SAFELOG

SAFELOG mini

Installations- und Betriebsanleitung DE

Installation and Operating Instruction EN

Notice d’installation et d’utilisation FR

SAFELOG mini

Installation and Operating Instruction

List of abbreviations

Devices	Luminaires, line couplers, repeaters, conversion kits and emergency luminaire converters
MM	Maintained mode. The luminaire of the consumer is constantly activated
NMM	Non maintained mode. The luminaire of the connected consumer only lights up in the emergency mode
SWX	SAFELOG Wireless (Wireless-BUS-System SRD 868MHz)
F-Test	Function test in acc. with DIN VDE 0108 and DIN EN 62034
B-Test	Battery time test in acc. with DIN VDE 0108 and DIN EN 62034

Icons

Open view	
Close view	
Edit	
Play / Start function	
Delete	

1. General Information and Introduction

1.1 General information

Only those with appropriate training or electricians are permitted to install, operate and service the system. Please thoroughly read through the instruction before installing and commissioning the system. Only in this way it is safe and correct handling is ensured. Any work on the devices is only to be carried out in a de-energised state. The applicable safety and accident prevention regulations must be adhered to.

The instructions refer to our latest model: SAFELOG mini.

1.2 Exclusion from liability and warranty

We assume no warranty or liability for damage or sequential damage brought about by the following:

- Incorrectly implemented installation or operation of the system
- Accessing the SAFELOG device
- Operating products and/or components not suited for the emergency lighting
- Non-adherence to regulations for fail-safe system operations
- System operated by those with no due authorisation (incorrect operation)

1.3 Warnings

The power supply must be isolated to de-energize the system. Only trained electricians are to undertake work when the system is energized.

In replacing parts of the device only those of the same type and with the same characteristics or manufacturer-approved spare types are to be used. Operating incorrect or faulty parts can result in non-functioning safety lighting.

2. Transport and Storage

2.1 Product delivery

On receipt of the device, check that all its contents are on hand and that there is no obvious damage. Report any damage immediately to the forwarder and bear in mind the following:

- Leave the product and its packing as it is after opening.
- Report the damage to the forwarder.
- Then contact the seller.
- After examination by the forwarder and receipt of damage confirmation, you can return the defective product to the seller.

2.2 Storage

Do not store the device outdoors up to mounting - it must be kept where it is dry and dust-free. The temperature there is to be between 0°C and + 35°C.

3. Product Description

The SAFELOG system is for monitoring and controlling safety and exit sign luminaires as well as other SAFELOG-compatible consumers.

Self-contained monitoring system in accordance with DIN EN 62034 (ATS). The new SAFELOG mini system with integrated web interface for monitoring and controlling up to 50 wireless self-contained luminaires (SRD 868MHz). All connected wireless self-contained luminaires are controlled via the integrated web interface, which displays the operating status of the individual luminaires. The connection to the SAFELOG mini web interface is established via the built-in WiFi interface.

The SAFELOG Wireless system does not undertake communication between the consumers through an additional data cable but is wireless-communicated. The consumers build up a “mesh network” and use it for communication purposes.

The central unit is also equipped with a backup battery, which guarantees a bridging time of up to 8 hours in the event of a power failure and thus ensures communication in the wireless network.

Consumers comprise self-contained luminaires, line couplers, repeaters, conversion sets and emergency luminaire converters. All consumers must be compatible with SAFELOG Wireless (SWX). Non-system consumers cannot be connected to the monitoring system.

3.1 Security information (Cybersecurity)

In this chapter you will find guidelines for the secure deployment of the SAFELOG mini. How to minimise the cyber security risk for the installation system.

Identification:

Please ensure that the SAFELOG mini is labelled with the part number and Mac address printed on the product label, as well as the IP address and current firmware version configured when the material was installed, and that the system is listed in the inventory.

Please note that physical access to the SAFELOG mini should be restricted. Ensure that access to the device is restricted to authorised users only. The SAFELOG mini does not have any physical access ports that would allow direct manipulation.

Restrict logical access via the software:

Access to the SAFELOG mini should be restricted to authorised personnel only, as the system configuration can be manipulated by misuse.

Access is via the network (WiFi):

Ideally, the SAFELOG mini should be operated in your own WiFi network. However, if the SAFELOG mini is connected to an external WiFi network, make sure that the IP address and MAC address are filtered on the router side or via a firewall.

Security updates:

If it is necessary to update the device's firmware, the local service centre will contact you.

Logging and monitoring:

Please ensure that you log all relevant system and application events, including all management and maintenance activities. Logs should be protected from tampering and other risks to their integrity (e.g. by restricting access and modification rights, transferring logs to a security information and event management system, etc.).

Please ensure that the logs are kept for an appropriate period of time. Review the logs regularly. The frequency of review should be appropriate and take into account the sensitivity and criticality of the SAFELOG mini and the data it processes. The details on exporting the logs are explained in chapter 6.5.3.

Decommissioning:

Purging data is a best practice before disposing of a device with data. The relevant guidelines are set out in NIST 800-88. To ensure that the data cannot be recovered, the SAFELOG mini must be properly destroyed. Suitable destruction methods include disassembling or separating the SAFELOG mini into its components and disposing of it. Please note that the electronics inside the SAFELOG mini can be mechanically destroyed. Safe options include incineration, pulverisation or melting.

3.2 Features

General:

- Compact housing with integrated multicolour LED and buzzer for status indication
- Status of the luminaires in plain text in the web interface
- Automatic commissioning including luminaire search, no manual addressing of luminaires necessary
- Free entry of luminaire destination designations with max. 31 characters
- WiFi interface (2.4 GHz) with access point and station mode function
- Web interface for system monitoring, control and building visualisation
- E-mail notification to distribution list / messages are freely adjustable
- Automatic function and duration test (time freely selectable)
- Electronic test logbook stores all events in the control unit for at least 4 years
  Evaluation and analysis of the test logbook results via the web interface, including manual maintenance entries
- 7 freely programmable groups respectively group assignments
- 20 time switches freely programmable
- Luminaires can be switched in maintained and non-maintained mode (All / per group / per luminaire)
- Password-protected access across two levels (user / installer)
- “Over-the-air” update function

3.3 Technical data

Power supply	1/N/PE AC 50Hz 230V
Power consumption	7 W
Connecting terminals - mains	2,5 mm²
Frequency range	863 – 870 MHz (SRD-Band)
Maximum transmission power	10 dBm
Wireless range	max. 30 m with direct visual contact
Switching input	1 x optocoupler (programmable, 24V – 230V AC / DC)
Ambient temperature	0°C bis +35°C
Backup battery	4,8V 2,0 Ah
Protection class	II
Ingress protection code	IP20
Dimensions (W x H x D)	134 x 134 x 35 mm
Mounting	Wall mounting
Cable entry	back / top (Surface mounting)

4. Device installation

4.1 Assembly

Remove the packing from the device and place down on its back. Then press the two notches on the side of the cover and remove it upwards.

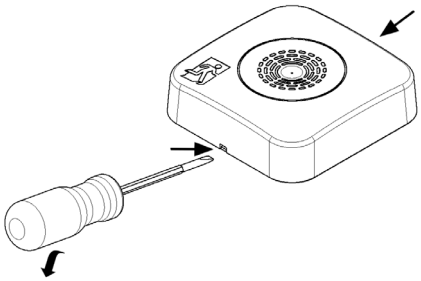

Fig. 1: Opening the housing

For the mounting, take on the dimensions of the rear mounting plate of the SAFELOG device. Please note that the wall together with the screws and plugs used need to support the weight of the device.

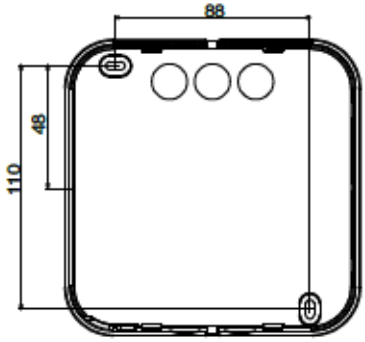

Fig. 2: View from behind

4.2 Electrical connection

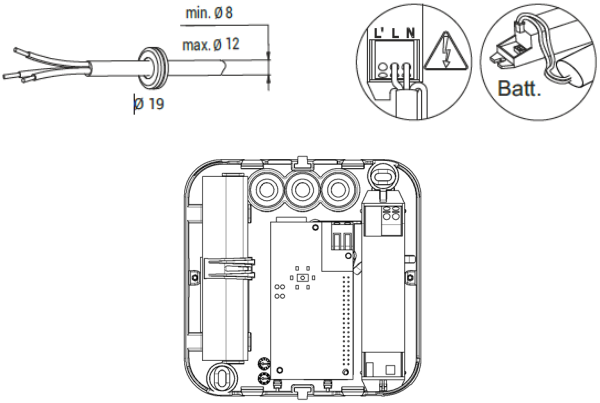

Fig. 3: View of connecting terminals

Mains	1,5 – 2,5 mm²
Switch input	0,5 - 1,5 mm²

5. System Commissioning

Only qualified and trained electricians are allowed to commission the system. The manual takes you through system commissioning step-by-step. During the commissioning, the SAFELOG mini goes through a fixed routine which cannot be aborted.
The routine restarts and entries need to be repeated should the charging current fail during the commissioning.

