Escape route technology

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FT-Manager

effeff
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Operating instructions

D0125501

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EN

Read this manual thoroughly before use and keep it in a safe place for later reference. The manual contains important information about the product, particularly for the intended use, safety, installation, use, maintenance and disposal.

Hand the manual over to the user after installation and pass the manual on to the purchaser together with the product if the product is sold.

A current version of these instructions is available online:
https://aa-st.de/file/d01255

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General description

Brief description

FT Manager is software installed on *TSB Controller 970-TSBC-20*.

FT Manager is a software application that can be used on a PC to enter and configure all existing escape route technology devices in a network.

It is a web-compatible user interface which can be operated on all standard PCs using an internet browser (Internet Explorer version 7 and above, Mozilla Firefox version 3 and above).

About this manual

This manual was written for electricians and appropriately trained personnel. The manual was designed to enable you to install and operate the device safely and make full use of the permitted range of applications the control terminal has to offer.

All the system-specific data shown in the diagrams and images below serve as examples and are there to help you understand more easily.

Meaning of the symbols

Danger!

Safety notice: Failure to observe these warnings will lead to death or serious injury.

Warning!

Safety notice: Failure to observe these warnings may lead to death or serious injury.

Caution!

Safety notice: Failure to observe these warnings may lead to injury.

Important!

Note: Failure to observe these warnings can lead to property damage and impair the function of the product.

Note!

Note: Additional information on operating the product.

Prerequisites

- *TSB Controller 970-TSBC-20* must be installed and configured (see separate user manual).
- An Internet browser (Internet Explorer version 7 or later, Mozilla Firefox version 3 or later) must be installed on your PC.
- The network connection must be configured.

Launch FT Manager

https:\\1.1.1.1

1 Start your Internet browser and enter the following URL (factory setting): https:\\1.1.1.1 or the individually configured URL.

⇨ A security notice will appear (Fig. 1).

Note!

The security certification encrypts communication between the computer and the ***970-TSBC-20***. This security certification is trustworthy, but Internet Explorer is not yet familiar with it.

2 You will therefore need to select Continue to load this website ... (Fig. 1 – ❶).

⇨ You have launched *FT Manager*.

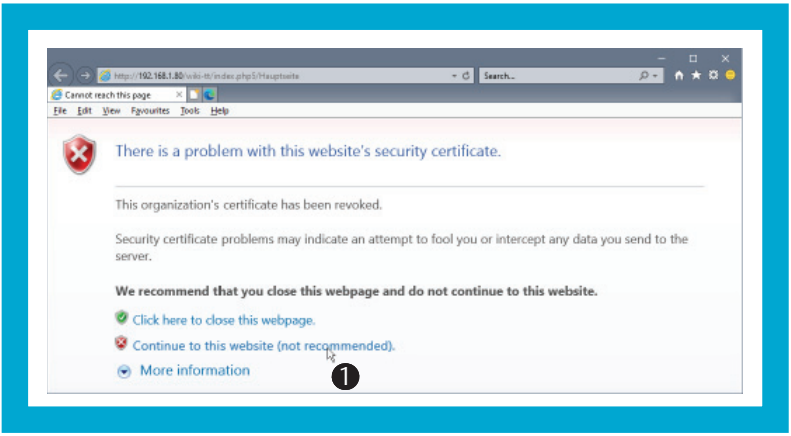


Fig. 1: Safety notice

Menu interface

The *FT Manager* menu interface is designed in such a way that all information and functions can be quickly and easily selected.

Operation is intuitive, thus enabling you to implement all *FT Manager* functions quickly and easily.

❶	Menue / Navigation bar	❷	Current navigation path
❸	· Log in / log out · Language selection · Help	❹	Information and configuration section
❺	Version		

Fig. 2: FT Manager menu interface

Password protection

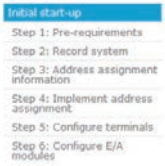
If you use the *FT Manager* automatic log-in (factory setting), you don't need to enter a user name and a corresponding password to start the programme.

If the automatic log-in is deactivated, you will need to enter your user name and the corresponding password.

Fig. 3: Automatic log-in

Factory setting:

- User: Administrator
- Password: Admin



Only 6 steps

Initial start-up for *FT Manager* takes six steps to complete.

Just work through these steps one after the other. The escape route securing system is then ready for use.

