z** is the type of wireless receiver, **4** for the RF-S8. **NNNN** is the version (0122 = 1.22). With the receiver code 4 firmware, the panel handles 64 zones, the RF-S8 (S8 devices) and the RF-LORA (MAXIMUM M4 devices) as wireless receivers, and the FLEXi and Paradox keypads as keypads. The list of modules that can be used with it is in section 1.7 of the "FLEXi" SP3 alarm control panel – installation and programming manual, and the rules for choosing are described in the article FLEXi SP3 firmware: how to choose the right one?.

3.1 Changing the firmware

Az összes Trikdis eszköz egy közös szoftverrel programozható. A program neve TrikdisConfig és a gyártó honlapjáról letölthető.

TrikdisConfig Letöltés a trikdis.com oldalról.

Letöltést követően telepítsd a programot. Ha bármikor a TrikdisConfig indításakor a program azt jelzi, hogy új verzió jelent meg, töltsd le az ajánlott frissítést és telepítsd!

1. Connect the RF-S8 and the FLEXi SP3 according to the wiring diagram in chapter 2.
2. Switch on the power supply of the FLEXi SP3.
3. Start TrikdisConfig.
4. Connect the FLEXi SP3 to the computer with a USB Mini-B cable.
5. Open the **Firmware** window of TrikdisConfig.

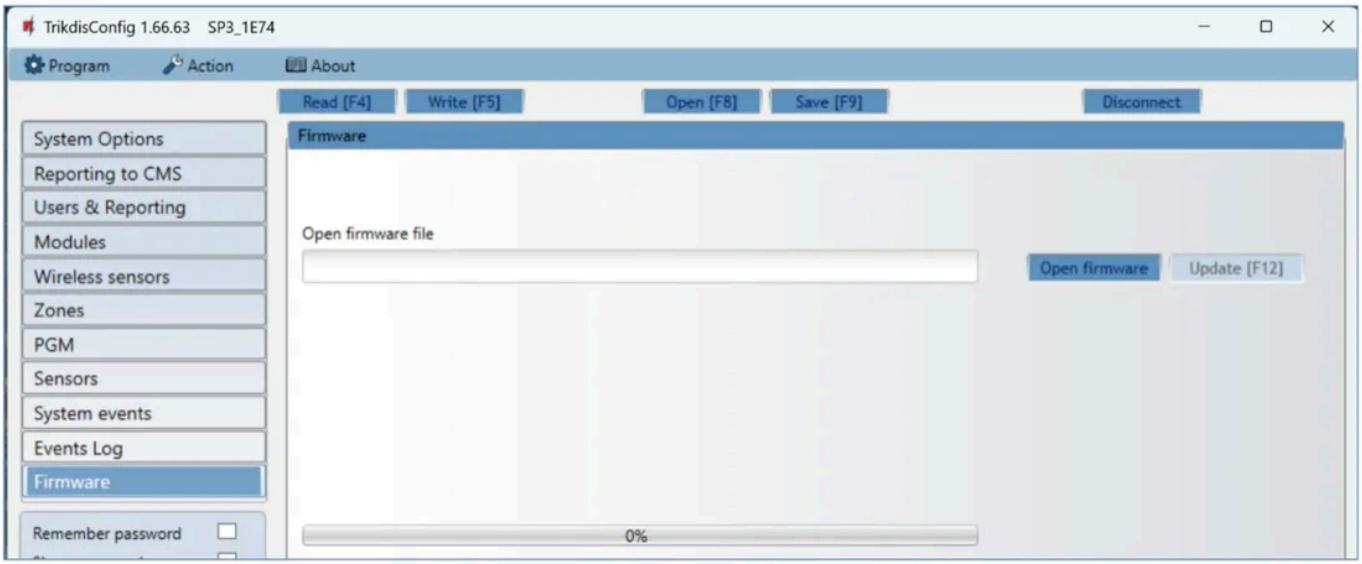


Figure 4. The **Firmware** window of TrikdisConfig: the **Open firmware file** field (the opened firmware file) is still empty, the **Open firmware** button can be used, the **Update [F12]** button not yet, and the progress bar is at 0%. On the left, the list of the panel's settings windows.

6. Click the **Open firmware** button and select the latest SP3_xxx4 firmware file (at least **SP3_xxx4_0122.fw**, the one for your panel's hardware version).
7. Click the **Update [F12]** button.
8. Wait until the update has finished.
9. Unplug the USB Mini-B cable.
10. Wait 1 minute.
11. Plug the USB Mini-B cable back into the FLEXi SP3.
12. In the TrikdisConfig status bar, the panel name (**Device**) must contain the digit 4.



Figure 5. The TrikdisConfig status bar: in the **Device** field, the last, framed digit **4** of the panel name shows that the receiver code 4 firmware is running.

3.2 Registering the RF-S8

After the firmware has been changed, the panel has to recognise the RF-S8. Leave the USB cable plugged in and continue as follows:

1. Open the **RS485 modules** tab of the **Modules** window. The list must show the **RF-S8 transceiver** row with the serial number (**Serial No.**) and the firmware version (**Firmware version**). If you see the firmware version of the RF-S8, you can skip steps 2–10.

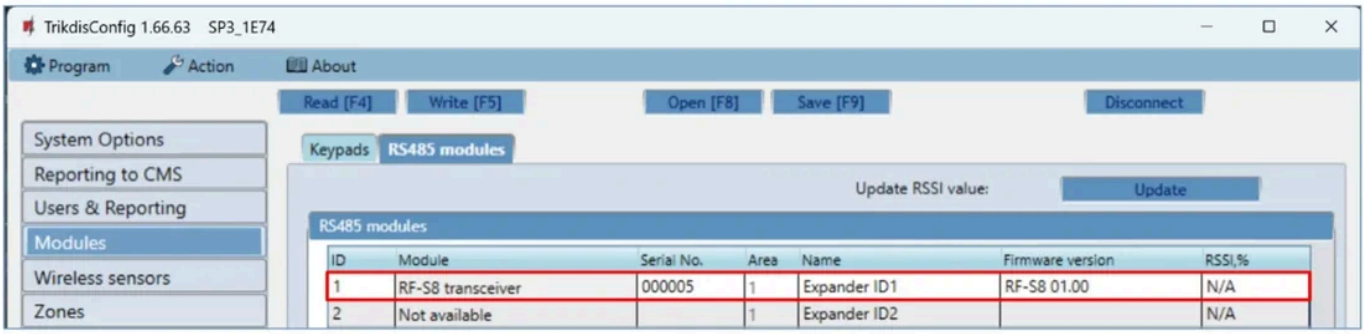


Figure 6. Modules → RS485 modules: in row 1 the **RF-S8 transceiver** with the **Serial No.** field filled in, **Area 1**, the name (**Name**) **Expander ID1** and the firmware version **RF-S8 01.00**; the **RSSI** (signal strength) column shows **N/A** (no data).

2. If the list does not show the **RF-S8 transceiver** row, select the **RF-S8 transceiver** item from the list.
3. Enter the serial number of the RF-S8 in the **Serial No.** field. You can find it on the device and on the sticker on the packaging.

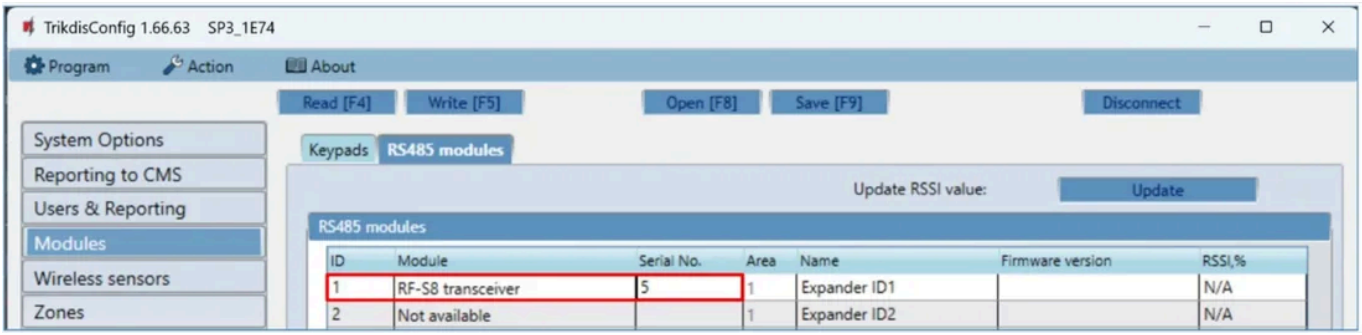


Figure 7. The framed **Serial No.** field in the **RF-S8 transceiver** row: this is where you enter the serial number of the RF-S8.

4. Click the **Write [F5]** button.
5. Unplug the USB Mini-B cable.
6. Wait 1 minute while the FLEXi SP3 and the RF-S8 connect.
7. Plug the USB Mini-B cable back into the FLEXi SP3.
8. Click the **Read [F4]** button.
9. The firmware version of the RF-S8 appears in the **Modules** window, as in the figure for step 1.
10. The RF-S8 is now connected to the FLEXi SP3.
11. Unplug the USB Mini-B cable.
12. Click the **Disconnect** button.

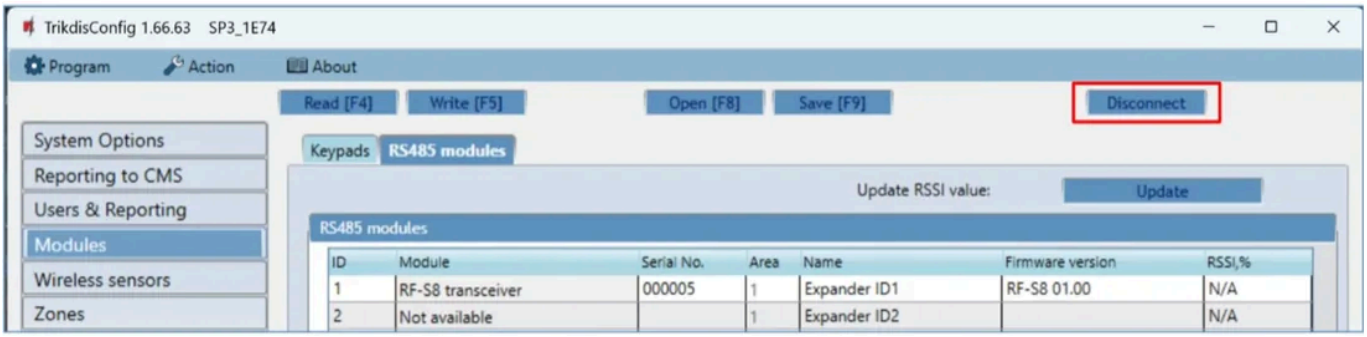


Figure 8. With the framed **Disconnect** button you end the TrikdisConfig connection with the panel.

13. Wait 1 minute.

Warning

While the device is connected to a computer via USB cable, it is in programming mode: its normal operation stops, it does not monitor, does not report, cannot be controlled, is powered from USB, and restarts once the cable is unplugged. Therefore the device must not be freely accessible: keep it in a closed metal enclosure with tamper protection or with a motion detector covering the enclosure. More in the FAQ

4. Pairing the detectors

You can pair the S8 devices – motion detectors, door and window opening detectors, smoke detectors, sirens, remote controls – with the FLEXi SP3 in four ways: with the **Protegus 2** app (4.2), on the **web.protegus.app** web interface (4.3), remotely over the network with TrikdisConfig (4.4), or locally with the **LEARN** button of the RF-S8, without a network (4.5).

Every method requires that:

- the FLEXi SP3 runs the firmware with receiver code 4, version 1.22 or newer (**SP3_xxx4_0122.fw**, chapter 3);
- the RF-S8 is connected to the RS485 bus of the FLEXi SP3 (chapter 2) and registered in the **Modules** window of TrikdisConfig (3.2).

4.1 Preparation

Before pairing with any method, prepare the detectors:

1. If the detector has previously been paired with any panel, first delete its pairing: press and hold its learning button for 5 seconds, and release it when its indicator flashes green three times. This deletes the detector's pairing. It is worth doing this for every detector before registration.
2. Insert the batteries into all the detectors to be paired (motion detector, opening detector, water leak detector, smoke detector, siren). The power supply of the two sirens is described in the table in section 1.2.
3. During pairing, the RF-S8 should be at least 1 m away from the detectors.

You can also pair all the detectors in one go.

Pairing and deletion

- You can pair the detectors with the panel, and you can also delete their pairing.

- Delete a detector's pairing only when the panel is not in detector learning mode. Do not pair or delete a detector while the panel is in learning mode because of another operation.
- If you accidentally delete a detector's pairing, the detector will not work with the panel until you pair it again.

4.2 Pairing with the Protegus 2 app

The **Protegus 2** app must be installed on your phone, and the FLEXi SP3 system must be added to your account (see section 5.1 of the "FLEXi" SP3 alarm control panel – installation and programming manual).



1. Open the Protegus 2 app and select the FLEXi SP3 system (in the pictures: **SP3 kit**). Tap the ⋮ (three dots) button in the top right corner.

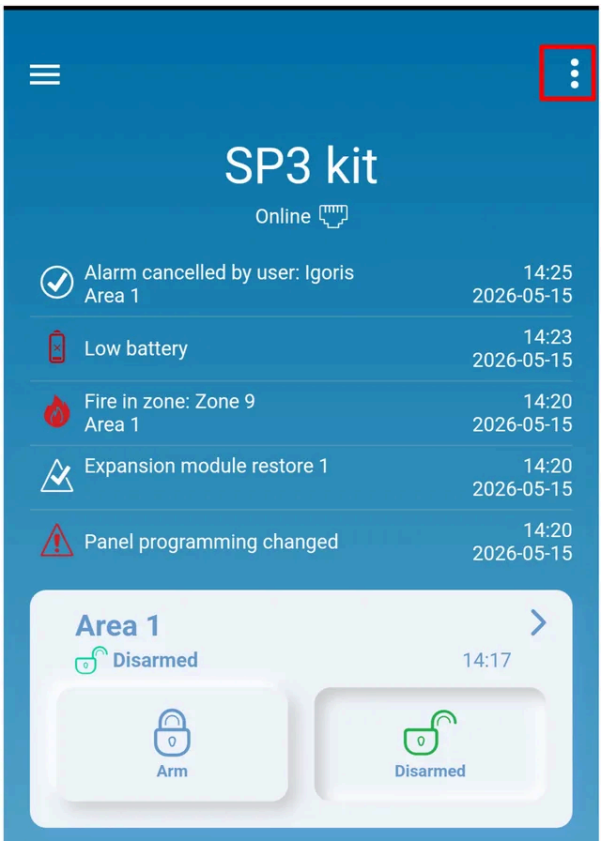


Figure 9. The home screen of the system: at the top the system name (**SP3 kit**) and the **Online** status, below it the list of events and the **Area 1** tile in the **Disarmed** state; at the top right the framed ⋮ button.