Once terminated the commissioning can only be re-activated via the "Reset to factory settings" function.

Check the following before switching on:

- all electrical connections at the SAFELOG mini
- the device number on the nameplate (s. fig. 4) (needed during the commissioning)

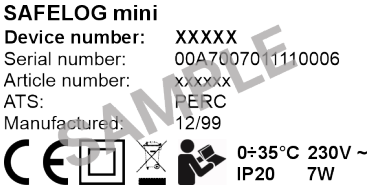

Fig. 4: Nameplate with device number

5.1 Commissioning

Please keep to the following order when switching on the system:

1. Installation of all devices and the SAFELOG mini is completed
2. Insert external fuse for the SAFELOG mini
3. Establish a WiFi connection to the SAFELOG mini
4. Enter the web address
5. Carry out the automatic commissioning

You can use a PC / tablet or mobile phone for commissioning. Referred to as an end device in the instructions.

When the SAFELOG mini is switched on, it sets up its own WiFi. With the connection, the end device can automatically connect to the SAFELOG mini as soon as the QR CODE has been scanned.

Please load the page for commissioning with any web browser. You have the option of entering the address manually or scanning the QR code.

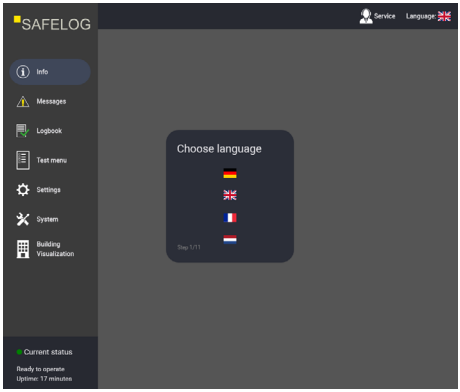

Fig. 5: Language choice

Step 1: You can choose the language of the device here. The choice can also be subsequently changed in the menu.

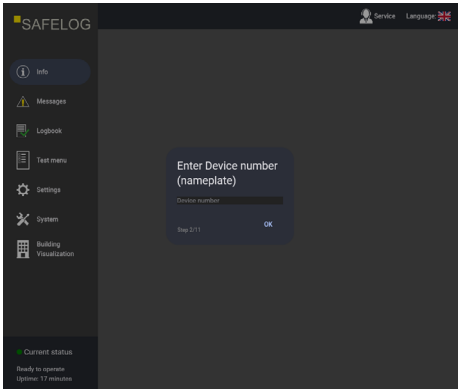

Fig. 6: Entering device number

Step 2: Take up the device number from the rating plate (see Fig. 4) when you are requested to enter this number and confirm with “Enter”. The number is precisely 5 digits in length.

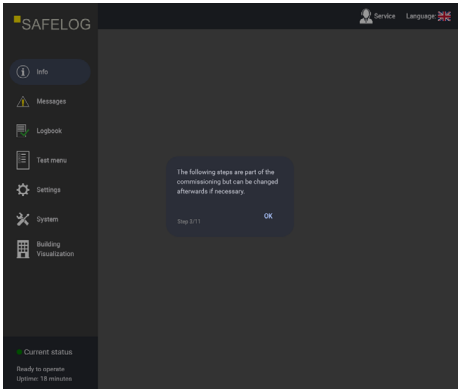

Fig. 7: Notes on commissioning

Step 3: You will be informed that you can also change the steps individually at a later date.

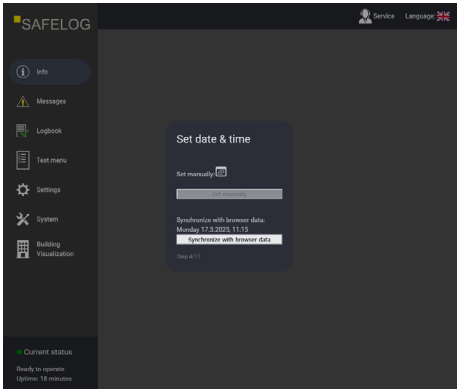

Fig. 8: Date and time

Step 4: Set the date and time, manually or via the time from the browser / end device.

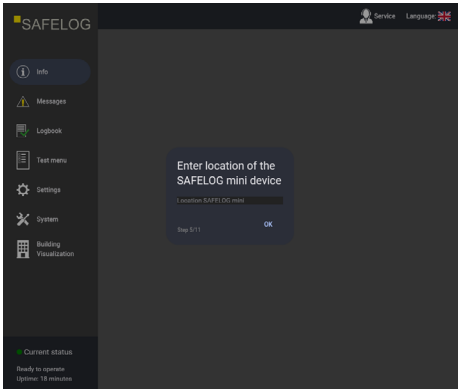

Fig. 9: Location

Step 5: You can enter the location of the SAFELOG mini here.

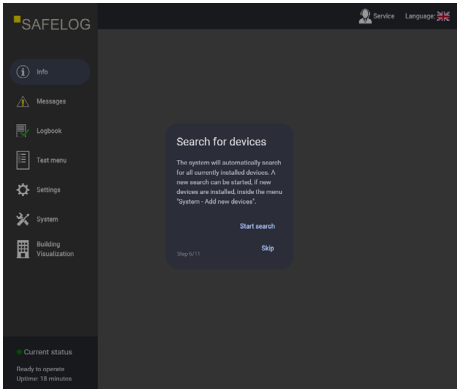

Fig. 10: Search for devices

Step 6: Search for devices in the wireless network.
You can start the search automatically in this step “Start search” or later after the commissioning “Skip”.
After starting the search, the system searches for all connected devices.
The search takes 15 minutes and then ends automatically.

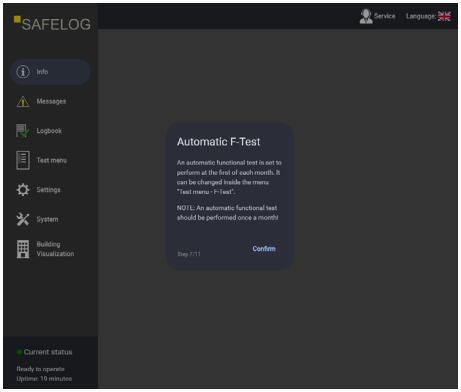

Fig. 11: Automatic F-Test

Step 7: Automatic F-Test, set once a month during the commissioning.

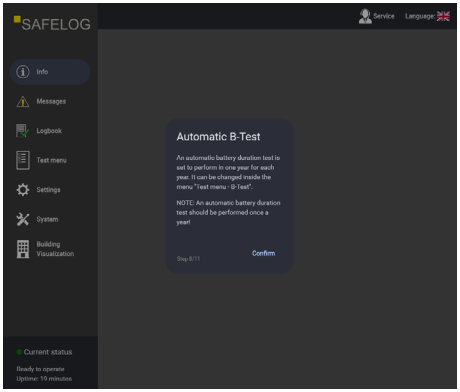

Fig. 12: Automatic B-Test

Step 8: Automatic B-Test, set once a year during the commissioning.

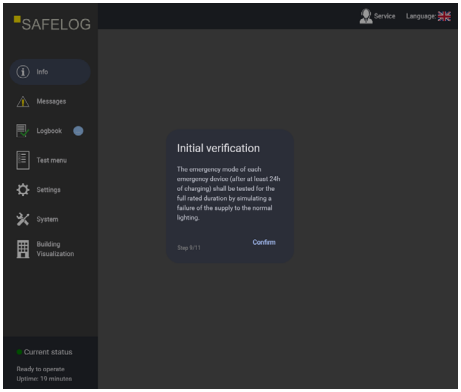

Fig. 13: Initial verification

Step 9: Notification for the initial verification after the commissioning.

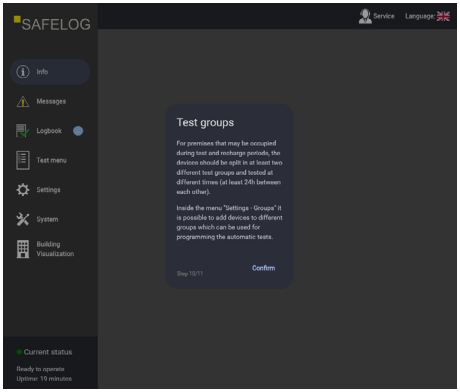

Fig. 14: Test groups

Step 10: Notification for setting up the test groups.