You can specify individual configuration settings whenever required at a later date.

Step 1: Create prerequisites

There are a few pre-requirements necessary to ensure correct configuration (Fig. 4).

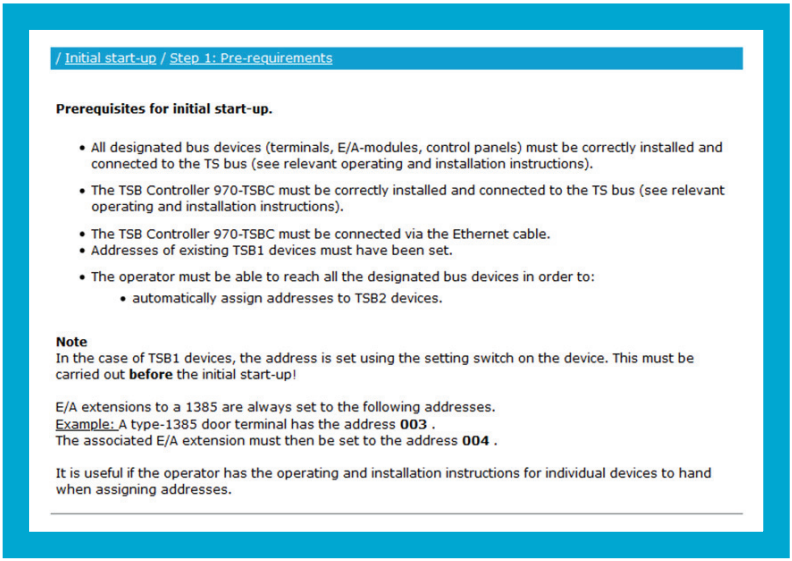


Fig. 4: Check prerequisites

1 Check that all the listed prerequisites are met (see description on monitor).
2 When all prerequisites are fulfilled, click on Continue .

⇨ You have created the prerequisites.

Dependencies in address allocation

Tab. 1: Dependencies in address allocation

Address/ address range	Device	Info
Stand alone - configuration and operation		
1	1385/720-40/-42	Address 1 is mandatory for pairing with an I/O extension.
2	901-20	
Networked application		
1 ... 111	1385/720-40/-42	When the controller allocates an address, the first free address is always assigned.
	1338-20/-21 1340-20/-21 1370-30/-32 901-50	Manual address allocation
	925 panel	Switch the panel to *slave* mode and set the desired address manually.
	Pairing of 1385/720-40/-42 with 901-20	In case of pairing: Assigns an odd address. An even address immediately follows. Example: Address 1and 2 Address 49 and 50 **Tip:** With the controller switched off, enter the addresses of the devices to be paired manually.
112	Reserved	
113 ... 121	901-20	To supplement I/O 970-TSBC-20
122 ... 126	Reserved	
127	Reserved	This address is used by the TS bus controller to allocate addresses.

Step 2: Enter system

The second step is where the system must enter all system components.

1 Start *the 'Enter system'* step.

⇨ The automatic system analysis is running.

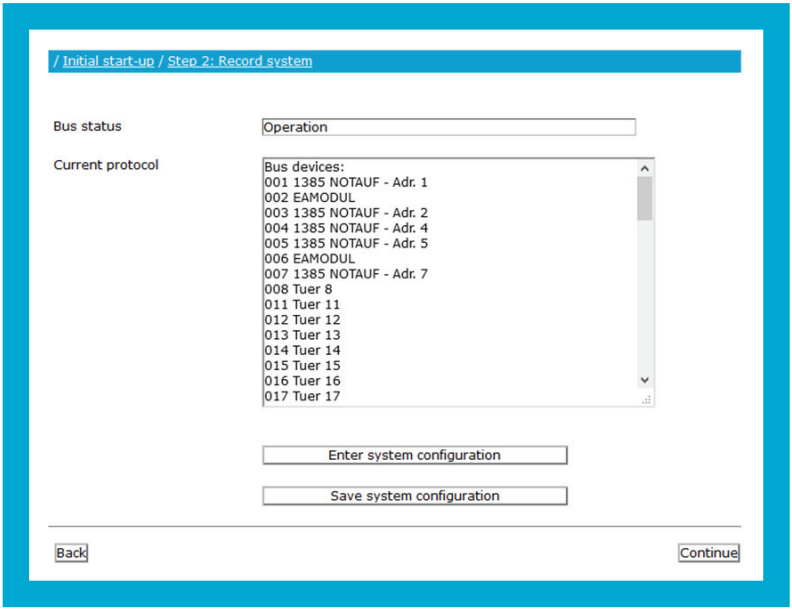
⇨ *FT°Manager* will enter all devices which are connected to the TS bus and have already been assigned an address.