2. Tap **System configuration**.

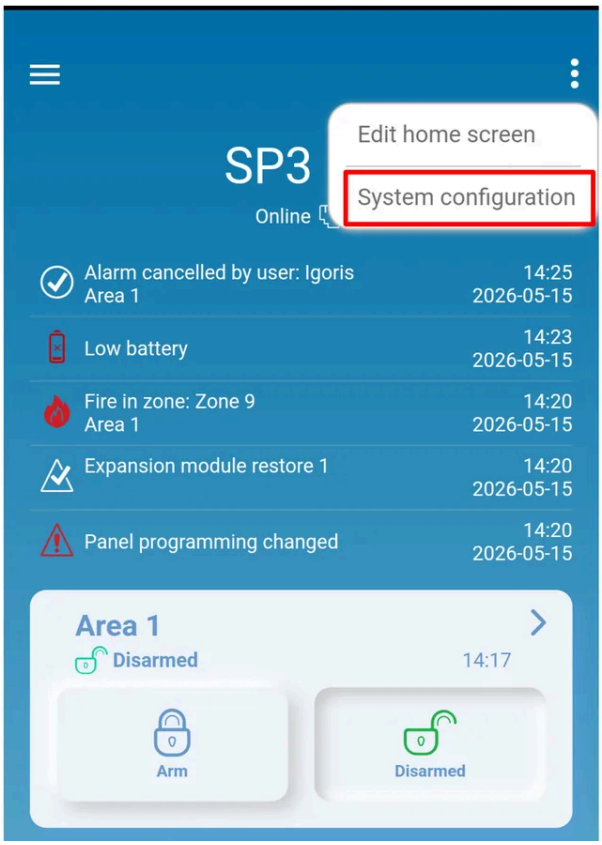


Figure 10. The menu of the ⋮ button: **Edit home screen** and the framed **System configuration**.

3. Tap **Devices**.

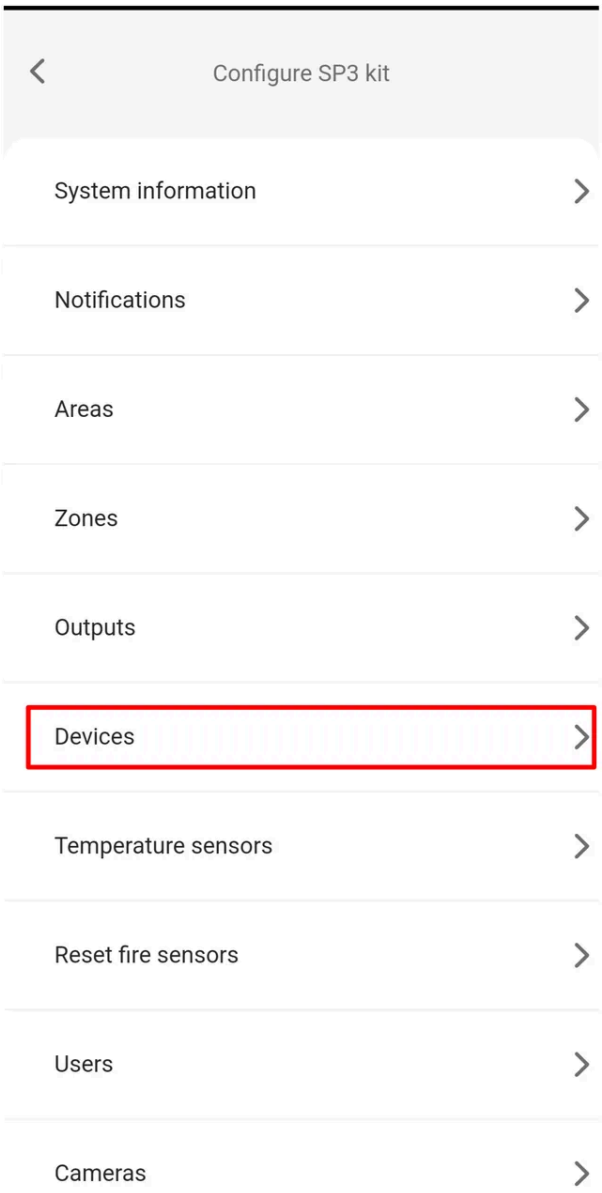


Figure 11. The **Configure SP3 kit** menu (system settings): **System information**, **Notifications**, **Areas**, **Zones**, **Outputs**, the framed **Devices**, **Temperature sensors**, **Reset fire sensors**, **Users**, **Cameras**.

4. To add a new detector, tap the **+** button.

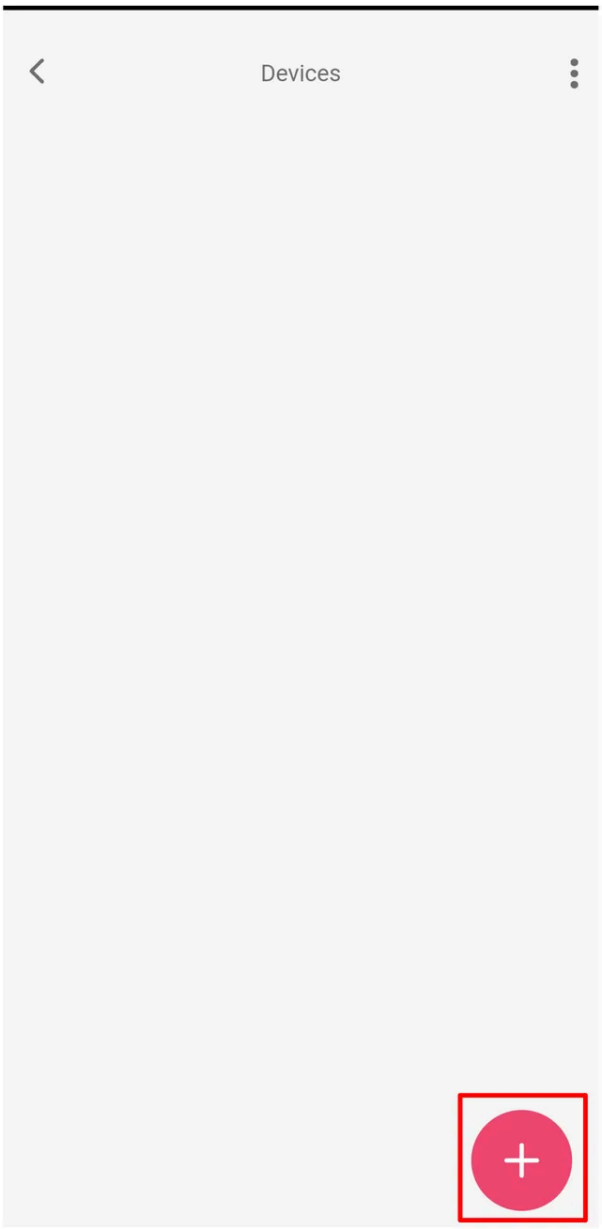


Figure 12. The empty **Devices** page; at the bottom right the framed **+** button.

5. Select the type of the detector to be paired (for example **Smart PET PIR detector** – pet-immune PIR motion detector).

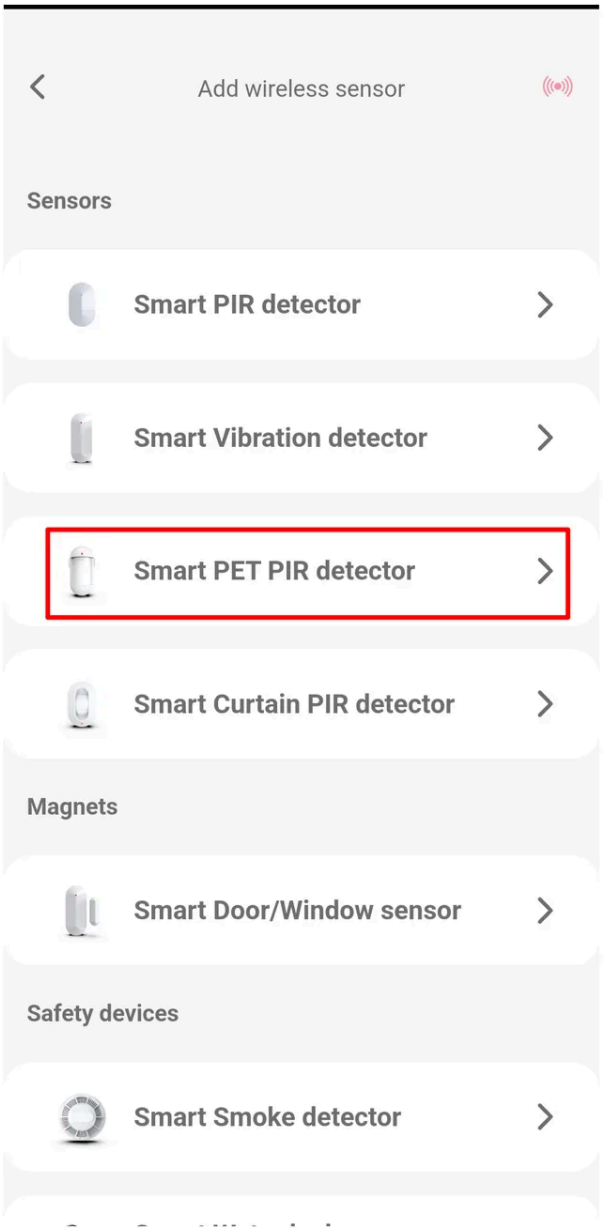


Figure 13. The **Add wireless sensor** list. **Sensors**: **Smart PIR detector** (PIR motion detector), **Smart Vibration detector** (vibration detector), the framed **Smart PET PIR detector** (pet-immune PIR motion detector), **Smart Curtain PIR detector** (curtain PIR motion detector); **Magnets** (magnetic detectors): **Smart Door/Window sensor** (door/window opening detector); **Safety devices**: **Smart Smoke detector** (smoke detector).

6. In learning mode, the app shows the detector with a drawing marking the position of the learning button. Press and hold the detector's learning button until its green indicator lights steadily for 2 seconds.



Figure 14. The learning mode (**Learning...**) screen. The text: "Press the networking key according to the prompt until the accessory green light lasts for 2 seconds." – press the pairing button until the device's green light stays on for 2 seconds. The red arrow points to the learning button on the circuit board of the **Smart PET PIR detector**; at the bottom the **Cancel** button.

7. When the app finds the detector, it shows a confirmation with the detector's serial number. Tap **OK**.

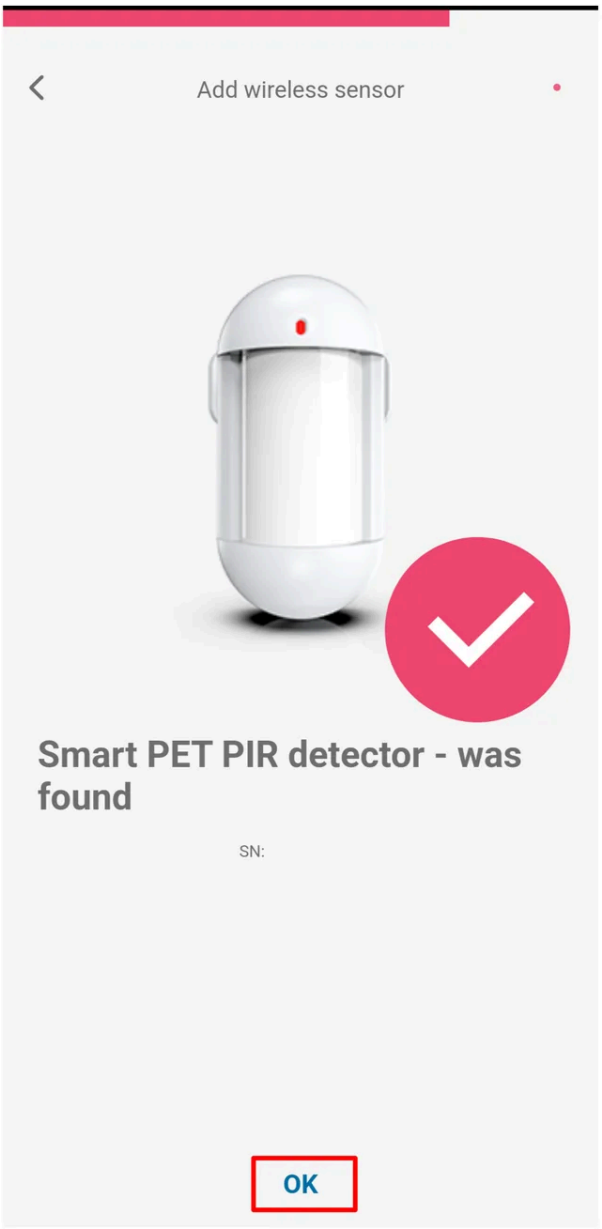


Figure 15. "Smart PET PIR detector - was found" – the detector has been found, below it its serial number; the framed **OK** button.

8. The detector appears in the list with the **NEW** label. Tap it to open its settings.

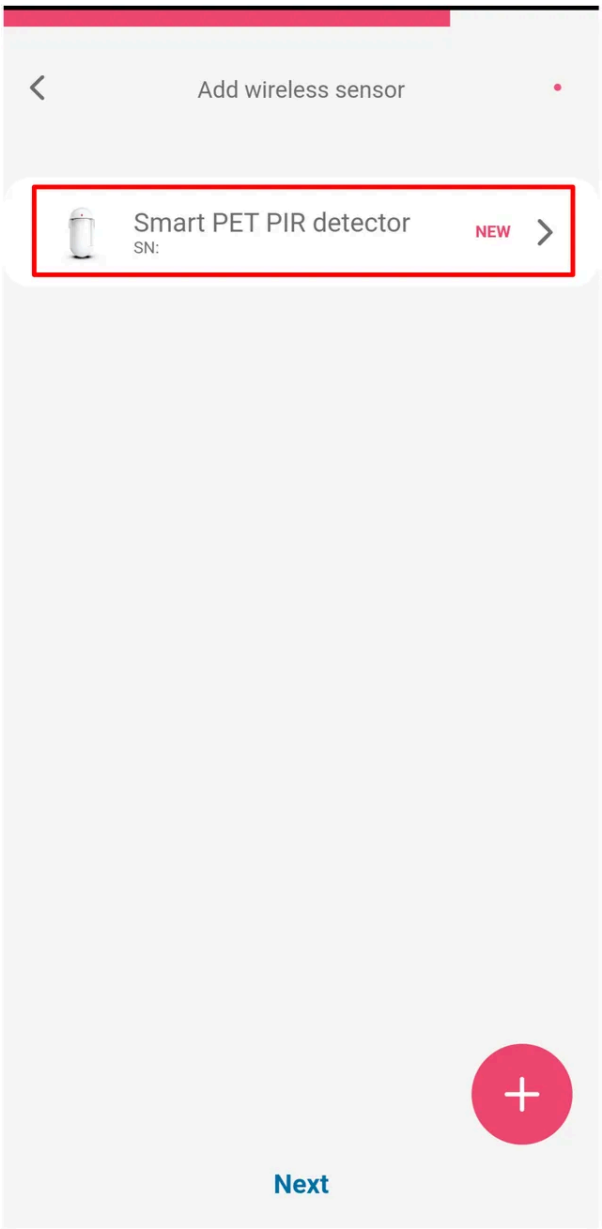


Figure 16. The paired detector in the **Devices** list, with the framed **NEW** label; at the bottom the **+** and the **Next** button.