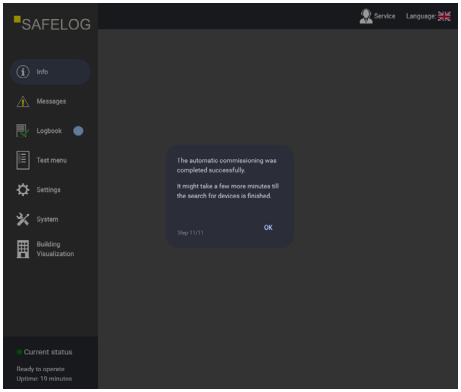

Fig. 15: Commissioning finished

Step 11: Automatic commissioning is finished, it will take a moment until all devices found are correctly registered. Please wait before continuing with the work.

For further operation and programming, read chapter 6 of the instructions.

6. Operating and Programming

The SAFELOG mini is a device that does not have a direct display for input. The SAFELOG mini is accessed via a web browser using an end device.

6.1 SAFELOG mini

The SAFELOG mini is nevertheless able to provide the user with a wide range of information and enable him to carry out operations.

Messages on the SAFELOG mini

The messages for the user are also shown on the control centre via the LED displays without having to call up the web browser.

Green	Ready to operate
Yellow	Battery operation
Yellow flashing	Inhibit mode active
Red	Failure

Operation on the SAFELOG mini

The SAFELOG mini is equipped with a button inside the device. When closed, the SAFELOG mini can be operated with a thin stylus tip. The opening is in the centre of the grey circle.

1x touch:	Acknowledge buzzer
2x touch:	Reboot system
5x touch:	Reset WiFi settings

If the button is pressed for longer than 10 seconds, the SAFELOG mini is reset to the factory settings. The devices will stay connected to the SAFELOG mini.

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6.2 Overview web interface

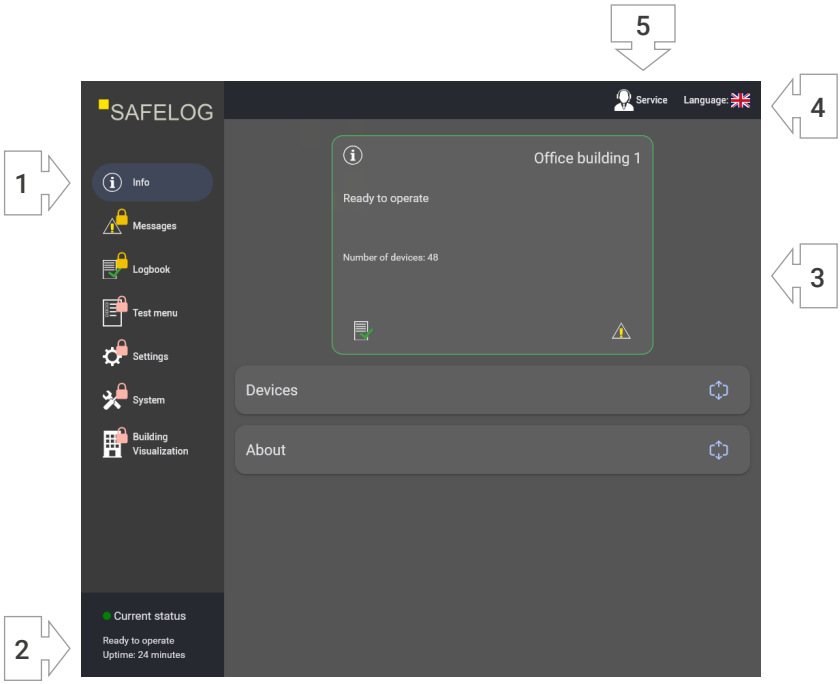


Fig. 16: Overview

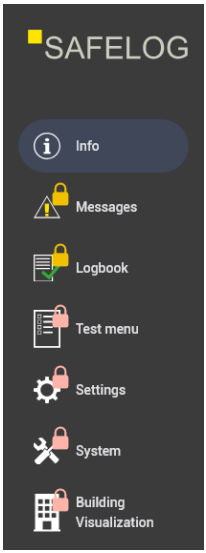
1. Menu options
2. Actual status (Operation / Battery / Failure)
3. Overview of all connected devices and the system
4. Language selection
5. Service contact details and link to operating instructions

1. The display for the status of the system can have the following states:

Green	Ready to operate
Yellow	Battery operation
Orange	Inhibit mode active
Red	Failure

The messages are displayed as status messages in plain text.

6.2.1 Access to the menu



Access to the menu outside “Info” is protected with two different passwords (level).

Level 1

The password for the system on delivery is: “0000“.

Level 2

The password for the system on delivery is: “1234“.

You can assign your own password later in the menu.

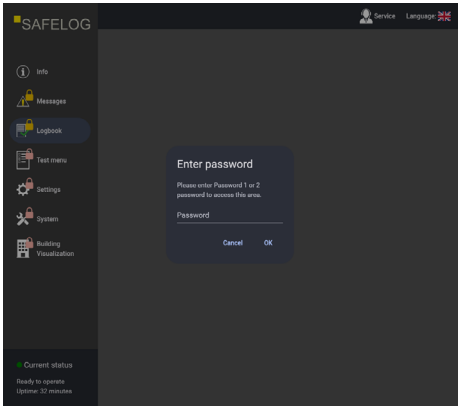


Fig. 17: Enter password

Select the appropriate menu item and then enter the corresponding password. Confirm the entry with “OK”.

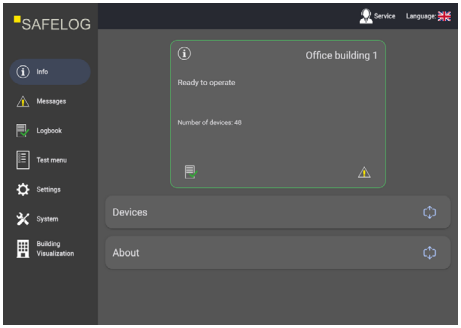


Fig. 18: Menu view

After entering the password, the menu opens without the locks and gives you access to all other sub-items.

6.2.2 Menu structure overview

6.3 Menu “Info”

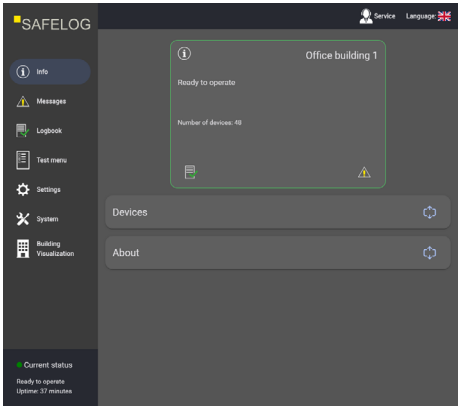


Fig. 19: Menu “Info”

This menu provides you with a general overview of the SAFELOG mini and the connected devices. Here you can see all current messages from the system, the individual installation locations of the devices and an overview of the status of the SAFELOG mini. This menu is for information purposes only. No data can be changed in this area. You can choose between the items **Devices** and **About**. It is also possible to open menu items using the icons

Logbook Messages

6.3.1 Devices

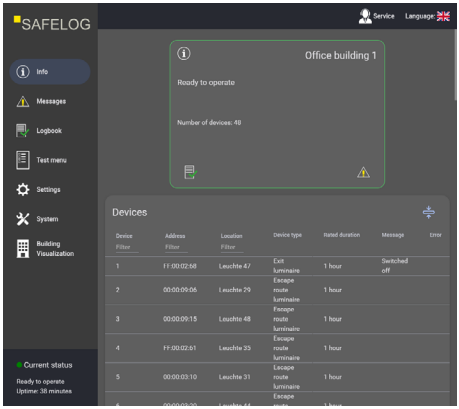


Fig. 20: Mask “Devices”

This gives you an overview of the installation locations and the status of the individual devices.
You can use the filter functions to search the columns as required.

6.3.2 About

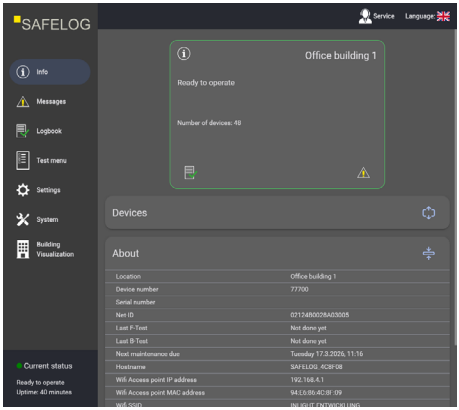


Fig. 21: “About”

In this mask it is possible to view all important data and the status of the SAFELOG mini.