⇨ When the bus scan is completed, you will receive a message.

2 Click OK to confirm.

⇨ All detected devices and all messages are now entered in the CURRENT PROTOCOL list. Newly installed TSB2 devices will not be shown at this stage.

Fig. 5: Bus status and list of all entered devices, addresses, notifications, messages and error messages



3 Now check in the window shown above whether all devices, doors etc. are present.

4 Also check that everything is working correctly and free of errors.

If not all configured devices are listed or if there are errors:

5 Correct the errors, before restarting the system entry process and saving.

If all configured devices are listed correctly:

6 Click on Save system configuration to save the data

⇨ You will get a brief security query asking whether you are sure that the entered system configuration should be saved (Fig. 6).

Important!

You need to wait for this security query (Fig. 6) to appear as otherwise correct functioning cannot be guaranteed.

7 Confirm the security query.

⇨ The entered system configuration is saved once the security query is confirmed.

Note!

Any bus devices previously entered *offline* will not be saved.

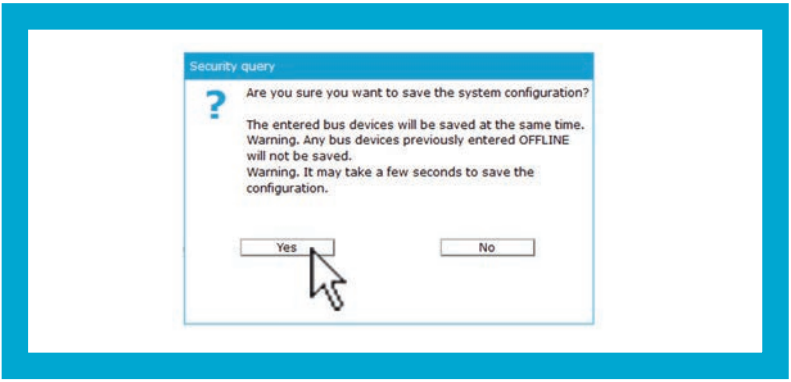
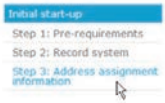


Fig. 6: Security query



Step 3: Address assignment information

In this step, you will be informed about the address allocation on the connected TSB2 devices.

The procedure is shown in the window below.

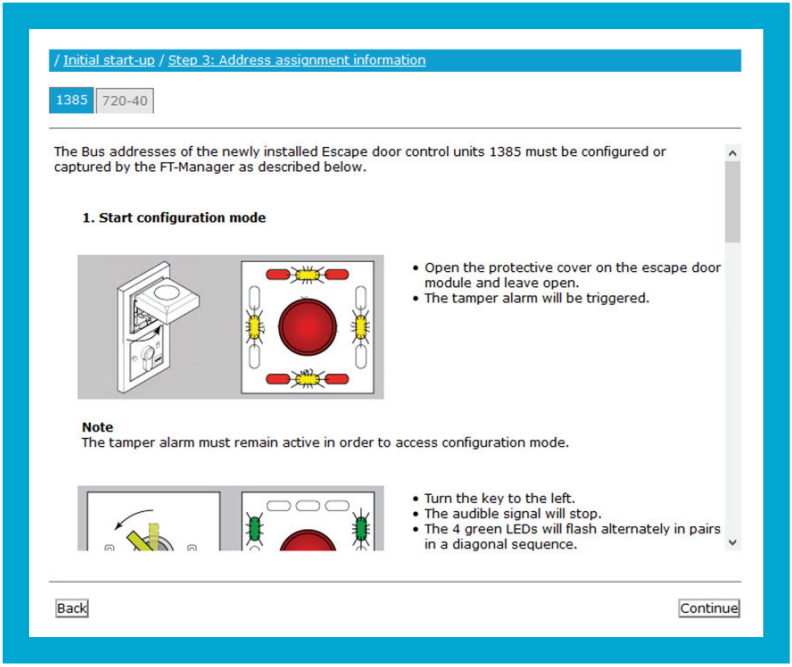


Fig. 7: Address allocation procedure

Address allocation on the escape door control terminal

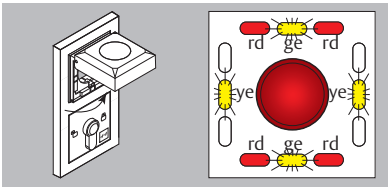
Proceed on the TSB2 device as follows:

1 Starting configuration mode (page 17).
2 Request a TSB address (page 18).
3 Exit configuration mode (page 18).

⇨ You have assigned an address.