Zone settings:

9. Tap the **Zone settings** section to expand it.

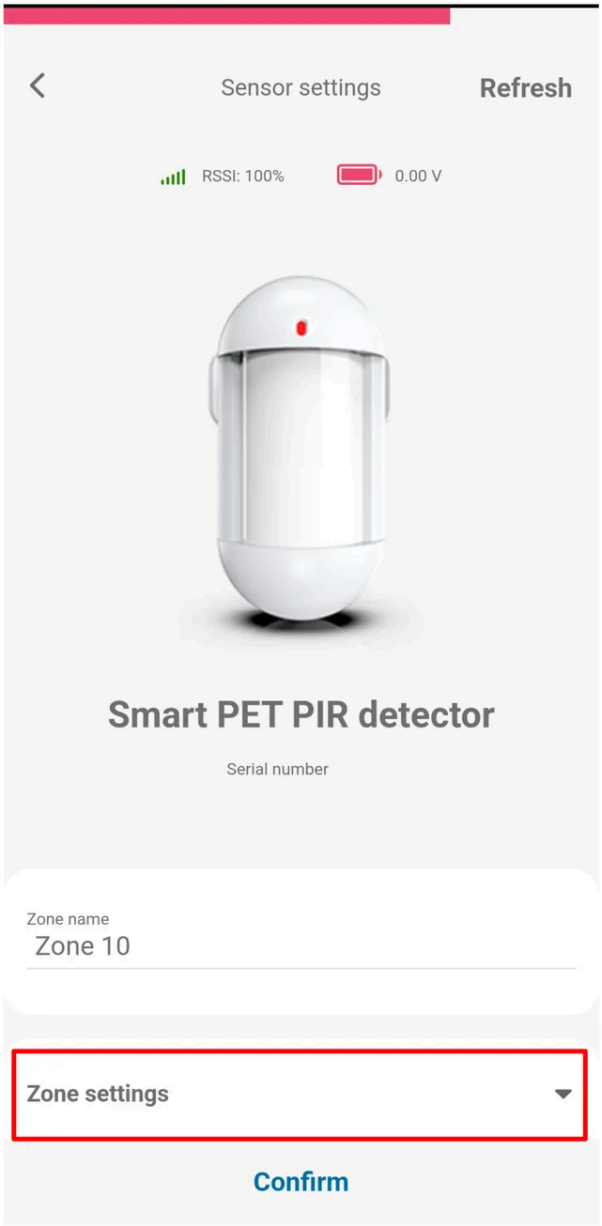


Figure 17. The **Sensor settings** page: **Refresh**, signal strength (**RSSI**), battery voltage, serial number, the zone name (**Zone name**, here **Zone 10**), the framed **Zone settings** section and the **Confirm** button.

10. Set the zone definition (**Definition**, for example **24 hours** – 24-hour zone) and type (**Type**, for example **NO** – normally open), then tap **Confirm**.

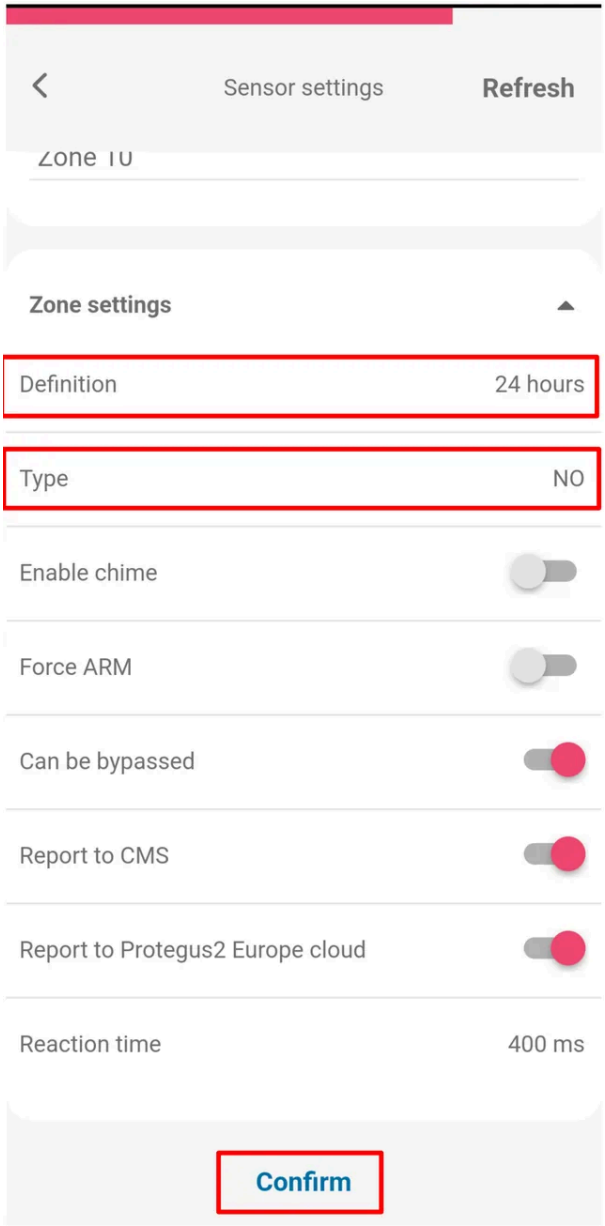


Figure 18. The expanded **Zone settings** section: the framed **Definition** (here **24 hours**) and **Type** (here **NO**), **Enable chime**, **Force ARM**, **Can be bypassed**, **Report to CMS** (reporting to the monitoring station), **Report to Protegus2 Europe cloud** (reporting to the Protegus cloud), **Reaction time** (here 400 ms); at the bottom the framed **Confirm** button.

11. To add another detector, tap the **+** button and repeat steps 5–10. When you have paired all the detectors, tap **Next**.

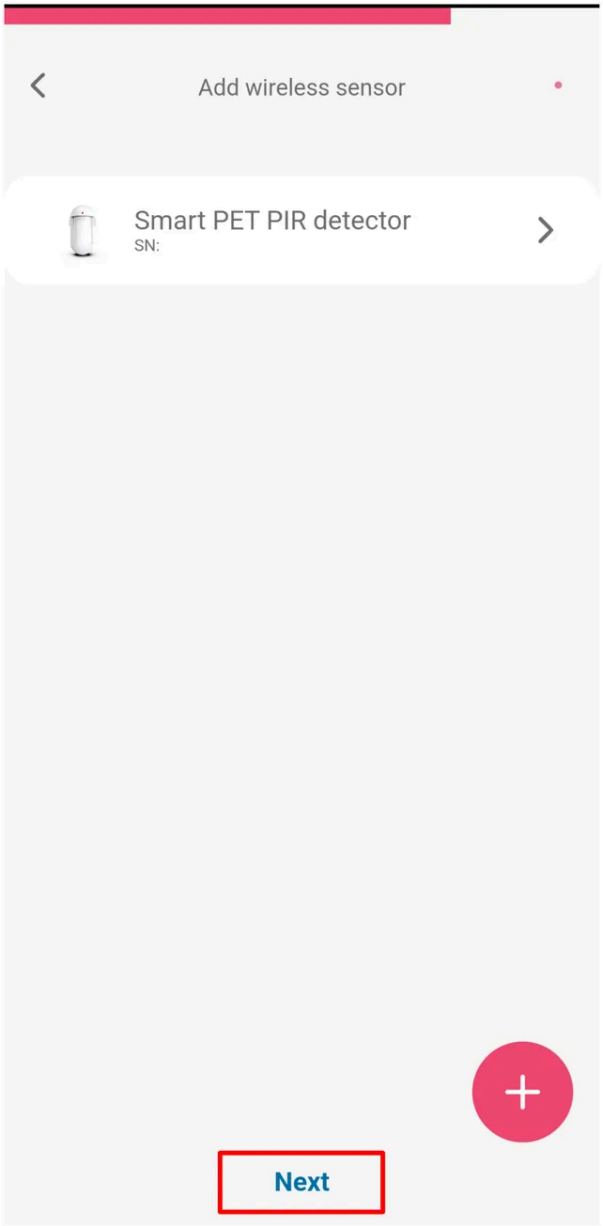


Figure 19. The paired detector in the list; with the framed **Next** button you finish pairing.

12. A confirmation window shows that pairing was successful. Tap **Close**.

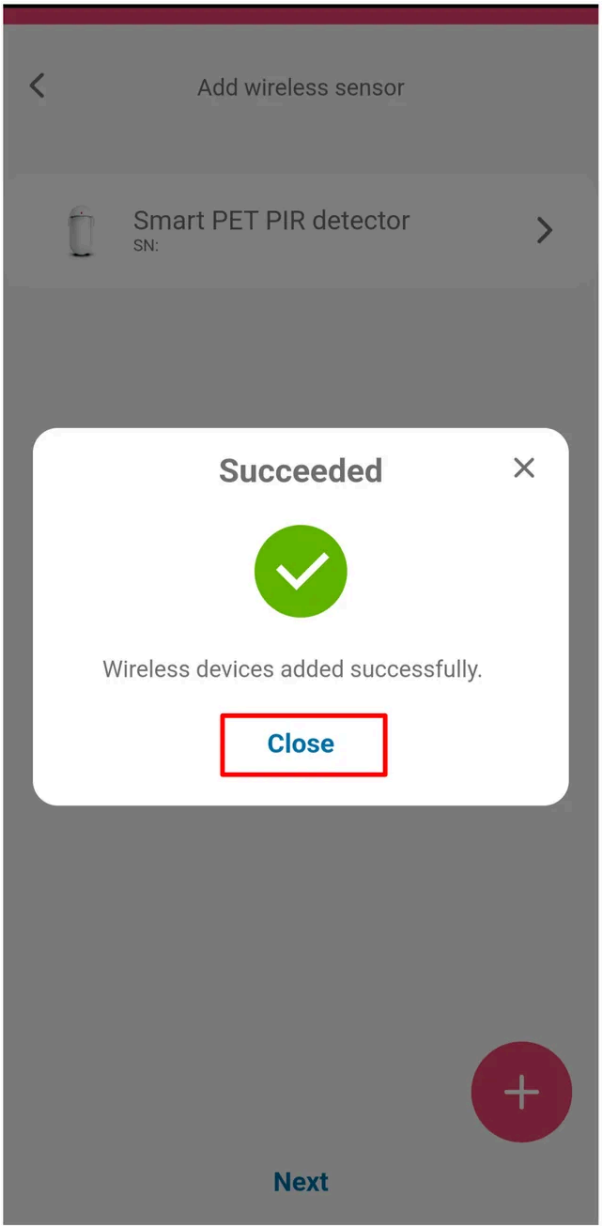


Figure 20. Succeeded – "Wireless devices added successfully.": the wireless devices have been added; the framed **Close** button.

4.2.1 Zone states in the app

You can check the state of the paired detectors from the home screen of the system:

1. On the home screen of the system, tap the **Area 1** tile.

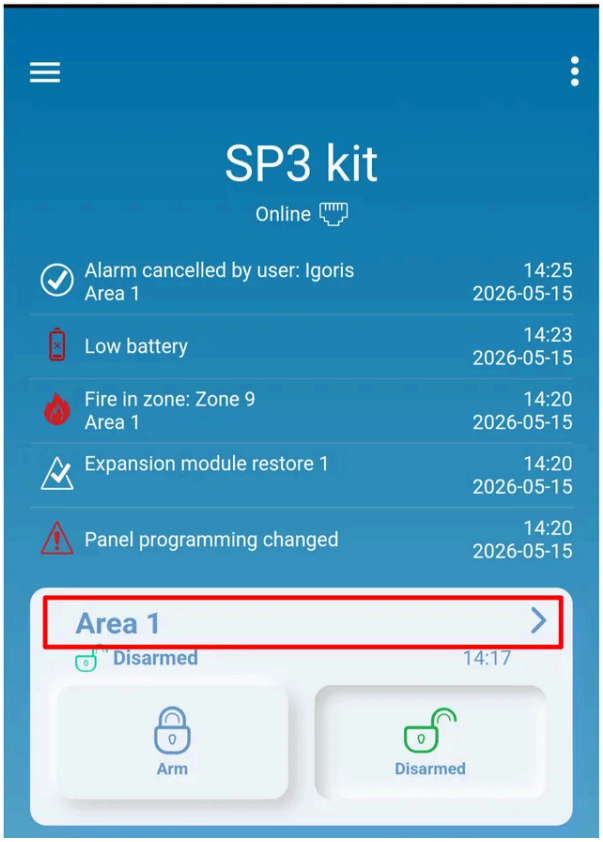


Figure 21. The home screen of the system: the framed **Area 1** tile.

2. Tap the **Zone statuses** button.

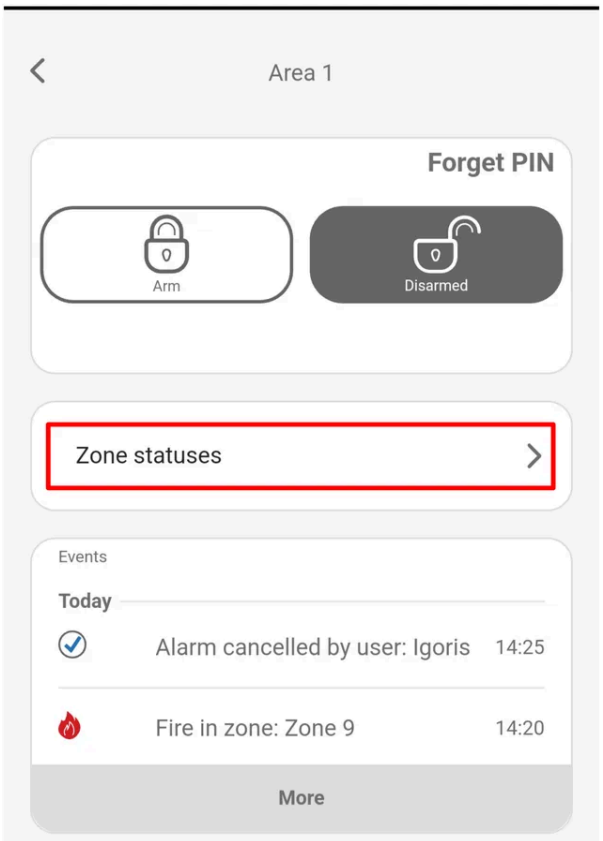


Figure 22. The **Area 1** page: the framed **Zone statuses** button, below it the events (**Events**).