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6.4 Menu “Messages”

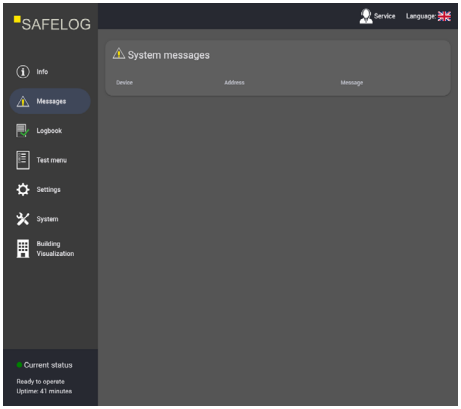


Fig. 22: Menu “Messages“

This view displays all pending error messages or faults in plain text.

6.5 Menu “Logbook”

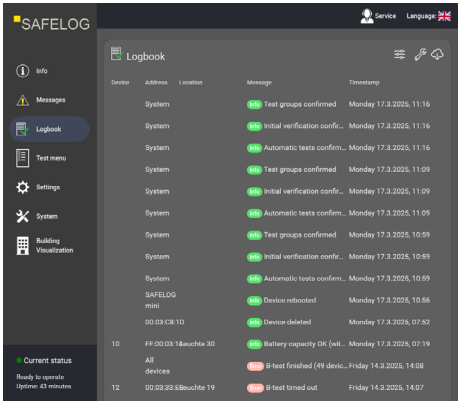
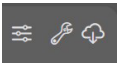


Fig. 23: Menu “Logbook”

This view gives you an insight into all the logged events of the system. You can document carried out maintenance here and download all data to the end device.
You can scroll through the test book.



There are also three icons in the logbook.

- Filter the logbook
- Enter carried out maintenance
- Download the logbook

6.5.1 Filter the logbook

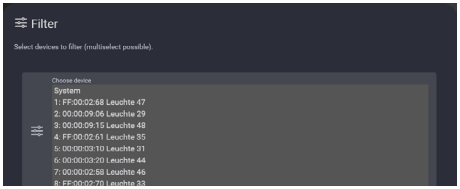


Fig. 24: “Filter the logbook”

Here you can select and filter individual devices as required.

6.5.2 Logbook maintenance

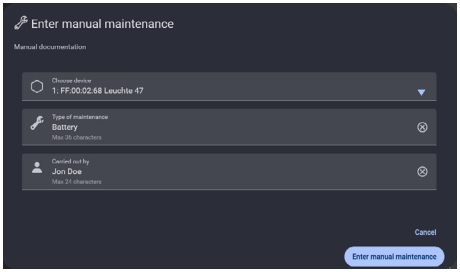


Fig. 25: “Logbook maintenance”

Maintenance carried out on the entire system or individual devices (pull-down menu selection) can be documented in the logbook here.
Customised texts can also be entered here if required.
The service must also be confirmed by the technician (mandatory field).

6.5.3 Logbook download

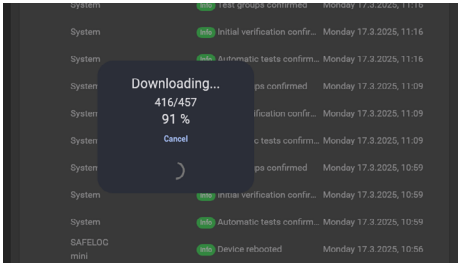


Fig. 26: “Download logbook”

You can download the data from the SAFELOG mini to an end device and then temporarily save and analyse the CSV file there.

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6.6 Menu “Test menu”

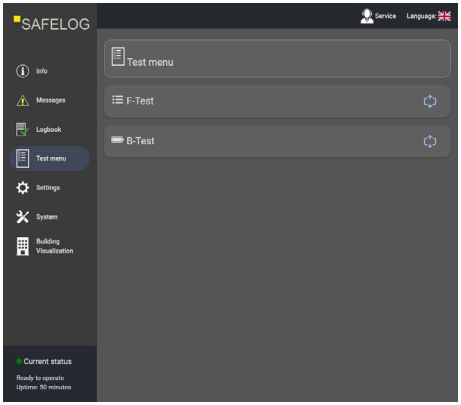

Fig. 27: Menu “Test menu”

The corresponding test can be selected via the points and started manually if required.

6.6.1 Function test

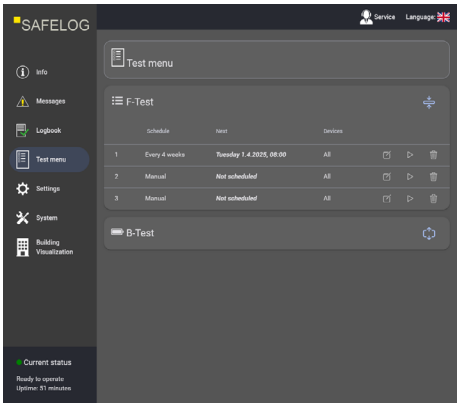

Fig. 28: Menu “F-Test”

You can start the function test manually in this screen. You can also configure the settings for the automatic function test for all devices or groups.
You can open the configuration for this via the “Edit” icon.
By default, SAFELOG mini tests all devices once a month.

6.6.1.1 Configuration of the function test

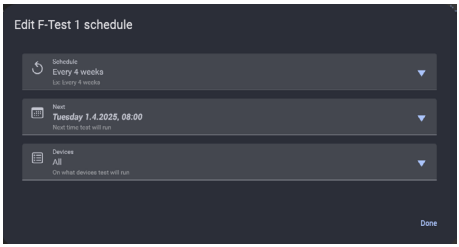

Fig. 29: "Test scope Function test"

In this screen you have the option of selecting whether a manual, weekly or monthly function test should be set.
For programming, open the "Edit" ICON
In addition, the test time and the selection of devices (All, Group 1 or 2) can be selected.
You can also specify only individual points of the selection (time / group).

6.6.1.2 Manual function test

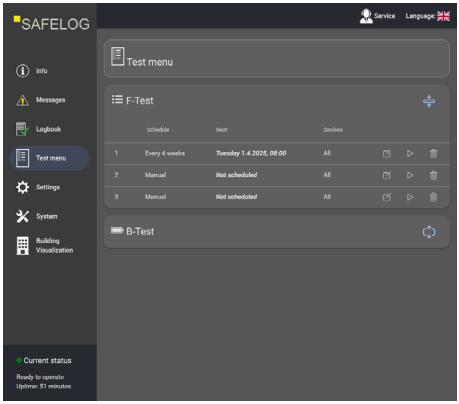

Fig. 30: "Selection Function test"

In this screen, you can select whether you want to start the manual function test for all devices or the selection of individual groups. It is started via the "Play" ICON
You can select the variant recommended for the test from the three variants.

6.6.2 Battery duration test

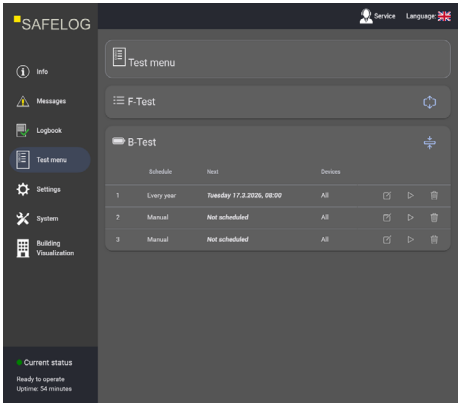

Fig. 31: “Menu Battery duration test”

You can start the duration test manually in this screen. You can also configure the settings for the automatic function test for all devices or groups.
You can open the configuration for this via the Edit icon.
By default, the SAFELOG mini tests all devices once a year.

6.6.2.1 Configuration of the battery duration test

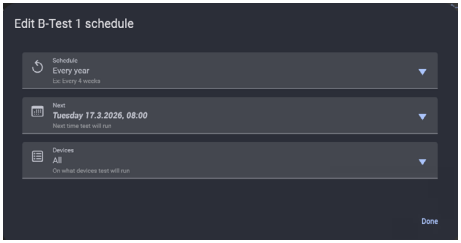

Fig. 32: “Test scope battery duration test”

In this screen, you have the option of selecting whether a manual, semi-annual or annual duration test should be set.
To program, open the “Edit” ICON
You can also select the test time and the selection of devices (All, Group 1 or 2).
You can also specify only individual points of the selection (time / group).

6.6.2.2 Manual battery duration test

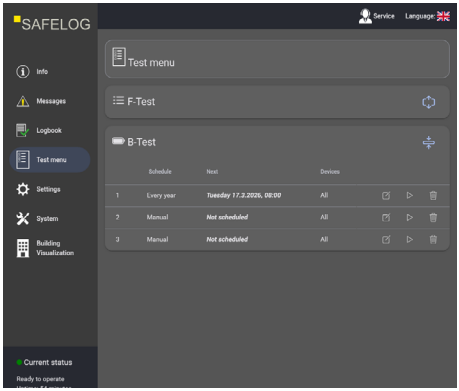

Fig. 33: “Selection battery duration test”

In this screen, you can select whether you want to start the manual duration test for all devices or the selection of individual groups. The test is started via the “Play” ICON ▷
You can select the variant recommended for the test from the three variants.