After you have assigned an address to all newly installed TSB2 devices, you must let *FT Manager* enter them automatically in the next step („Step 4: Implement address assignment“, Seite 21).

1. Starting configuration mode

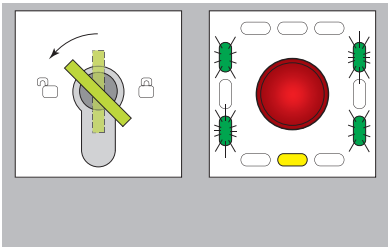


1 Open the protective cover on the escape door module and leave open.

⇨ The tamper alarm will be triggered.

Note!

The tamper alarm must remain active in order to access configuration mode.

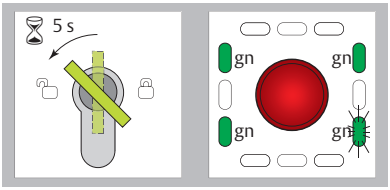


2 Turn the key to the left

⇨ The audible signal will stop.

⇨ The 4 green LEDs will flash alternately in pairs in a diagonal sequence.

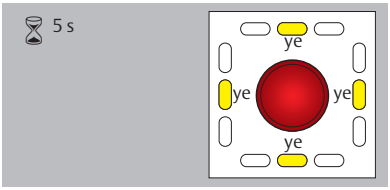
⇨ The lower yellow LED will light up.



3 Turn the key to the left and hold for five seconds.

⇨ Three green LEDs light up.

⇨ The lower right-hand green LED flashes.

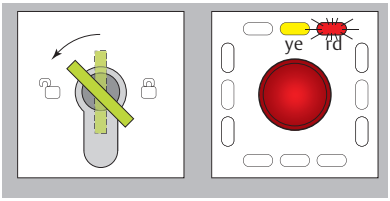


⇨ The display will change after five seconds.

⇨ The four yellow LEDs light up.

⇨ The configuration mode is now switched on.

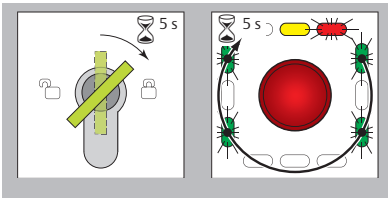
2nd Request TSB address



4 Turn the key nine times to the left until the following LEDs light up/ flash.

⇨ The upper yellow LED lights up.

⇨ The red LED at the top right flashes



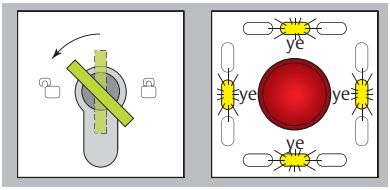
If the device is online:

5 Hold the key to the right for five seconds.

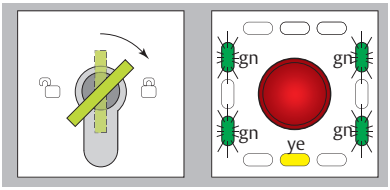
⇨ The address is requested.

⇨ A long audible signal is emitted when the address is identified.

3. Ending configuration mode



6 Turn key to the left twice until the four yellow LEDs flash.



7 Turn the key to the right to end the configuration mode.

8 Close the protective cover again.

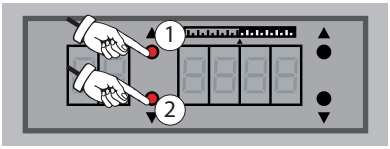
Escape door control unit 720-40

Proceed on the TSB2 device as follows:

1 Starting configuration mode (page 19).
2 Request or set the TSB address manually (page 19).
3 Exit configuration mode (page 20).

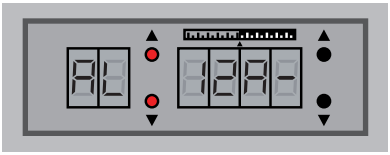
⇨ You have assigned an address.