3. The **Zone status / bypass** screen shows all zones. The red warning icon indicates that the detector is currently open or in alarm. With the bypass switches you can temporarily bypass individual zones.

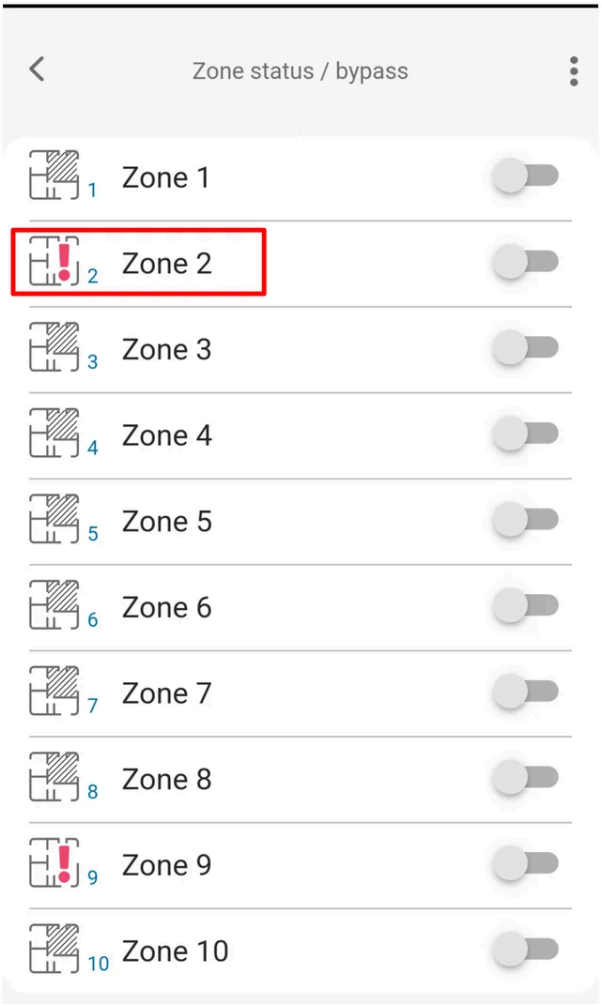


Figure 23. The **Zone status / bypass** screen with the list of zones and the bypass switches; next to the framed **Zone 2** the red warning icon: the detector is open or in alarm.

4.3 Pairing on the web.protegus.app interface

Open web.protegus.app in a browser on a computer. The FLEXi SP3 system must be added to your account.

1. In the left panel, select the FLEXi SP3 system, then click **Devices** in the system menu.

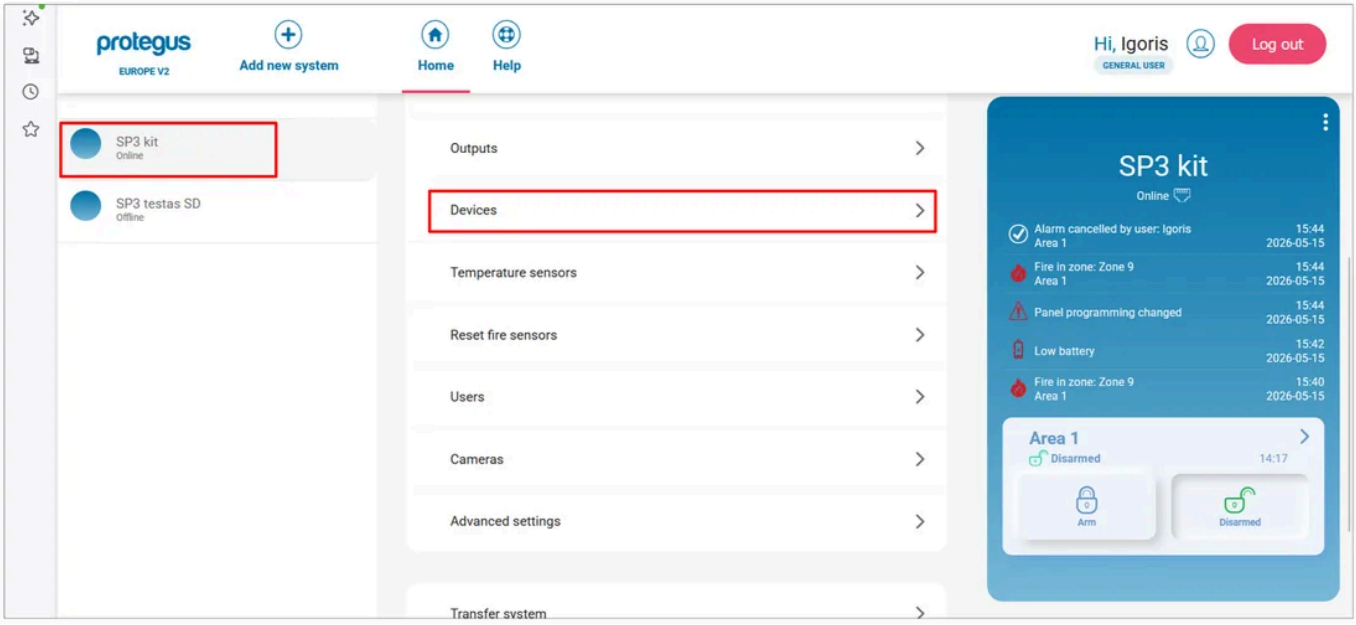


Figure 24. The web interface: on the left, in the list of systems, the framed **SP3 kit**, below it the system menu: **Outputs**, the framed **Devices**, **Temperature sensors**, **Reset fire sensors**, **Users**, **Cameras**, **Advanced settings**, **Transfer system**; on the right the system events and the **Area 1** tile.

2. To add a new wireless detector, click the **+** button.

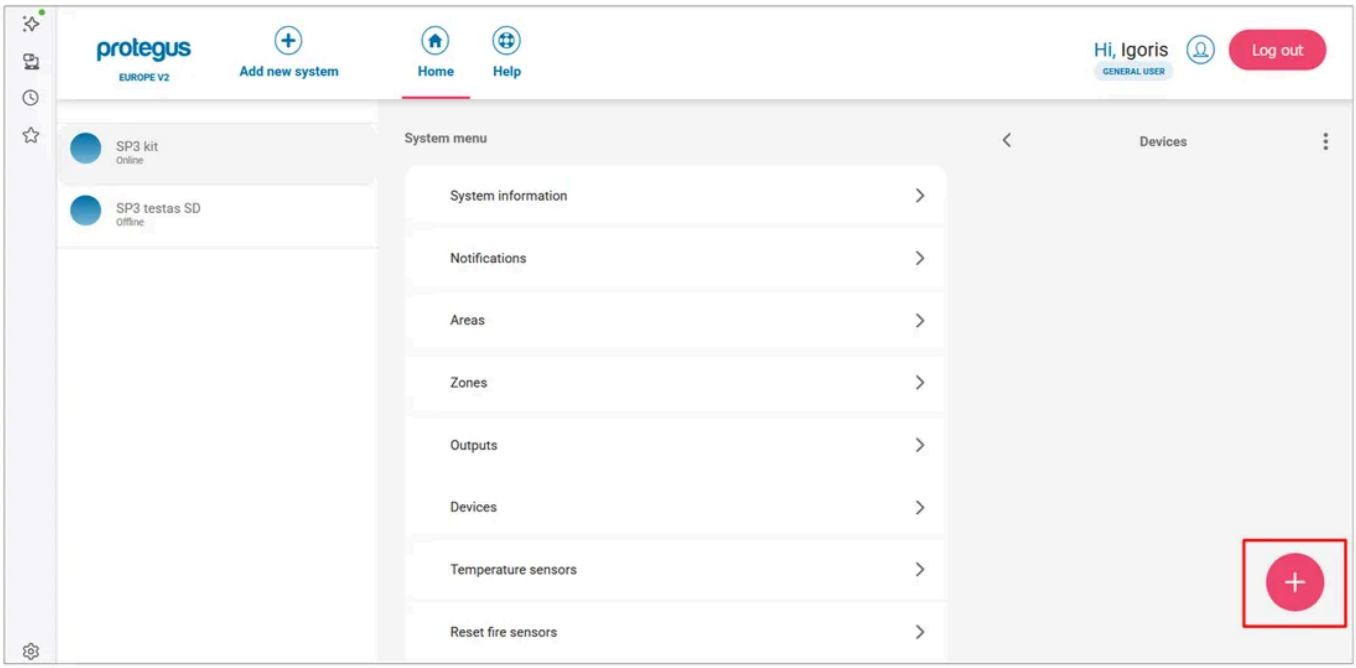


Figure 25. The **Devices** panel; at the bottom right the framed **+** button.

3. The **Add wireless sensor** panel opens with the supported detector types. Click the type of the detector to be paired (for example **Smart PET PIR detector**).

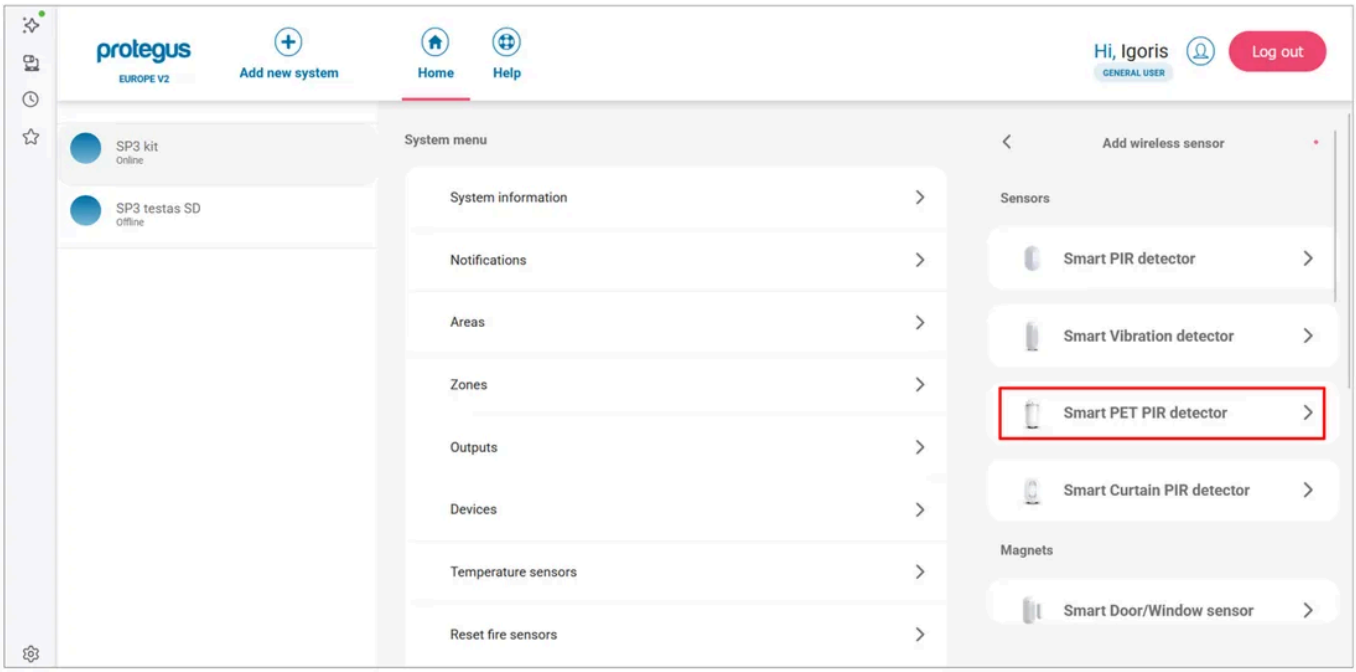


Figure 26. The **Add wireless sensor** panel. **Sensors**: **Smart PIR detector** (PIR motion detector), **Smart Vibration detector** (vibration detector), the framed **Smart PET PIR detector** (pet-immune PIR motion detector), **Smart Curtain PIR detector** (curtain PIR motion detector); **Magnets** (magnetic detectors): **Smart Door/Window sensor** (door/window opening detector).

4. The interface switches to learning mode and shows the position of the detector's learning button in a drawing. Press and hold the learning button until the green indicator lights steadily for 2 seconds (this takes about 4–5 seconds).

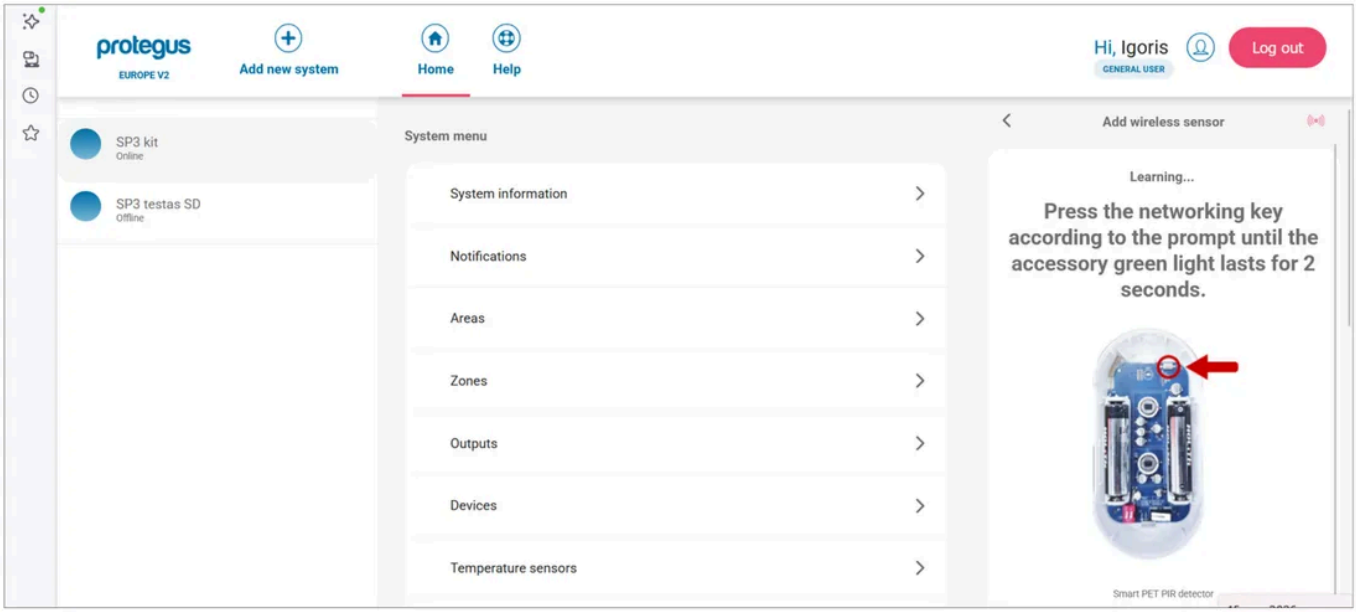


Figure 27. The learning mode (**Learning...**) on the web interface, with the same text as in the app (press the pairing button until the device's green light stays on for 2 seconds); the red arrow shows the position of the learning button.