6.7 Menu “Settings”

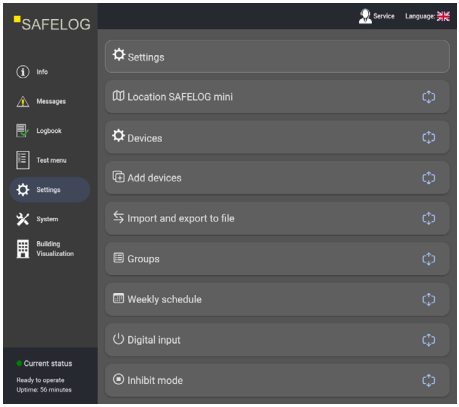

Fig. 34: Menu “Settings”

You can select the following points:

- Location SAFELOG mini
- Devices
- Add devices
- Import and export to file
- Groups
- Weekly schedule
- Digital input
- Inhibit mode

6.7.1 Location SAFELOG mini

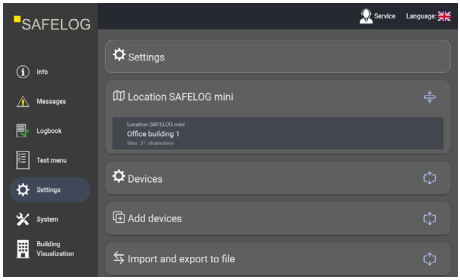

Fig. 35: “Enter location”

The default value here is “SAFELOG mini” as the location.
You can customise the device location by selecting this menu item.
The input is limited to 31 characters.

6.7.2 Devices

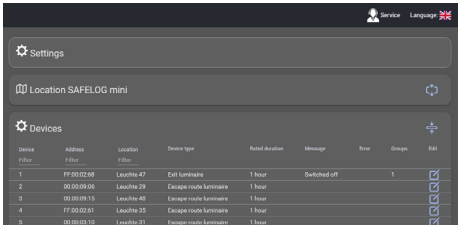

Fig. 36: “Selection Devices”

Here you will find an overview of all devices registered in the SAFELOG mini.
You can use the filter functions to search through the columns as required.
The device can be selected in the overview using the “Edit” icon.

6.7.2.1 Edit device

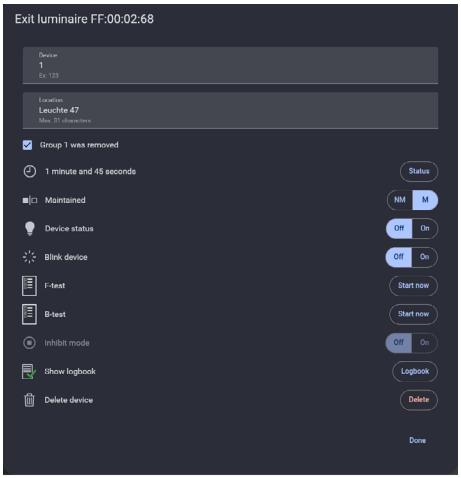

Fig. 37: “Function device”

A selection opens showing which functions are available on the device.
The following functions are available for selection:

- Position number
- Location text (max. 31 characters)
- Group assignment
- Status of the wireless connection
- Device in NM or M mode
- Device status Off / On
- Blink device
- Start function test
- Start battery duration test
- Activate inhibit mode, if the electronics support the function
- Device logbook
- Delete device

6.7.3 Add devices

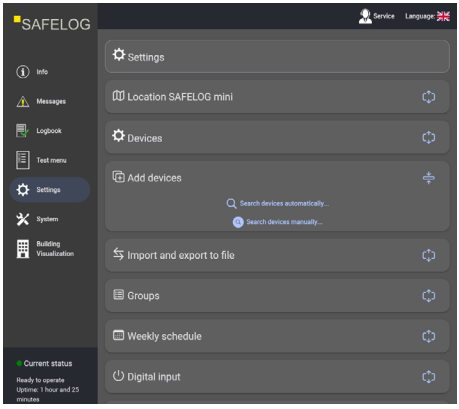

Fig. 38: “Add devices”

There are two ways to add devices to the system:

- Search devices automatically
- Search devices manually

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6.7.3.1 Search devices automatically

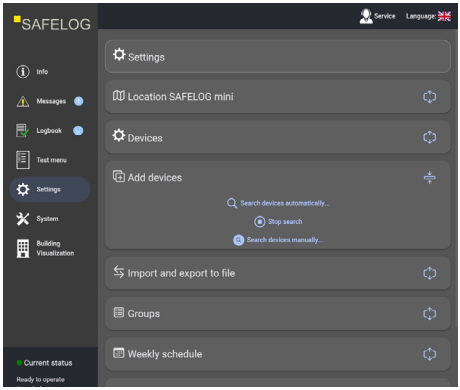

Fig. 39: Automatic search

This function is used to search for all devices that are not yet registered on the SAFELOG mini. The search can be cancelled with the “End search” command. The automatic search is active for a maximum of 15 minutes.

6.7.3.2 Search devices manually

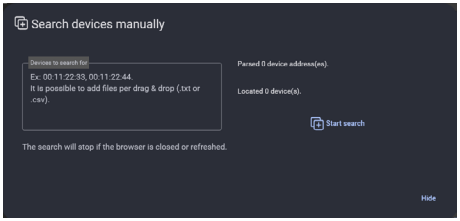

Fig. 40: Manual search

With the manual search, you can search specifically for individual devices.
You can enter the addresses of the devices manually in the field. It is also possible to insert a file (TXT or CSV) via drag & drop.

The structure of the address is important when entering it. The address consists of 8 characters (0-F, after two characters there is a separation with ‘:’, e.g. “XX:XX:XX:XX”

6.7.4 Import / export data

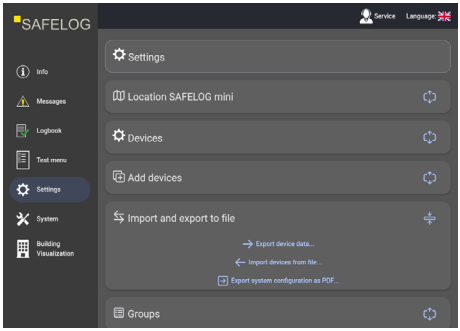

Fig. 41: Import / export data

The SAFELOG mini has the option of reading in the locations and groups as a file or saving them using the export function. The data is exchanged via the end device. A CSV file is used as the format.
It is also possible to export the system configuration (overview) as a PDF file.

	A	B	C	D	E	F	G	H	I
1	#Circuit	ID	Address	Location	Groups	Only "ID", "Location" and "Groups" can be modified!			
2	W		1 FF:00:02:68	Leuchte 47	1				
3	W		2 00:00:09:06	Leuchte 29					
4	W		3 00:00:09:15	Leuchte 48					
5	W		4 FF:00:02:61	Leuchte 35					
6	W		5 00:00:03:10	Leuchte 31					
7	W		6 00:00:03:20	Leuchte 44	2				
8	W		7 00:00:02:58	Leuchte 46	1,2				
9	W		8 FF:00:02:70	Leuchte 33					
10	W		9 00:00:03:09	Leuchte 37					
11	W		10 FF:00:03:14	Leuchte 30					
12	W		11 FF:00:02:63	Leuchte 32					
13	W		12 00:03:33:E8	Leuchte 19					
14	W		13 FF:00:02:55	Leuchte 9					
15	W		14 00:00:07:69	Leuchte 26					
16	W		15 00:00:03:11	Leuchte 23					
17	W		16 FF:00:03:12	Leuchte 10					
18	W		17 00:00:03:16	Leuchte 16					

Fig. 42: CSV file

To make it easier to enter the locations, you can read out the data from the end device (export) and then edit the location of the individual devices on the PC / laptop.
After editing the data, you can import the data into SAFELOG mini using the “Import devices from files” button.

6.7.5 Groups

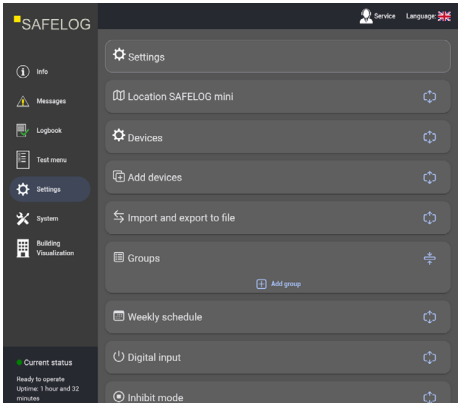

Fig. 43: Add groups

You can create up to 7 groups inside the SAFELOG mini. You can add a new group via the “Add group” line.
Each device can belong to several groups (max. 7).