1. Starting configuration mode

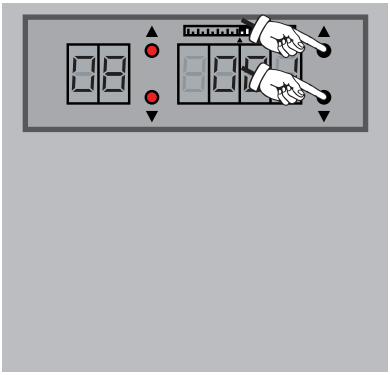


1 Press menu button 1 or 2.
⇨ Configuration mode starts and the alarm indicator follows.

2nd Request TSB address



2 Press the lower menu button eight times to display menu 08.
⇨ The currently set address is displayed (1 to 127).



3 Use the value keys to set the desired address.

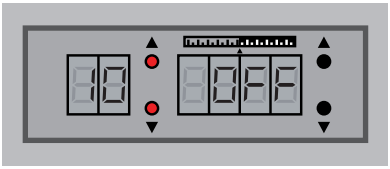
If the device still has the factory setting (no address yet allocated):

3.1 Hold down both value buttons at the same time for at least five seconds.
⇨ An address request is triggered.
⇨ The value indicator ---- flashes.
⇨ The TSB controller issues and displays a new address.

Note!

If no new address is issued by the TSB controller within 50 seconds, the original address is re-accepted (value indicator with address value flashes).

3. Ending configuration mode



4 Use any menu key to select menu 10.

5 Press any value button

⇨ The device switches to operating mode

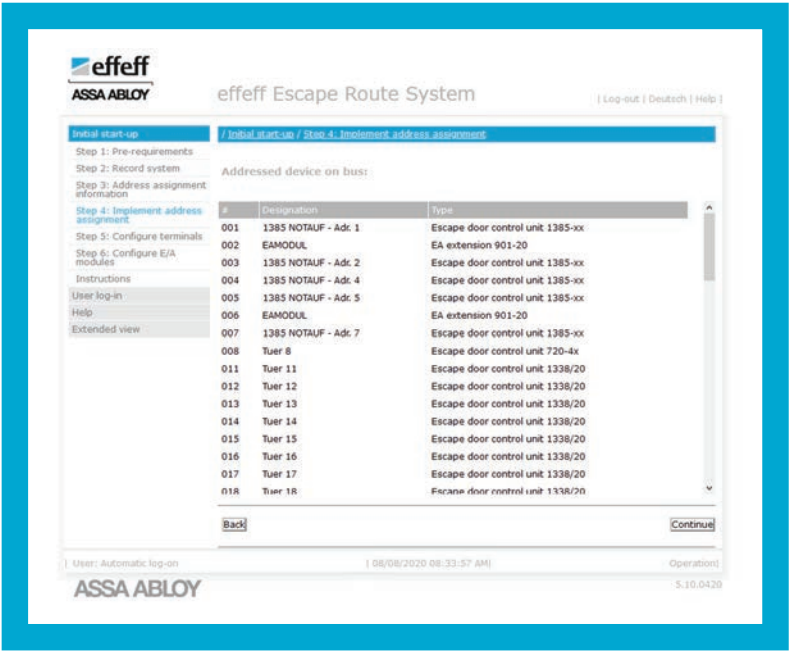
Automatic change from configuration mode:

If no input is made for one minute while in configuration mode, the device automatically switches to operational mode and the display is switched off.

Fig. 8: Allocate addresses, overview of devices

Step 4: Implement address assignment

This step is performed during the address request on the TSB2 devices. As soon as you launch step 4, the display will be automatically updated at certain intervals.



Note!

When a new device has been connected, it will then appear as a **NEW DEVICE** once the display is updated.

After allocating addresses to TSB2 devices, they are currently included in the system configuration. Saving is necessary in the event of additional changes.

1 Click on Continue to save the data.

⇨ You will get a brief security query asking whether you are sure that the entered system configuration should be saved (Fig. 9 page 22).

Note!

You need to wait for this security query (Fig. 9) to appear as otherwise correct functioning cannot be guaranteed.

2 Confirm the security query.
⇨ A reference operation is carried out.
⇨ The recorded system configuration is saved.

Note!

Any bus devices previously entered *Offline* will not be saved.