5. When the panel finds the detector, a confirmation with the detector's serial number appears. Click **OK**.

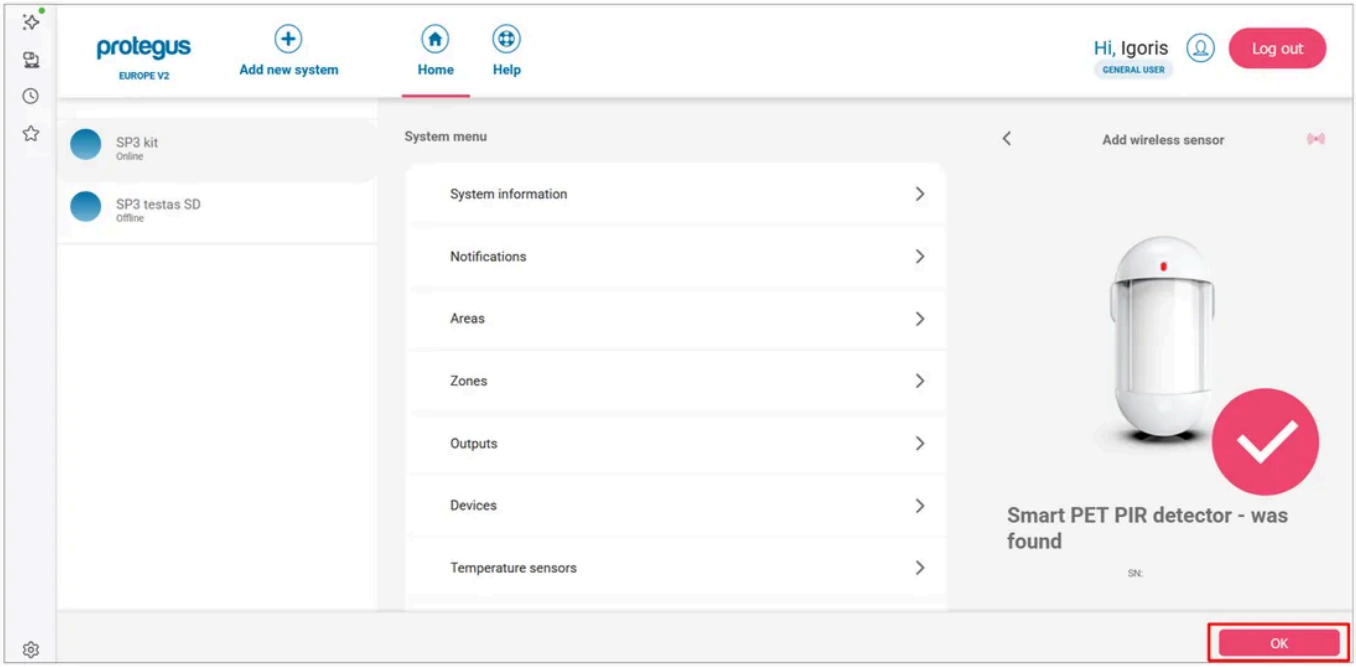


Figure 28. "Smart PET PIR detector - was found" – the panel has found the detector, below it its serial number; at the bottom right the framed **OK** button.

6. The detector appears in the list with the **NEW** label. To add another detector, click the **+** button and repeat steps 3–5. When you have paired all the detectors, click **Next**.

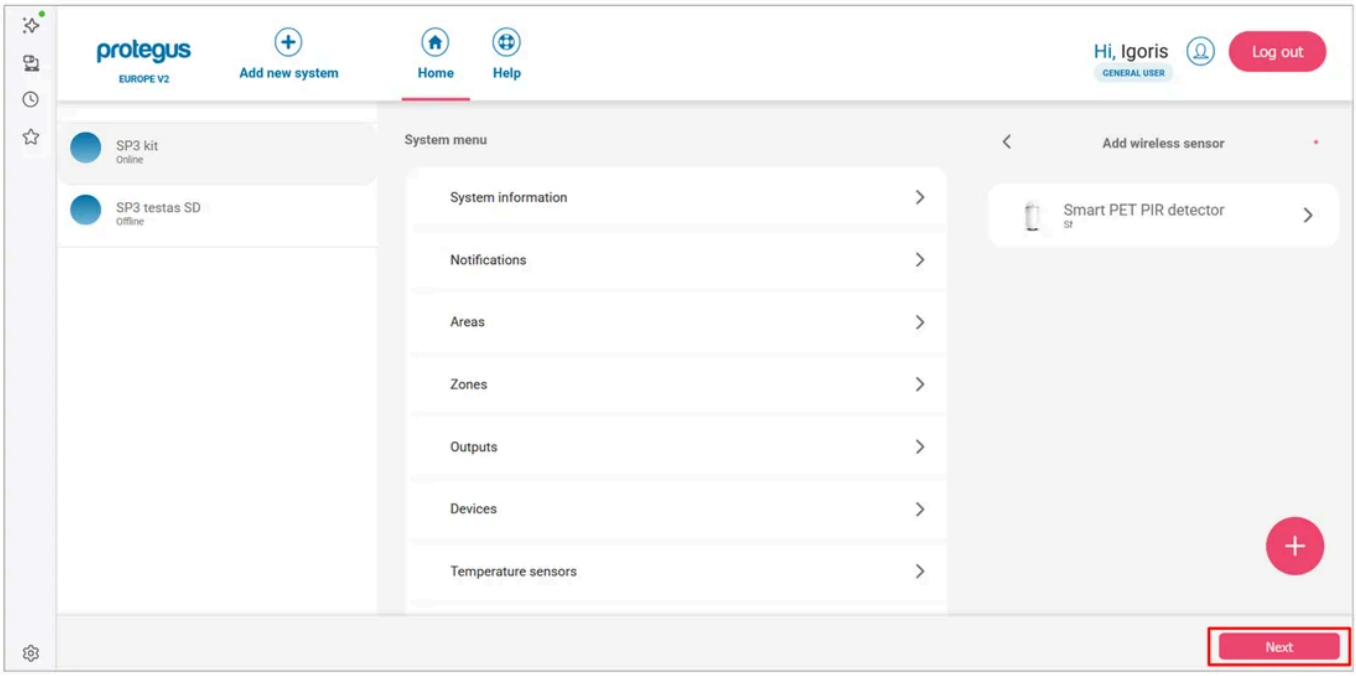


Figure 29. The paired detector in the list; with the **+** button you add another one, with the framed **Next** button you finish pairing.

7. A confirmation window shows that pairing was successful. Click **Close**.

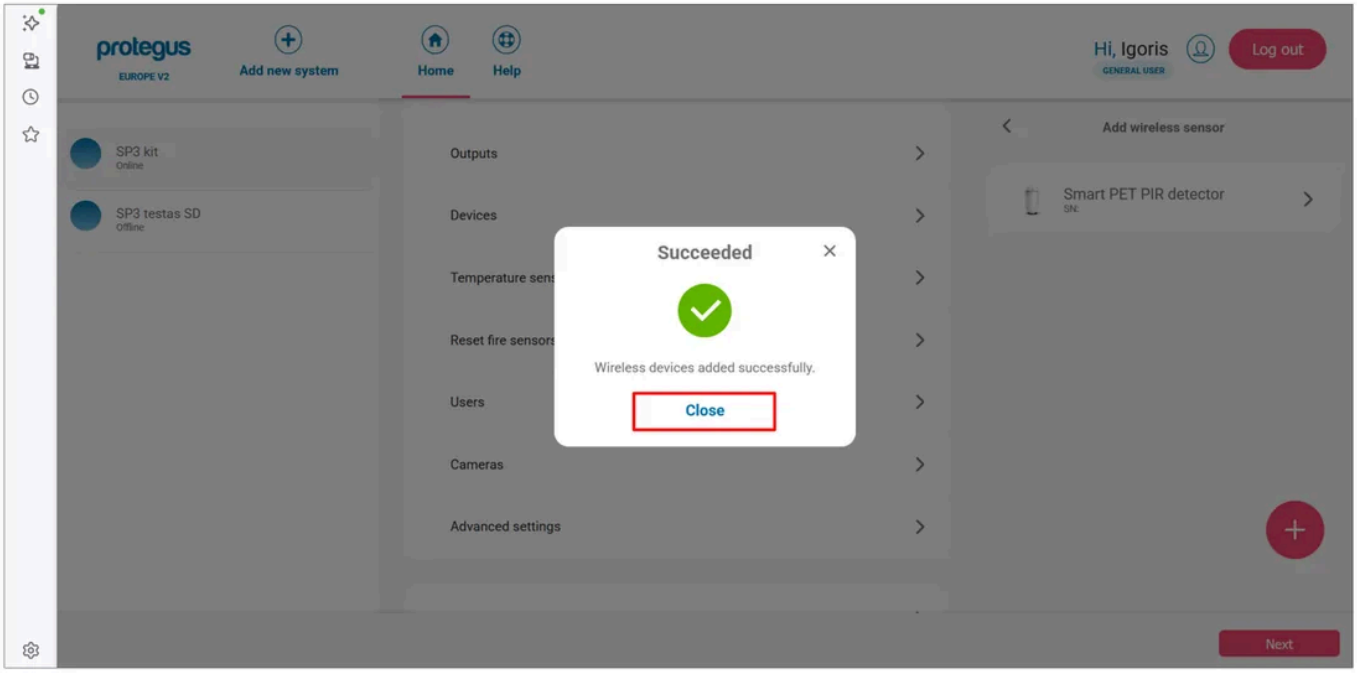


Figure 30. Succeeded – "Wireless devices added successfully.": the wireless devices have been added; the framed **Close** button.

Zone settings:

8. In the **Devices** list, click a paired detector to open its settings, then click the **Zone settings** section to expand it.

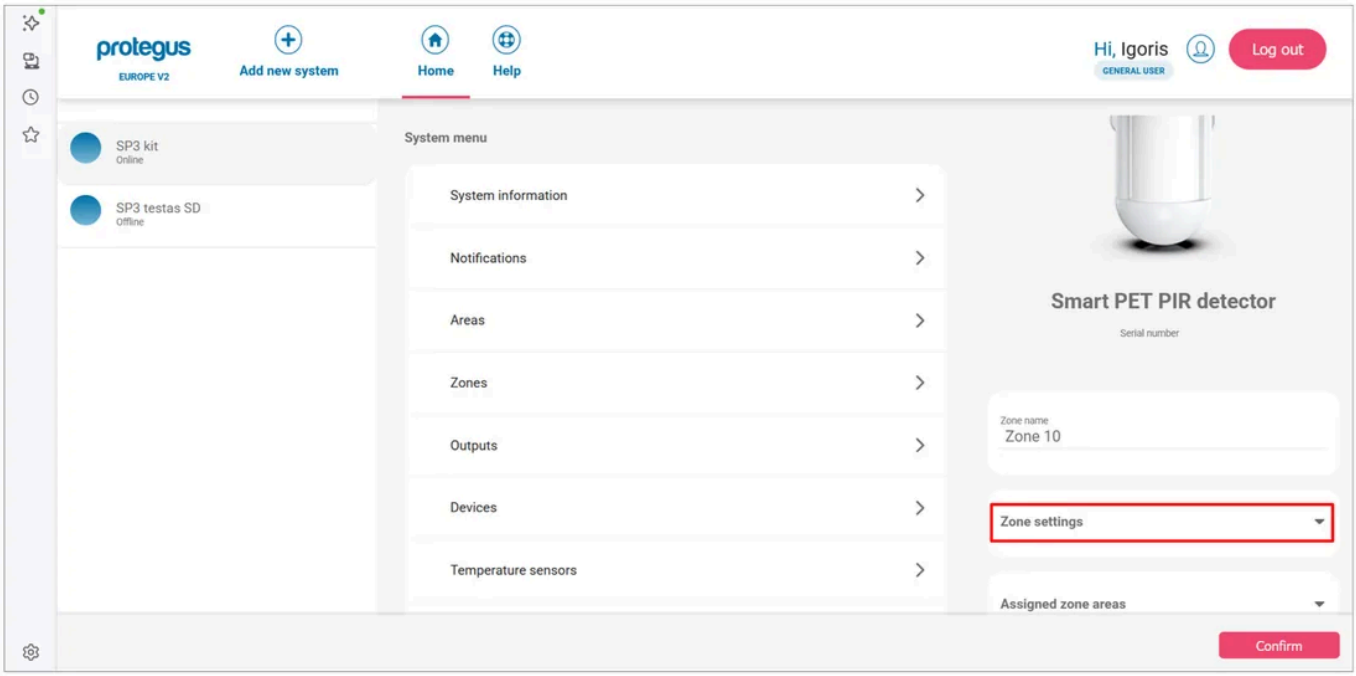


Figure 31. The detector settings: its type (**Smart PET PIR detector**), its serial number (**Serial number**), the zone name (**Zone name**, here **Zone 10**), the framed **Zone settings** section, the assigned areas (**Assigned zone areas**) and the **Confirm** button.

9. Set the zone definition (**Definition**, for example **Instant**) and type (**Type**, for example **NO** – normally open), then click **Confirm**.