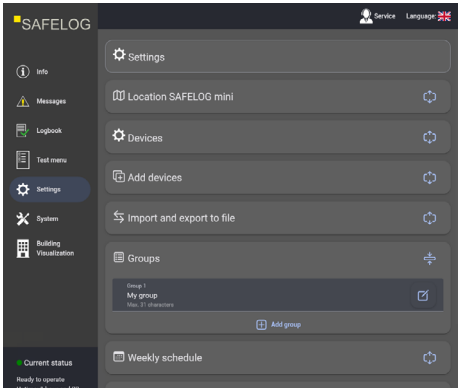

Fig. 44: Group description

Each group can be assigned an individual name if required. The input is limited to 31 characters.
The group can then be created / edited using the Edit icon.

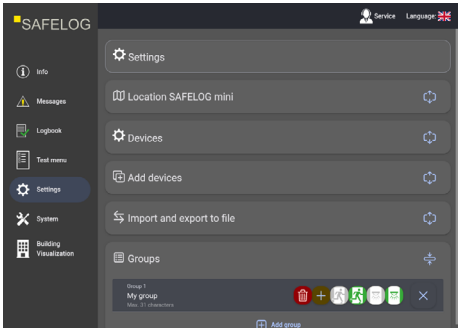

Abb. 45: Add devices to group

Devices can be added to the group directly here using the “plus” icon.
The symbols with the devices allow the devices in the groups to be switched separately (test purposes).
Individual groups can be deleted using the rubbish bin.
Please note that the group assignment of the devices is still retained.

6.7.6 Weekly schedule

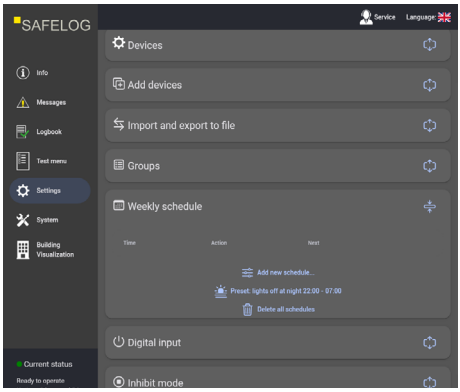

Fig. 46: “Weekly schedule”

In the “Weekly schedule” menu item, you can programme various time functions for the system. There are 20 timers available for this programming.

The following functions are available:

- No action
- Switch maintained on
- Switch maintained off
- Switch non-maintained on
- Switch non-maintained off
- Switch maintained on Group X
- Switch maintained off Group X
- Switch non-maintained on Group X
- Switch non-maintained off Group X

6.7.6.1.1 Settings weekly schedules

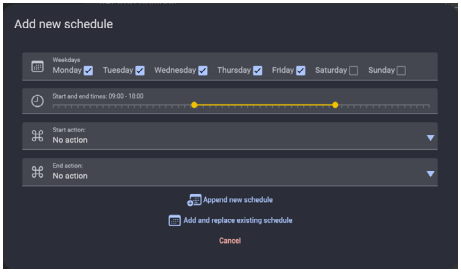

Fig. 47: "Add new schedule"

Firstly, the time and day are set in this screen. In the next step, the desired action (start) can be set and the end of the desired action can be set in the lower field.

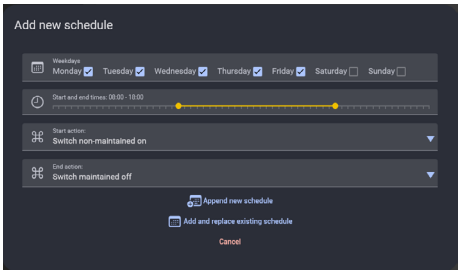

Fig. 48: “Append new schedule”

Finally, the schedule is added using the “Append new schedule” function or schedules can be overwritten.

6.7.6.1.2 Edit schedules

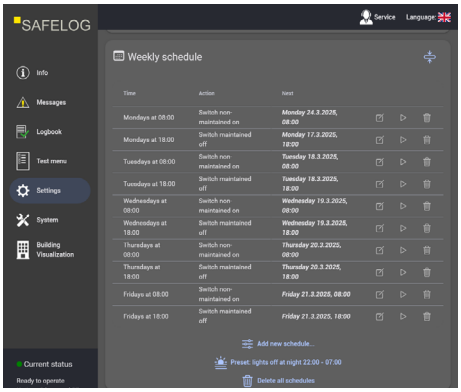

Fig. 49: “Overview schedules”

The schedules created in this way can be edited, started or deleted as required. Simply select the corresponding “Edit” icon for the schedule and make the desired changes. It is also possible to delete all schedules.

6.7.7 Digital input

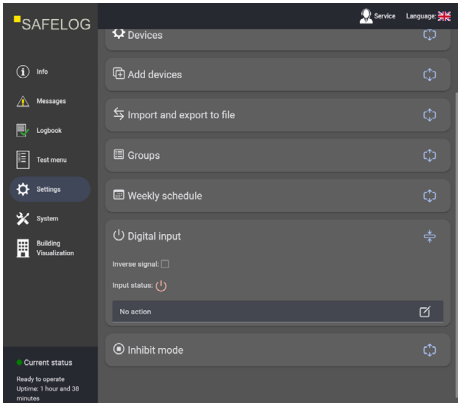

Fig. 50: “Digital input”

The SAFELOG mini has a digital input. If required, the “Inverse signal” function can be activated. This “Inverse signal” enables switching in the absence of an input signal and monitors the input signal. The desired action can be activated via the “Edit” icon.

The following functions are available:

- External error – Errors from external devices / third-party devices can be displayed
- Inhibit mode
- Switch maintained
- Switch non-maintained
- Fire alarm contact
- Switch maintained Group X
- Switch non-maintained Group X

6.7.8 Inhibit mode

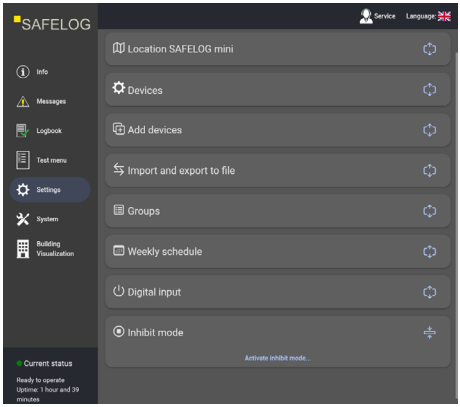

Fig. 51: Inhibit mode

The inhibit mode function can be activated on the SAFELOG mini via the web browser during idle times.

6.8 Menu “System”

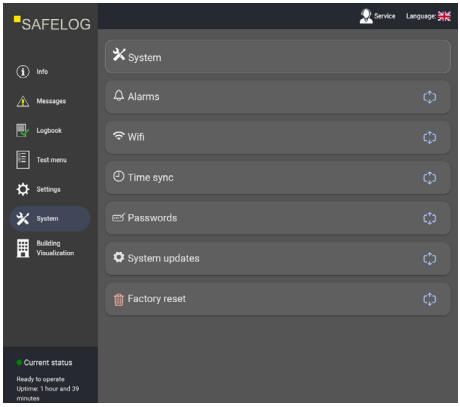

Fig. 52: System

In the “System” menu item screen, you can make settings that affect the SAFELOG mini.

6.8.1 Alarms

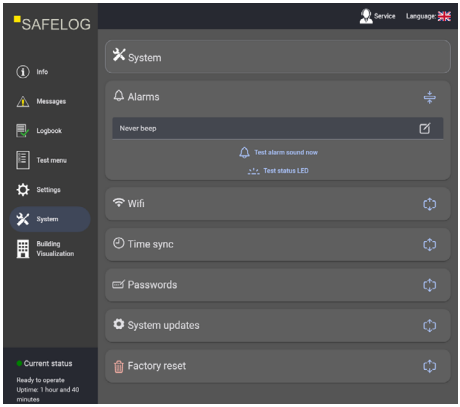

Fig. 53: Settings Alarms

The SAFELOG mini has an acoustic error message. The alarm is activated via the “Edit” icon.

The alarm remains until it is acknowledged on the SAFELOG mini, see chapter 6.1 - Operation on the SAFELOG mini.

The following points are available for the notification:

- Never beep – no acoustic notification
- Beep every minute – the alarm is repeated every minute (10 times)
- Beep every hour – the alarm is repeated every hour (10 times)
- Beep every 6 hours – the alarm is repeated every 6 hours (10 times)

If another error message occurs, the alarm starts again and must then also be acknowledged again.