⇨ When the bus scan and the reference operation are completed, you will receive a message which you must accept.

3 Clicking on Ok .

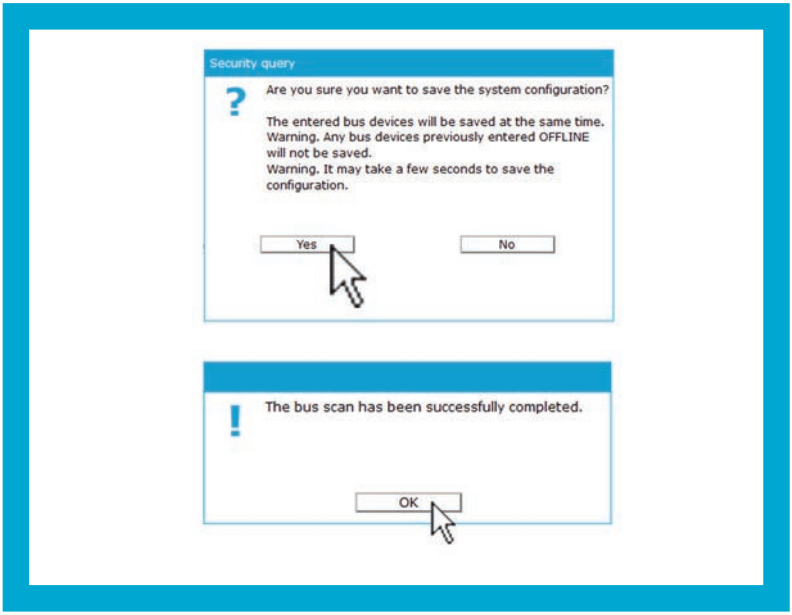


Fig. 9: Security query and Bus scan success report

Step 5: Configure terminals

The fifth step enables you to configure all the terminals you have entered individually (Fig. 10).

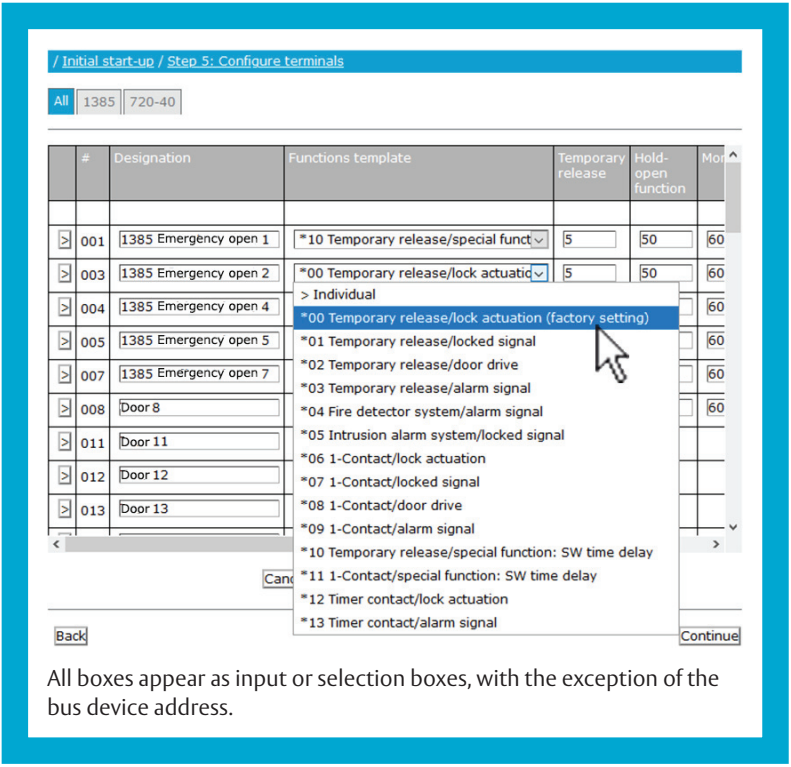


Fig. 10: Configuring terminals, functions templates

All boxes appear as input or selection boxes, with the exception of the bus device address.

The values can be set as a whole in tabs **1385** and **720-40**.

1 Click the **Set total >>>** button to automatically insert all values in this row into **all** displayed terminal entries.
2 Click **Apply** to transfer the changes to the TSB2 devices.

Column Designation

This is where you can insert text which will be used to provide unique identification for the terminal.