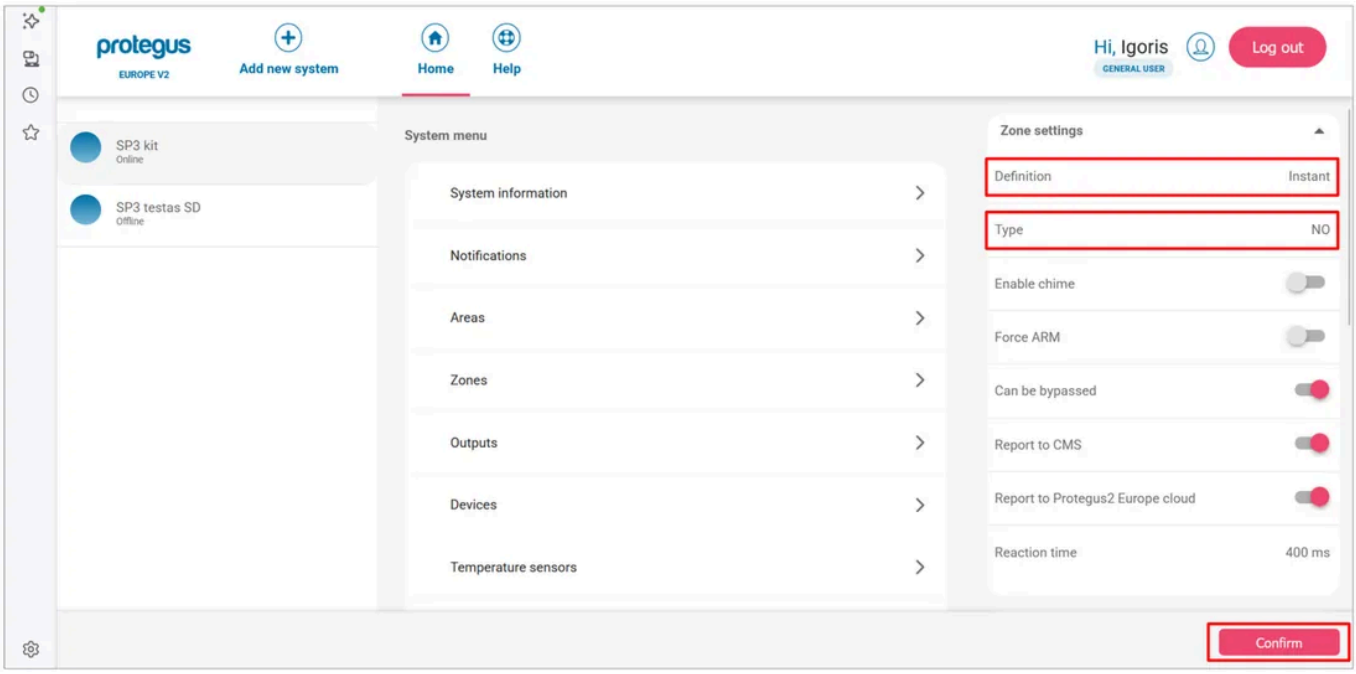


Figure 32. The expanded **Zone settings** section: the framed **Definition** (here **Instant**) and **Type** (here **NO**), **Enable chime**, **Force ARM**, **Can be bypassed**, **Report to CMS** (reporting to the monitoring station), **Report to Protegus2 Europe cloud** (reporting to the Protegus cloud), **Reaction time** (here 400 ms); at the bottom the framed **Confirm** button.

4.3.1 Zone states on the web interface

You can check the state of the paired detectors from the home screen of the system:

1. On the home screen, click the **Area 1** tile.

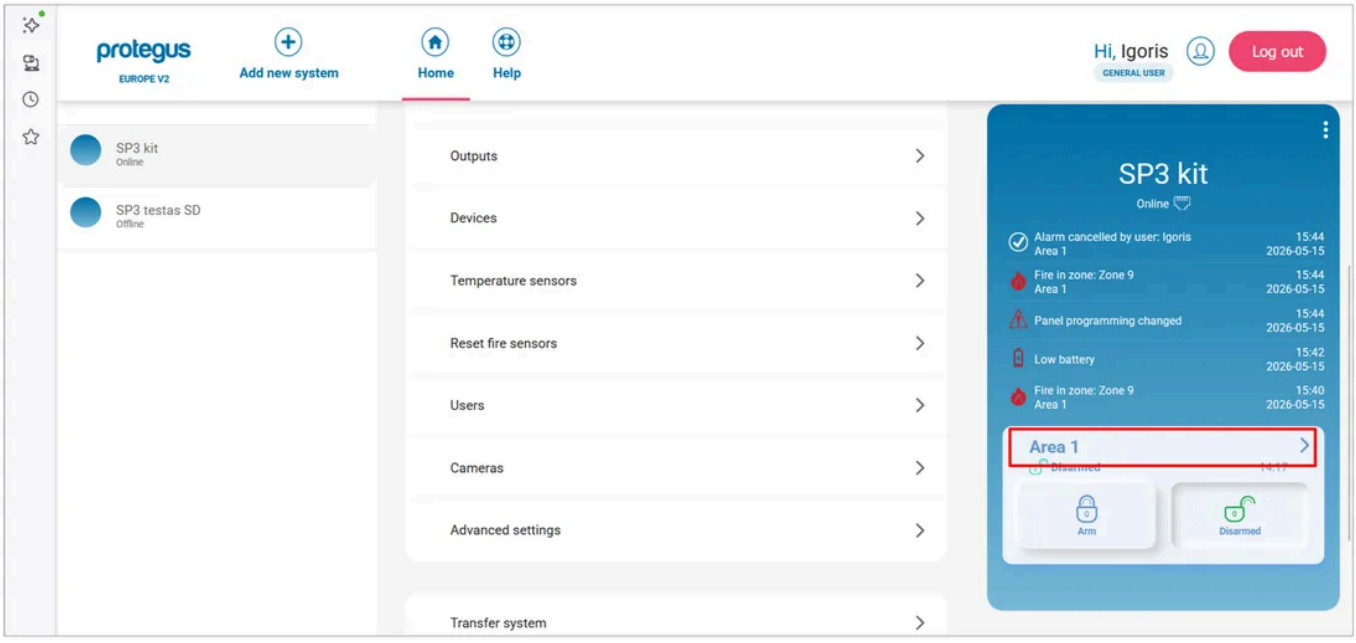


Figure 33. The home screen of the system: the framed **Area 1** tile in the **Disarmed** state.

2. Click the **Zone statuses** button.

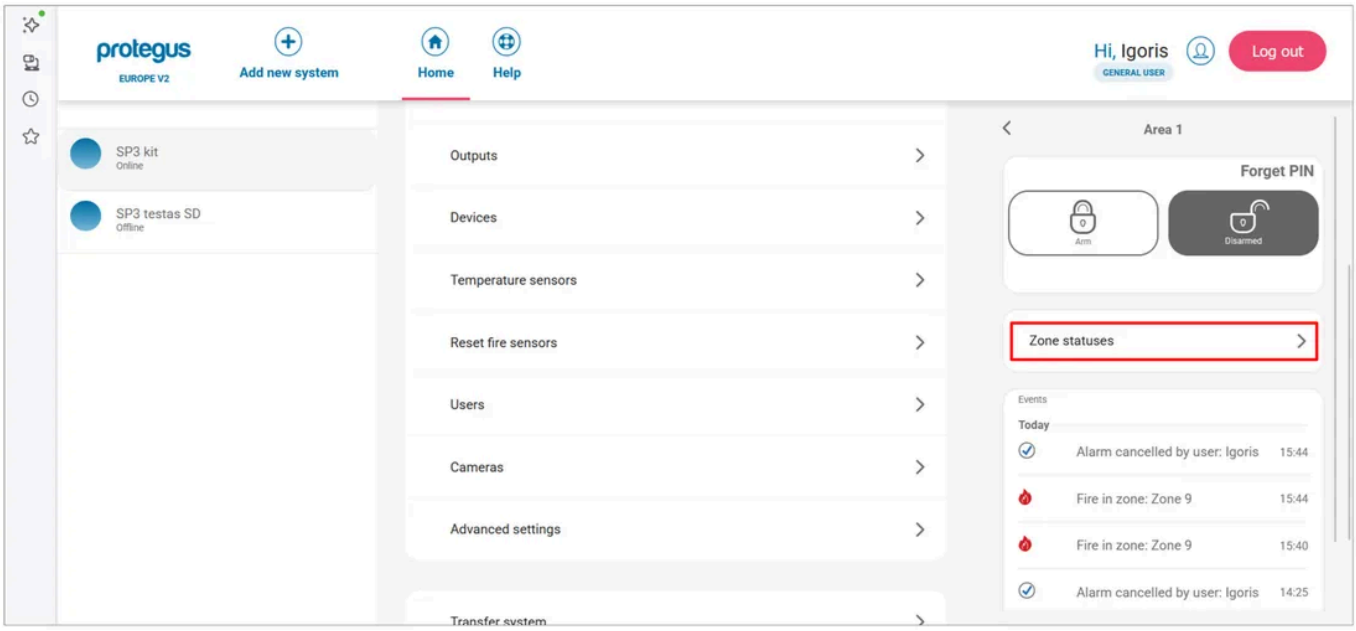


Figure 34. The **Area 1** panel: the framed **Zone statuses** button, below it the events (**Events**).

3. The **Zone status / bypass** panel shows all zones. The red warning icon next to a zone indicates that the detector is currently open or in alarm. With the bypass switches you can temporarily bypass individual zones.

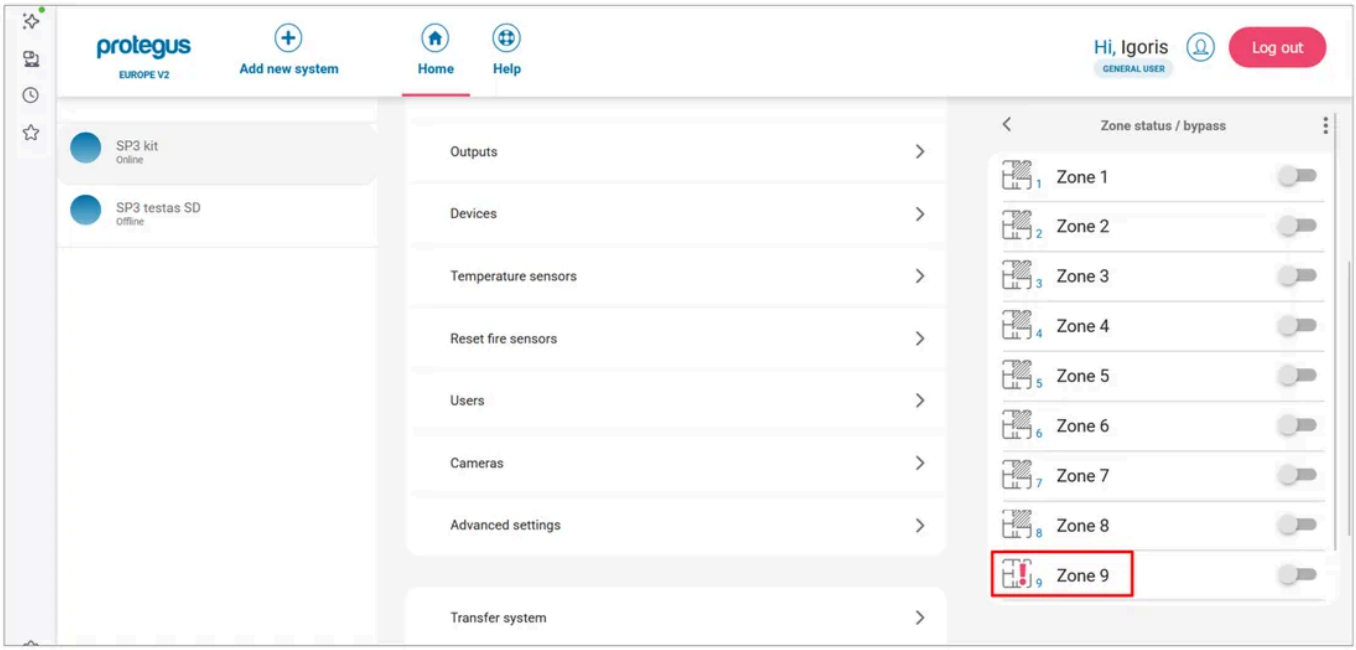


Figure 35. The **Zone status / bypass** panel with the list of zones and the bypass switches; next to the framed **Zone 9** the red warning icon: the detector is open.

4.4 Pairing remotely with TrikdisConfig

With TrikdisConfig you connect to the FLEXi SP3 remotely, over the network. If there is no network connection, pair locally as described in section 4.5.

Requirements for remote configuration

1. There is an activated SIM card in the FLEXi SP3, and its PIN code is entered or the PIN request is disabled.

2. Mobile data is enabled on the SIM card.
3. The Protegus cloud service is enabled: on the **Protegus** tab of the **Users & Reporting** window in TrikdisConfig, **Enable cloud service** is ticked (section 6.4.3 of the FLEXi SP3 manual).
4. The panel is switched on: the **PWR** indicator of the FLEXi SP3 flashes green.
5. The panel is connected to the network: the **NET** indicator of the FLEXi SP3 lights green and flashes yellow.

1. On the TrikdisConfig start screen, in the **Unique ID** field of the **Remote access** group, enter the panel's **IMEI/Unique ID** number (unique identifier). You can find it on the panel and on the sticker on the packaging.
2. Click the **Configure** button.

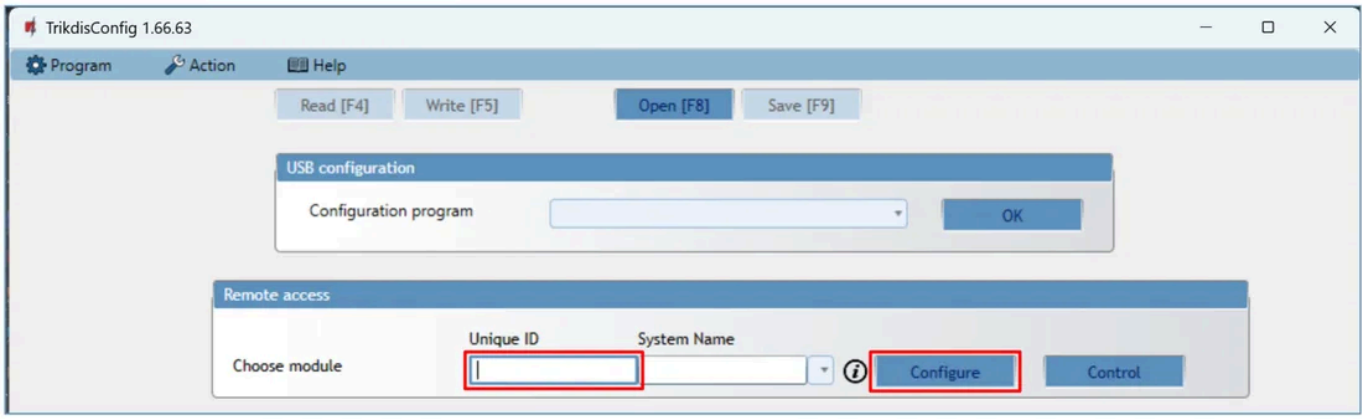


Figure 36. The TrikdisConfig start screen: the **USB configuration** group and the **Remote access** group with the framed **Unique ID** field (unique identifier), the **System Name** field, the framed **Configure** button and the **Control** button.