6.8.2 WiFi - Network settings

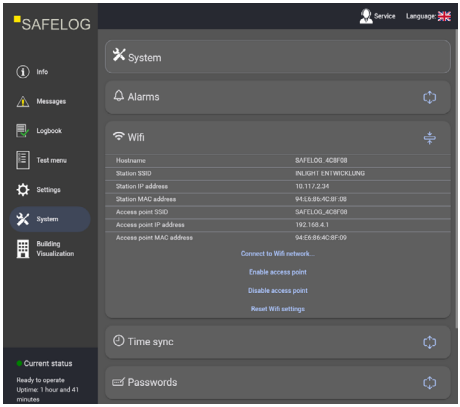

Fig. 54: Menu “WiFi”

Here you can view the network settings and change them if necessary. The SAFELOG mini has its own WiFi system and can also be integrated into an existing WiFi system at the same time.

The following functions are available here:

Connect to WiFi network	• Integration into an existing WiFi network on site
Enable access point	• use the WiFi network of the SAFELOG mini and connect to the end device
Disable access point	• switch off the WiFi network of the SAFELOG mini, there is no direct connection to the end device
Reset WiFi settings	• delete the connection to an existing WiFi network on site

6.8.2.1 Connect to WiFi network

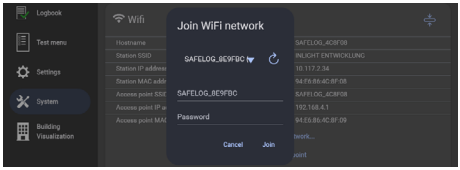

Fig. 55: Connect to WiFi

A window will appear in which you can select a WiFi network (arrow) and then connect by entering your password.

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6.8.2.2 Enable access point

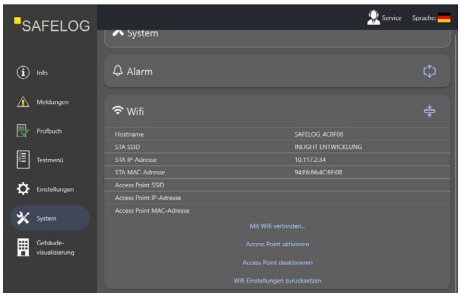

Fig. 56: Enable access point

If you are connected to the network, you can set up an additional WiFi network and connect directly to the end device.

6.8.2.3 Disable access point

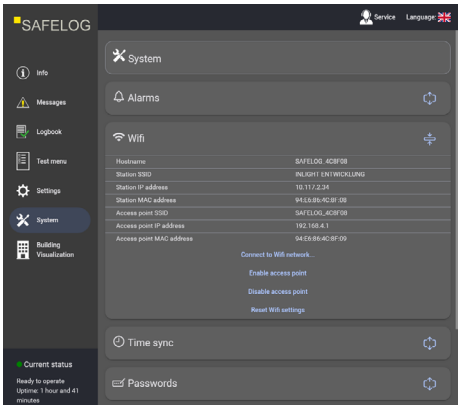

Fig. 57: Disable access point

If you have connected the SAFELOG mini to a WiFi network, you can close the access point on the device. The SAFELOG mini can then be accessed via the WiFi network.

6.8.2.4 Reset WiFi settings

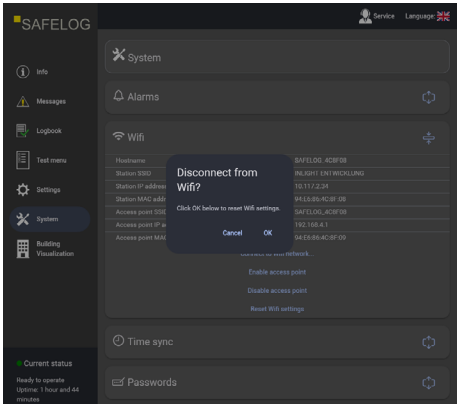

Fig. 58: Reset WiFi settings

You can disconnect the WiFi connection between SAFELOG mini and the WiFi network under this menu item.

6.8.3 Time sync

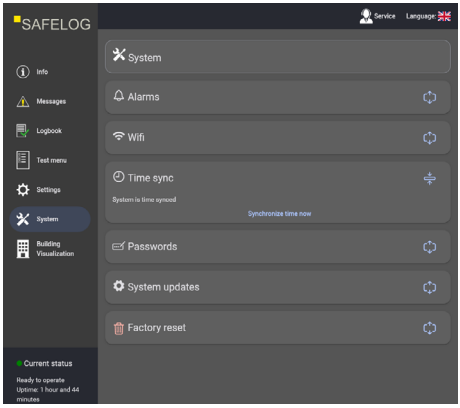

Fig. 59: “Time sync”

In this screen you can set the date and time. The data is automatically synchronised with the data of the network / end device.

6.8.4 Change passwords

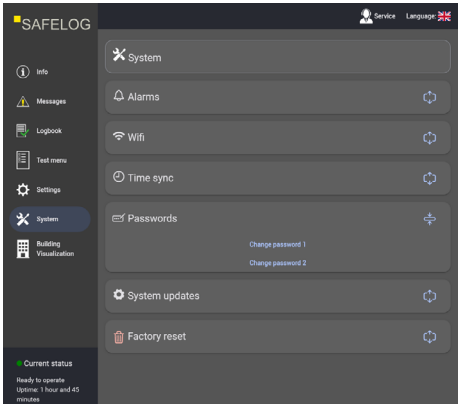

Fig. 60: "Change passwords"

You can change all existing passwords in this screen. Simply select the desired password and enter the new password.

Password 1 = **Access to the main menu (Level 1 factory setting: "0000")**

Password 2 = **Access to advanced settings: Test menu and system settings (Level 2 factory setting: "1234")**

6.8.5 System updates

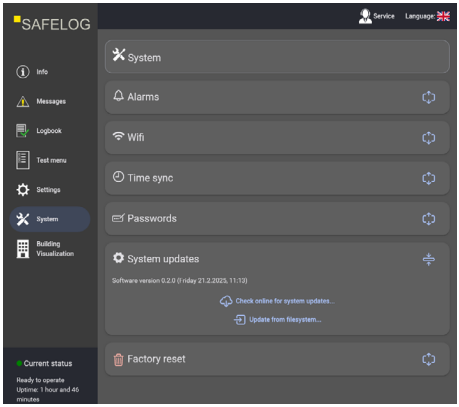

Fig. 61: "System updates"

You can install an update for the SAFELOG mini here. If an update is available, the information will be displayed on the web browser screen after you have called up the address.
The update can be activated and loaded directly via the web. Alternatively, you can also install the update via a file.
You can insert the file using drag and drop if you select this option.

6.8.6 Factory reset

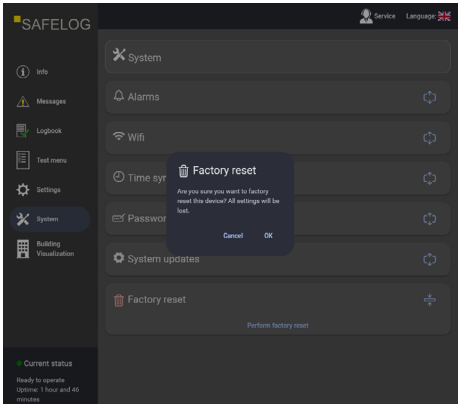

Fig. 62: "Factory reset"

All programmed values and data are deleted and the default values from the delivery status are entered. After activation, the SAFELOG mini must be recommissioned.

6.9 Menu “Building Visualization”

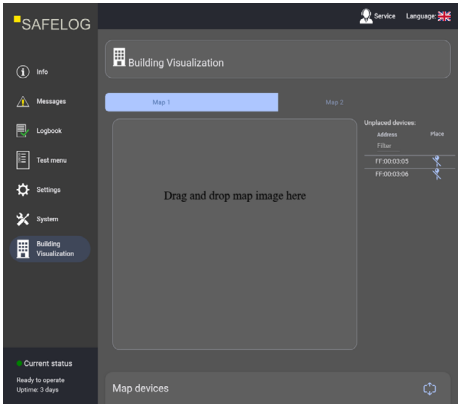

Fig. 63: Building Visualization

Building plans relating to the SAFELOG mini can be imported in the “Building visualization” menu item screen.

6.9.1 Add / change maps

Fig. 64: Add maps

Two maps can be saved in the SAFELOG mini. The data can be saved in PDF, JPG and PNG format. The data can only be inserted using drag & drop.
It is not possible to delete the maps, they can only be overwritten, i.e. a new map can simply be inserted into the visualization of the building.

6.9.2 Add / remove devices

Fig. 65: Add devices

To insert a device, select the desired device from the list on the right-hand side by clicking on the flag there. Then click to position the device at the desired location in the building plan.
If the position of the device is not correct, you can actively move the device by selecting and moving it.

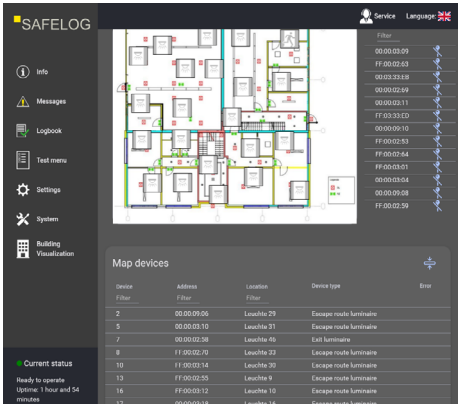

Fig. 66: Overview devices

All devices in the building map are listed below in the “Map devices” list.
To remove a device, select the device. Drag it downwards from the building plan.