Column Functions template

You can use a pull-down menu to select different functions templates (Fig. 11). These templates are predefined with function-specific values and make it easier for you to quickly assign individual terminals.

If you click on the question mark, a help function for the functions templates will appear.

With the functions template > *only change times* under Set total >>> you can change the times described below for all displayed terminal entries at once.

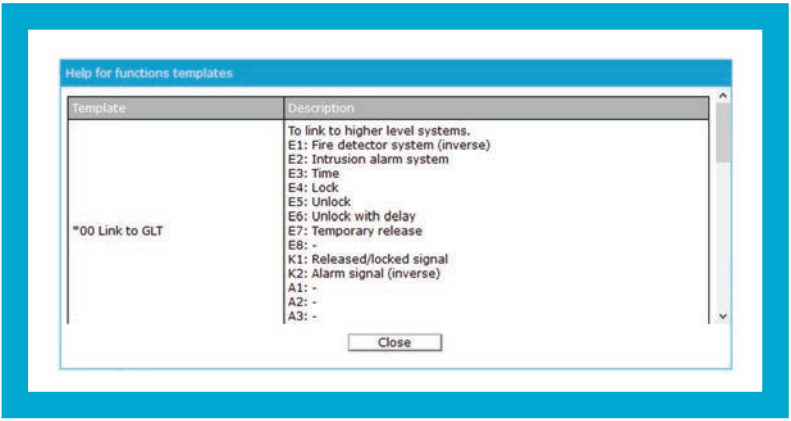


Fig. 11: Help for functions templates

Interrelated time scales for individual system settings

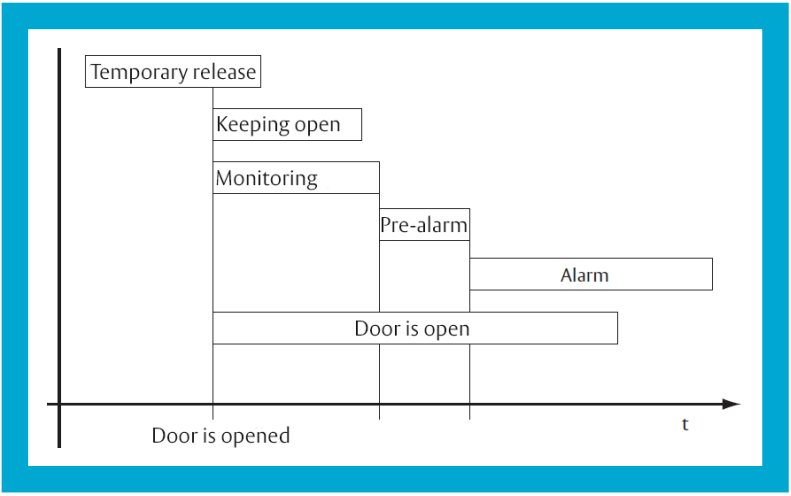
The diagram uses an example system to show you an overview of interrelated time scales for individual system settings (Fig. 2).

During the short release, the door can:

- be opened
- remain open for the duration of the door monitoring interval

Once the door monitoring interval is exceeded, the pre-alarm is triggered.

Fig. 12: Timing for system settings



Column Temporary release

This can be used to specify the temporary release time (input in **seconds**).

The door can be used once during this time.

Column Hold open

This can be used to specify how long the door can be held open, e.g. using a holding magnet (input in **seconds**).

Column Monitoring

This can be used to specify the door monitoring time, which starts after the door is opened (input in **seconds**).

Column Max. permanently open

This is where you can specify how long the door can be permanently released before an alarm is triggered. The door can be freely used during all this time. After the pre-set time has elapsed, the door is automatically locked again.

- The time is entered in **hours** and **minutes** (format - HH:MM) up to a maximum of **23h** and **59min**.
- If you enter **00:00** there will be no time restriction on the permanent release.

Column Pre-alarm

This can be used to specify the pre-alarm time (input in **seconds**).

The pre-alarm merely serves as a reminder to signal that an alarm is imminent.

If an open door is closed again within the pre-alarm interval, no alarm is triggered.

Column Alarm signal

This can be used to specify how long an alarm should sound (input in seconds).

Column Guidance signal

This can be used to specify how long a guidance signal should sound (input in **seconds**).