3. In the window that opens, click the **Read [F4]** button. If the program asks for it, enter the administrator or installer code.
4. Open the **Wireless sensors** window.
5. Click the **Learn sensors** button.

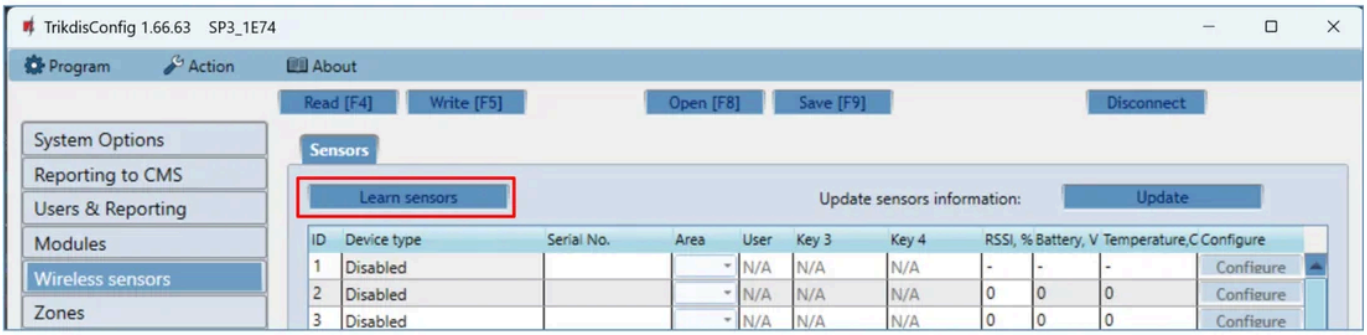


Figure 37. The **Sensors** tab of the **Wireless sensors** window: at the top the framed **Learn sensors** button, below it the columns of the list, including **ID**, **Device type**, **Serial No.**, **Area**, **RSSI %** (signal strength), **Battery V** (battery voltage), **Temperature C**.

6. The RF-S8 switches to learning mode: its **NETWORK** indicator flashes green and red, and TrikdisConfig opens the learning window (**Learning mode**).

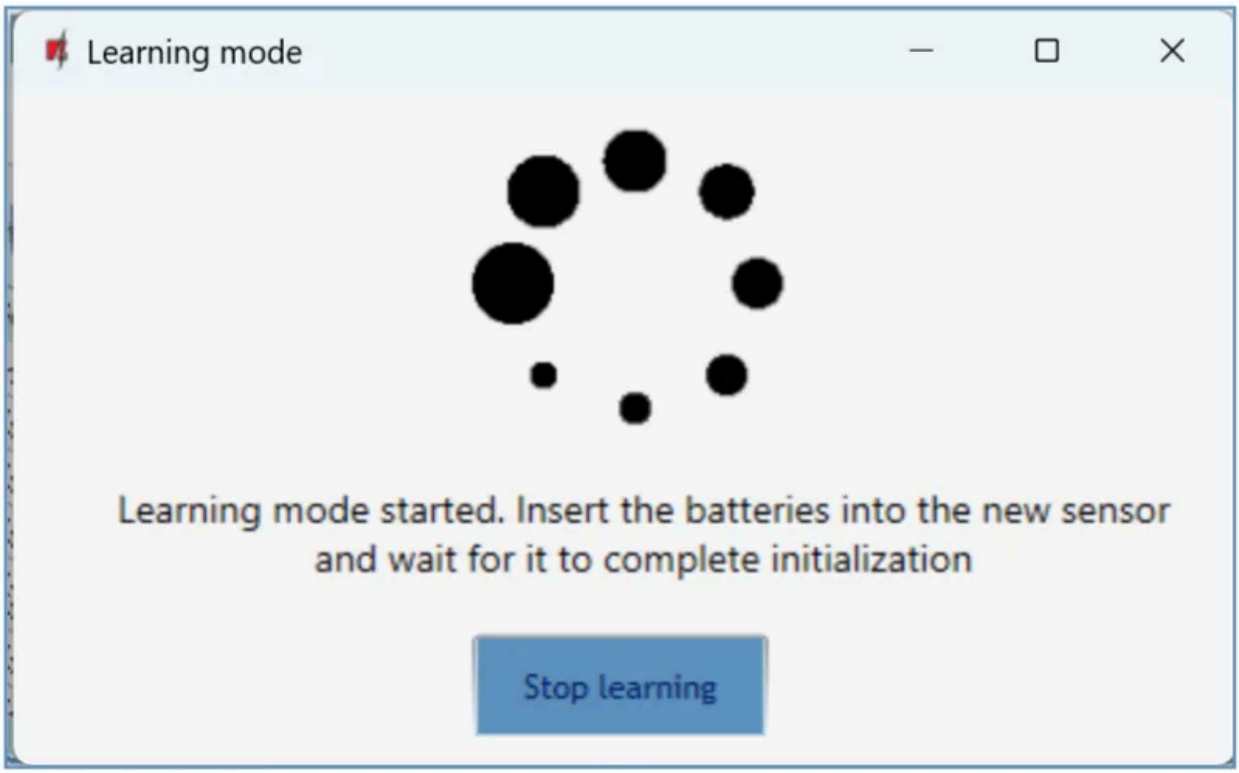


Figure 38. The **Learning mode** window: "Learning mode started. Insert the batteries into the new sensor and wait for it to complete initialization" – learning mode has started; insert the batteries into the new detector and wait until it finishes starting up. At the bottom the **Stop learning** button.

7. Press and hold the detector's learning button for 5 seconds. Release it when the detector's indicator flashes green four times.

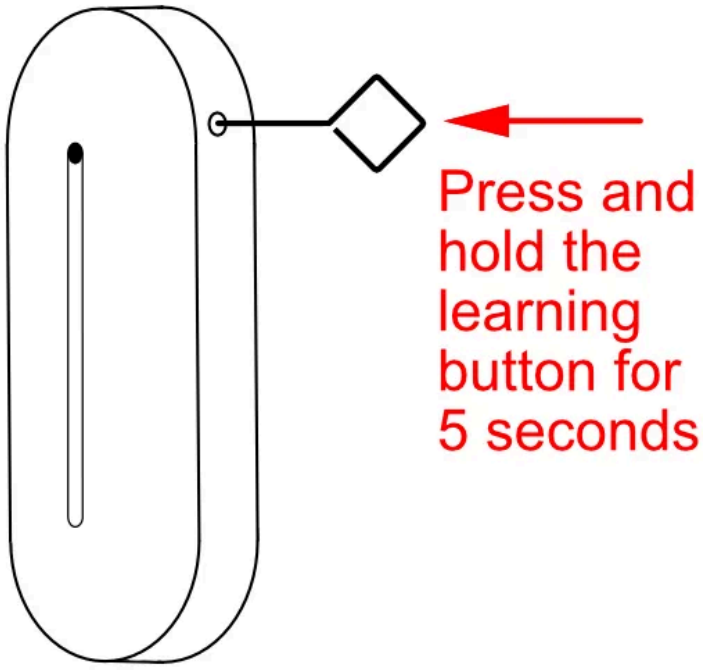


Figure 39. The learning button of the detector (in the drawing, a door/window opening detector). The text: "Press and hold the learning button for 5 seconds".

8. The **NETWORK** indicator of the RF-S8 turns green for a short time: the detector has been paired. After a few seconds it flashes green and red again.

9. TrikdisConfig opens the **New device was found** window. Enter the zone number of the detector (**Zone number**) and the zone definition (**Zone definition**, for example **Instant**), then click **Save**.

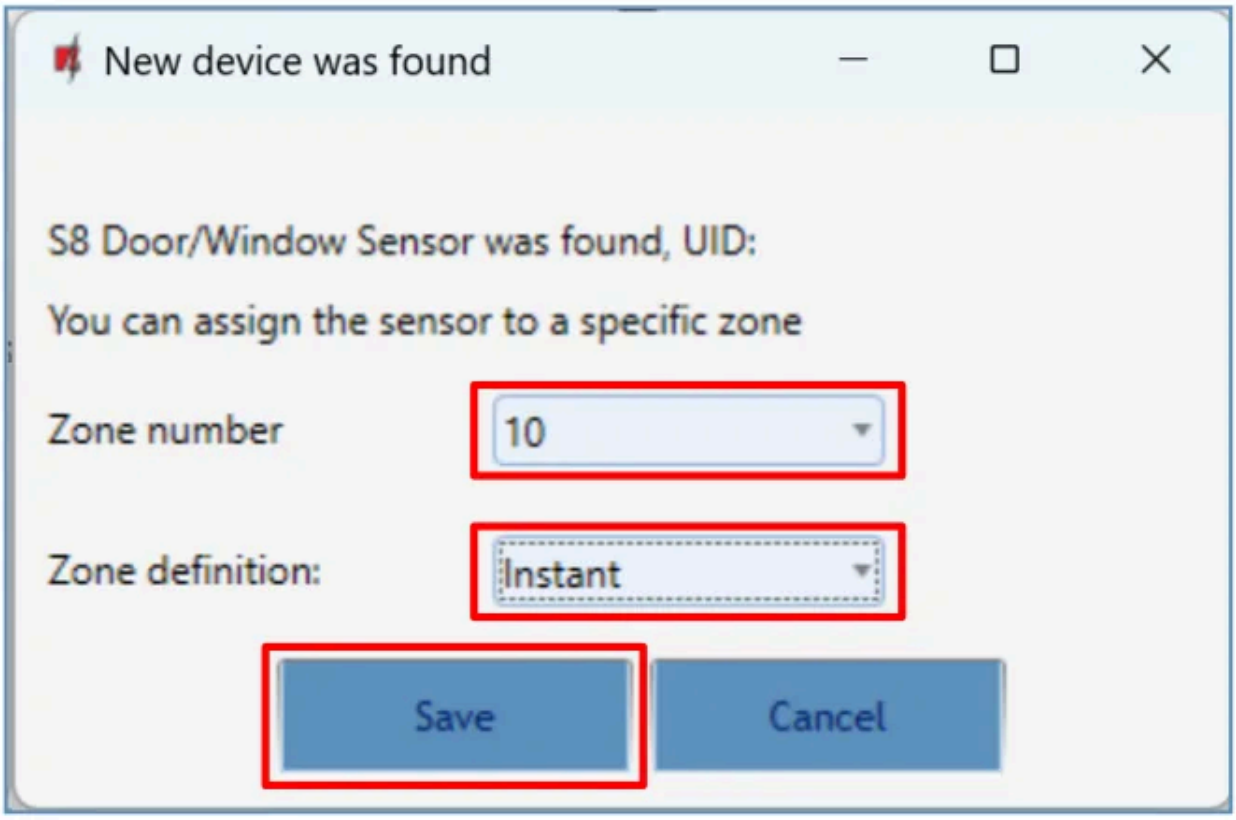


Figure 40. The **New device was found** window: the type of the detector found (here **S8 Door/Window Sensor** – door/window opening detector) and its identifier; "You can assign the sensor to a specific zone". Framed: **Zone number** (here 10), **Zone definition** (here **Instant**) and the **Save** button; next to it **Cancel**.

10. The detector is added to the list of detectors, and the status bar of the **Learning mode** window also shows its registration. For the next detector, press its learning button and repeat steps 7–9.

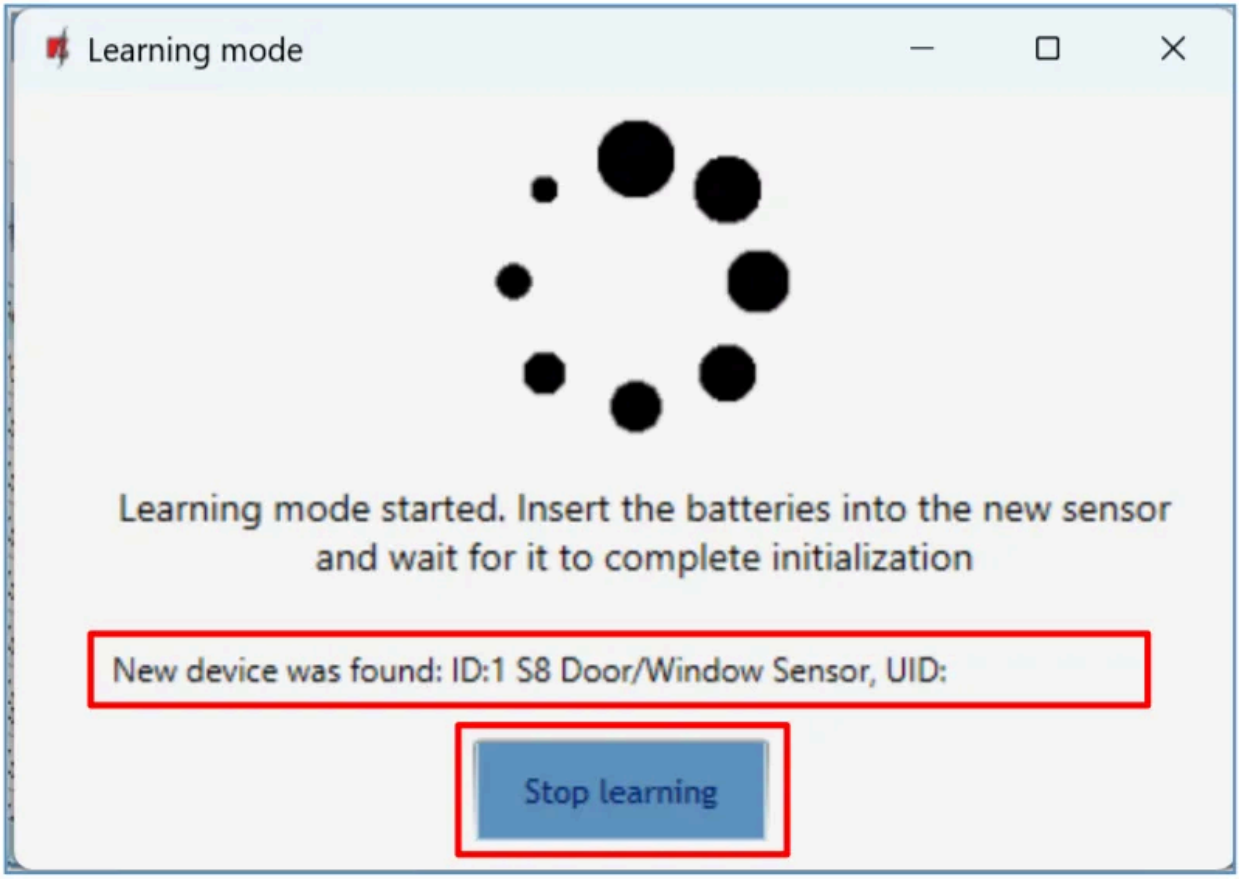


Figure 41. The status bar of the **Learning mode** window: "New device was found: ID:1 S8 Door/Window Sensor" – new device: number 1, a door/window opening detector, followed by its identifier; at the bottom the framed **Stop learning** button.