EN

6.9.3 Notifications inside the building visualization

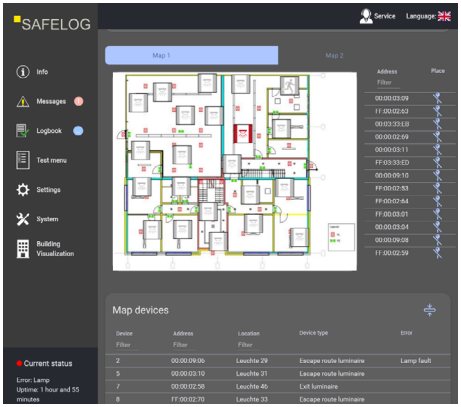

Fig. 67: Device notification

In the event of an error, the SAFELOG mini reports the error visually in the building visualization.
The symbol in the visualisation changes to “yellow” for battery operation and “red” for faults.

The exact description can be found below in the “Map devices” list under Errors.

6.10 Service

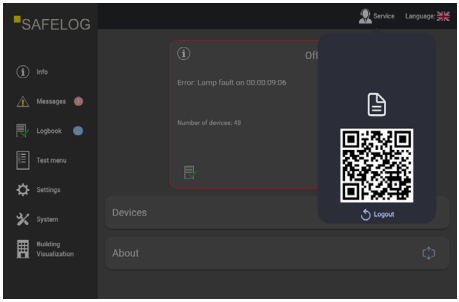

Fig. 68: Service

Here you will find the contact details, including address and telephone number, of the service.
You can use the QR code provided to download the installation and conditions manual to your mobile device.

6.11 Language

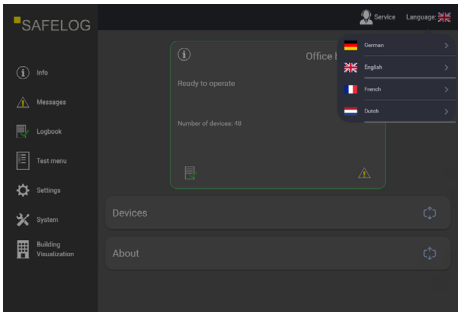

Fig.69: Change language

Here you can choose between the different languages. After changing the language, the SAFELOG mini switches over.
Please note that the texts entered for the locations etc. are retained. If necessary, the texts must be changed manually.

7. Maintenance of the System

The SAFELOG mini is to be tested on the basis of the nationally valid regulations and provisions. The following details claim to be complete (subject to technical modifications).

7.1 Initial inspections of the installation

The SAFELOG mini is to be tested on the basis of the following standards once set-up and installed:

- Examination of the lighting figures, EN 1838, DIN 5035-6
- EN 50172, VDE 0100-600, VDE 0100-560, VDE 0100-718, VDE 0108-100

7.2 Recurrent inspections

Recurrent inspections of the electrical system are for the sake of safety. The recurrent inspections are to be carried out along the lines of the nationally valid provisions. The checks are to be logged in the test logbook of the SAFELOG mini with both date of the inspection and the result. An automatic testing appliance must comply with EN 62034.

Following an operating duration test, the battery does not have its full capacity available up to renewed charging and there is a risk of the power supply failing. Tests lasting for some appreciable time (battery duration test) are only to be carried out when risks are low or securing steps are initiated up to when battery charging is complete.

7.2.1 Daily inspections

A ready-to-operate state of the system is to be ensured from a daily visual check of the device. The SAFELOG mini need not be directly examined when during the operating-required time its state at a constantly monitored point is reported on.

The following states are to be signalled:

- Ready to operate
- Battery operation
- Failure

7.2.2 Weekly inspections

A switch-over to the power source is to be done on a weekly basis for safety considerations and a test made on the function of the consumers for the emergency lighting. An automatic testing appliance to be used must comply with EN 62034. Carry out a function test on the SAFELOG mini to examine the switch-over and devices.

7.2.3 Monthly inspections

The function test must include a simulation of the power supply outage of the general lighting. Every consumer of the emergency lighting is to be operated in the battery operation during the function test and every one checked for proper functioning. Power supply to the general lighting is to be restored after the inspection. Then check on operation of the monitoring unit for the SAFELOG mini.

7.2.4 Yearly inspections

The yearly inspection must not be automatically triggered!

Along with the inspections under “Monthly inspections” the following ones are to be carried out every year:

The rated duration of the system (operating duration test) is to be inspected on a yearly basis. This involves the SAFELOG mini examining each self-contained luminaire consumer as regards the required operating duration and it must be ensured that the consumers are present, clean and operable. The general lighting power supply needs to be restored and the consumer charging units checked for proper functioning. The required inspection (operation duration test) is to be done on the SAFELOG mini.

7.2.5 Inspections every three years

Every 3 years at the latest the illuminance of the emergency lighting is to be tested on the basis of EN 1838.

7.3 Protocols on recurrent inspections (Test protocols)

Recurrent test findings are to be documented in the test logbooks. The documentations are to be kept for at least 5 years. The operator of the safety unit is responsible for organizing and monitoring all the tests.

All work on the system is to be recorded in the protocol and presented, if required.

8. Appendix

8.1 Fault notifications and failure correction

Given that you have problems with the SAFELOG mini system or the system indicates failures, you can proceed as described in the following sections according to the type of problem / failure.

8.1.1 Missing devices

The fact of devices not being found during an automatic search can have various causes.

Using the device position list created during installation, you can determine which devices have not been found by the SAFELOG mini and then establish the position of these devices.

Thereupon please check the following points:

- Does the SELF-LED light up green? If it does not: Is there a problem with the mains supply of the devices?

8.1.2 Error messages

The SAFELOG mini constantly monitors the connected devices as to their function both constantly and within the scope of the regularly performed tests. In this context, the following failures can occur, which can in turn be eliminated as described:

Error message	Monitoring interval	Meaning of the error	Elimination of the error
Battery circuit	constantly	The battery has been removed or is defective.	Exchange the defective battery and then reset the electronic*.
Communication	constantly	Connection with the device has been interrupted.	Check the mains supply and then reset the electronic*.
Battery capacity	Battery duration test	The battery capacity is insufficient for the required battery time to be attained.	Exchange the defective battery and then reset the electronic*.
Lamp fault	Function test	A failure has been detected in the lighting element.	Check the connection to the LED lighting element. If the connection is OK, exchange the LED lighting element. If the lighting element works again after that, manually carry out F-test so as to reset the failure.
Battery operation	constantly	The mains supply of the device has been Interrupted.	Check the mains supply

* A RESET of the luminaire electronics is performed by de-energizing the electronics for at least 5 seconds by removing the accu and disconnecting the mains supply.

8.1.3 Other errors

Error messages	Possible cause
Device does not light up even though no failure is indicated.	**1.** Possibly an F-test has not yet been performed which could have detected a defective illuminant. Conduct a manual F-Test to check whether the failure is then reported. **2.** Is the luminaire in question a safety luminaire? All safety luminaires are delivered from the factory in non-maintained mode. As described under "Edit devices", the operating mode of the device can be changed.
An exit luminaire cannot be switched to non-maintained mode by the SAFELOG system.	Check whether a jumper has been inserted between "L" and "L´" on the luminaire electronics and remove it, if necessary.

8.1.4 SAFELOG device is off

If the system does not turn on, first check the mains supply. If the mains supply is OK, the internal fuse may be defective (e.g., due to overvoltage). Please contact Customer Service as soon as possible.

8.2 Replacing devices

The following points must be observed in order to correct failures and retain the data specified on them (Bus circuit and consumer number):

1. The defective device must be deleted in the SAFELOG mini before its removal. In the case of several defective devices, repeat the procedure individually.
> Main menu: Settings -> Devices -> Edit
Deleting the device ensures that the new device will later receive the space that has become available in the list of devices as a result.

2. The new device can be installed after removing the defective device.

3. This must be followed by a device search in the SAFELOG mini:
> Main menu: Settings -> Add devices.

4. The device position list should be refreshed after changing the device. The new device has a specified, unmodifiable hardware address and for this reason the new address label should be affixed over the old one in the list.

5. We recommend performing another backup of the system configuration after the tasks have been completed: > Main menu: Settings -> / Import and export to file -> Export device data / Export system configuration as PDF.

IMPORTANT:
A service entry shall be made in the test logbook if changes have been made to the SAFELOG mini: > Main menu: Logbook.

As of: January 2025
Subject to technical modifications, mistakes, sentence errors, printing errors and printing-induced colour variations.

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SAFELOG