11. Finish registering the detectors with the **Stop learning** button.
12. When asked about saving, click **Yes**: the detectors are written to the FLEXi SP3. Choose **No** if you want to set further parameters first.

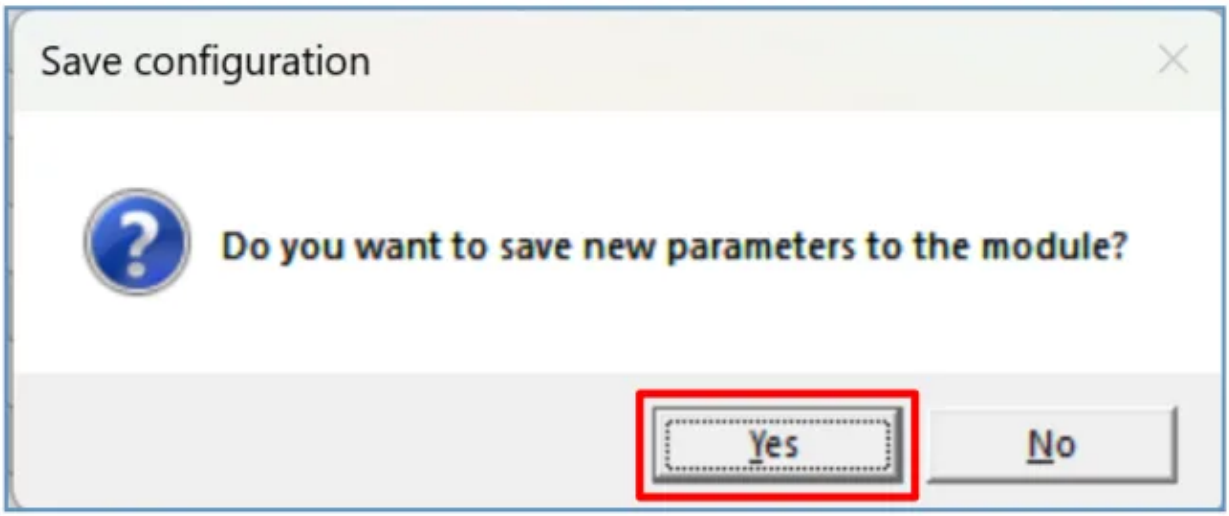


Figure 42. The **Save configuration** question: "Do you want to save new parameters to the module?" – write the new parameters to the panel? The framed **Yes** and the **No** button.

13. Wait a few minutes, then click the **Read [F4]** button. The **Wireless sensors** window shows the list of registered detectors, with their serial numbers in the **Serial No.** column.

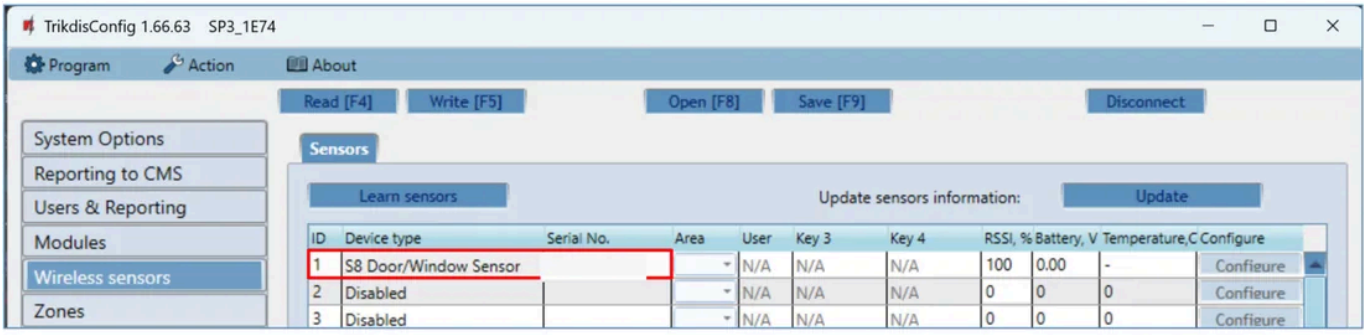


Figure 43. After reading, in row 1 of the **Wireless sensors** window the registered detector: **S8 Door/Window Sensor** (door/window opening detector), its serial number in the framed **Serial No.** column, next to it the signal strength (**RSSI %**) and the battery voltage (**Battery V**).

14. In the **Zones** window, check that the detectors have been assigned to the correct zone and area (**Area**) of the panel. If the zone type (**Type**) is **EOL_T**, tamper monitoring of the detector is also enabled.

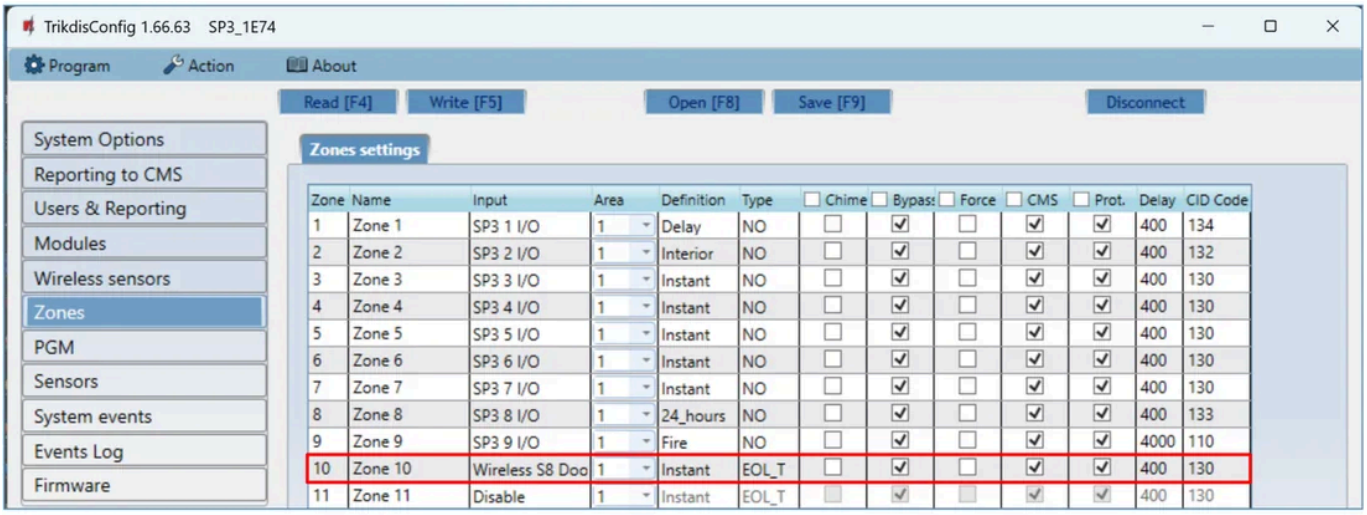


Figure 44. The **Zones settings** tab of the **Zones** window: the input (**Input**) of zone 10 is the S8 door/window opening detector (**Wireless S8 Doo…**), its area is **Area 1**, its definition **Instant**, its type the framed **EOL_T** (with tamper monitoring); zones 1–9 are the panel's own inputs.

15. After making changes, click the **Write [F5]** button.

4.5 Pairing locally with the LEARN button

There is a **LEARN** button on the printed circuit board of the RF-S8: with it you can start and stop learning mode without a computer, and no network connection is needed either. First carry out the preparation in section 4.1.

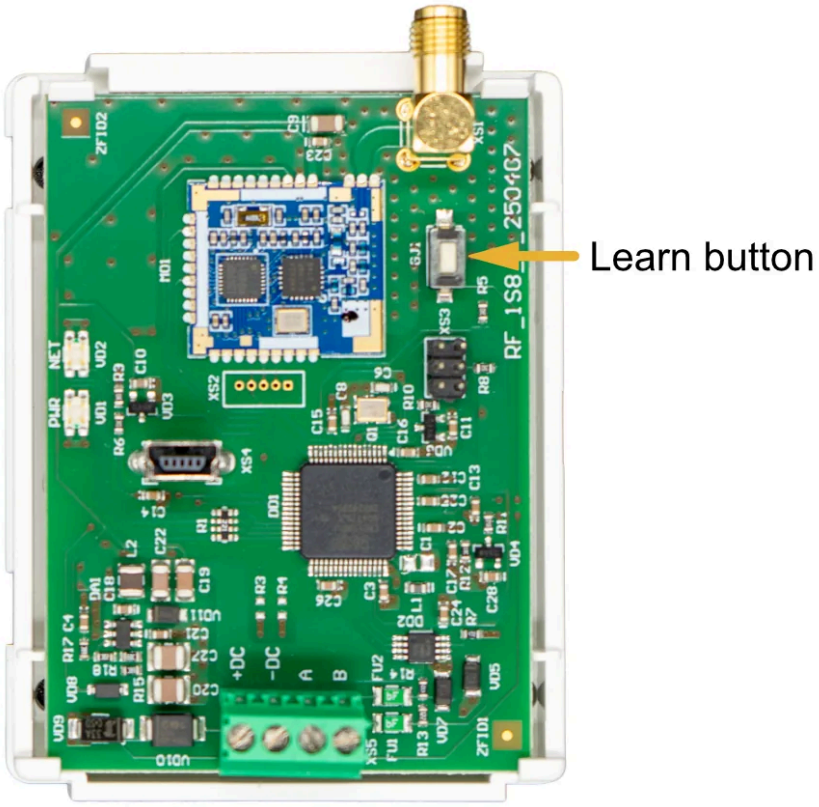


Figure 45. The printed circuit board of the RF-S8 without the cover; the arrow points to the learning mode button ("Learn button", **LEARN** in the text).

1. Check that the RF-S8 is registered to the FLEXi SP3: it is visible in the TrikdisConfig **Modules** list (3.2).
2. Switch on the power supply of the FLEXi SP3.
3. Remove the cover of the RF-S8.
4. Press and hold the **LEARN** button of the RF-S8 until the **NETWORK** indicator starts flashing green and red.
5. Release the **LEARN** button.
6. The flashing **NETWORK** indicator shows that the RF-S8 is in the registration (learning) mode for wireless devices.
7. Press and hold the detector's learning button for 5 seconds. Release it when the detector's indicator flashes green four times (the position of the button is shown in the figure for step 7 of section 4.4).
8. The **NETWORK** indicator of the RF-S8 lights steadily green for a short time: the detector has been paired.
9. After a few seconds, the **NETWORK** indicator flashes green and red again.
10. For the next detector, press its learning button (steps 7–9).
11. To finish registration, press and hold the **LEARN** button until the green and red flashing of the **NETWORK** indicator stops, then release it. The RF-S8 has left registration mode.
12. Connect the FLEXi SP3 to the computer with a USB Mini-B cable.
13. Start TrikdisConfig and click the **Read [F4]** button.
14. The **Wireless sensors** window shows the list of registered wireless devices, with their serial numbers in the **Serial No.** column (figure at step 13 of section 4.4).
15. In the **Zones** window, check that the detectors have been assigned to the correct zone and area of the panel (figure at step 14 of section 4.4).
16. After making changes, click the **Write [F5]** button.
17. The detectors are registered.

4.6 Deleting a detector

This is how you delete a wireless detector from the memory of the FLEXi SP3:

1. Start TrikdisConfig.
2. Connect the FLEXi SP3 to the computer with a USB Mini-B cable, or connect to it remotely (4.4, steps 1–3). Click the **Read [F4]** button.
3. In the **Device type** column of the **Wireless sensors** window, select **Disabled** instead of the detector to be deleted, then click the **Write [F5]** button. This deletes the detector from the memory of the FLEXi SP3.

5. Safety instructions

Figyelem!

Az elektromosság veszélyes! Személyi sérülést vagy HALÁLT, valamint anyagi kárt okozhat!

A telepítés során elektromos berendezéssel történik munkavégzés, amit az érvényes erős- és gyengeáramú rendelkezések betartásával kell kivitelezni!

A garancia (jótállás) érvényesítésének is feltétele, hogy az eszközt szakképzett személy telepítse az elektromos berendezések telepítésére vonatkozó előírások betartásával és az elektromos berendezések biztonságos üzemeltetésére vonatkozó hatályos előírásokat követve.

- The RF-S8 may only be installed and maintained by qualified persons.
- Before installation, read this manual carefully to avoid mistakes that can lead to malfunction or even damage to the equipment.
- Disconnect the power before making any connection.
- Changes, modifications or repairs not authorized by the manufacturer void the warranty.
- Do not throw the device and its parts in household waste: follow local waste sorting regulations.

See also

- "FLEXi" SP3 alarm control panel – installation and programming manual – wiring and setting up the panel: firmware versions (1.7), power supply and current consumption (2.1), adding the system to Protegus 2 (5.1), the **Modules** (6.5) and the **Wireless sensors** window (6.6).
- "FLEXi" SP3 alarm control panel – user manual – operating the system, the Protegus 2 app and the trouble indications.
- FLEXi SP3 firmware: how to choose the right one? – choosing the firmware file for the hardware version and the wireless receiver.
- Protegus Android / iPhone and web app – the Protegus 2 app and the web interface.
- Documentation: docs.trikdis.com – RF-S8 Wireless Transceiver and docs.trikdis.com – Adding S8 sensors to the FLEXi SP3.

Related products

Trikdis RF-S8 wireless receiver | **PIR-Pet-S8 - motion detector**

Magnet-S8 - magnetic door contact | **Siren-Outdoor-S8 - outdoor siren**

Keyfob-S8 - remote control keyfob | **Smoke-S8 - smoke detector** | **SOS-S8 - panic button**

Vibro-S8 - vibration detector | **Plug-S8 - smart plug**

Siren-S8 - indoor siren and signal repeater | **Flood-S8 - water leak detector**

PIR-S8 - curtain motion detector

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