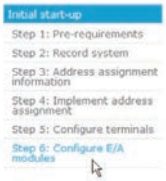
Column Permanent release delay

To prevent accidental activation of the permanent release mode, the door must be actuated for a pre-set time (input in **seconds**).

This is where you can specify how long permanent release activation should be delayed after it is switched on.

Click on:

- Cancel if you want to cancel the configuration data input without saving.
- Apply if you want to transfer and save all configuration data to the TSB2 devices.



Step 6: Configure I/O modules

The sixth step enables you to configure all the I/O modules you have entered individually.

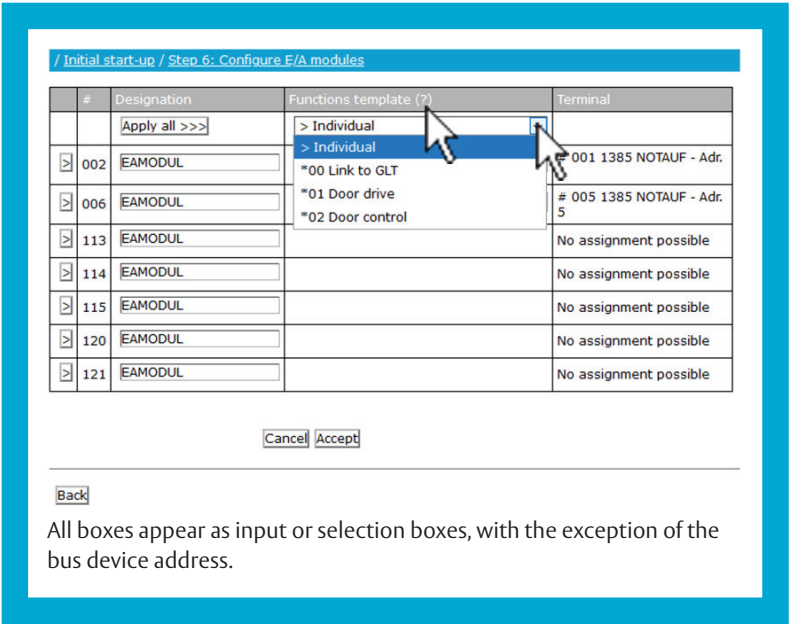


Fig. 13: Configure I/O modules

All boxes appear as input or selection boxes, with the exception of the bus device address.

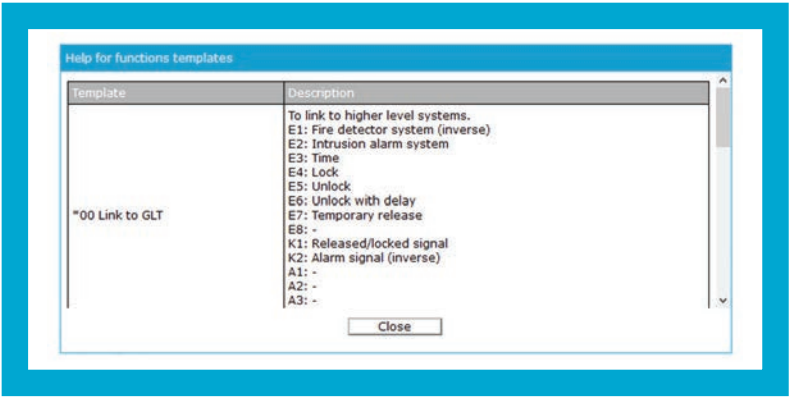
1 Click on **Set Total >>>** to automatically insert all values in this row into **all** displayed I/O module entries.
2 Click **Apply** to transfer the changes to the TSB2 devices.

Column Functions template

You can use a pull-down menu to select different functions templates. These templates are predefined with function-specific values and make it easier for you to quickly assign the individual I/O modules.

If you click on the question mark, a help function for the functions templates will appear.

Fig. 14: Help for functions templates



Column Terminal

This is where the assigned terminal for each I/O module is displayed.

Click on:

- Cancel if you want to cancel the configuration data input without saving.
- Apply if you want to transfer and save all configuration data to the TSB2 devices.

Instructions / help

There are two different online help options for your guidance.

1 Click in the menue on Help ❶.

⇨ The user manual is displayed as a PDF file.

2 Click on top-right on /Help / ❷.

⇨ Please refer to the accompanying documentation. You will also see a link to the manufacturer website with further information and the contact address in Germany.

Fig. 15: Access help

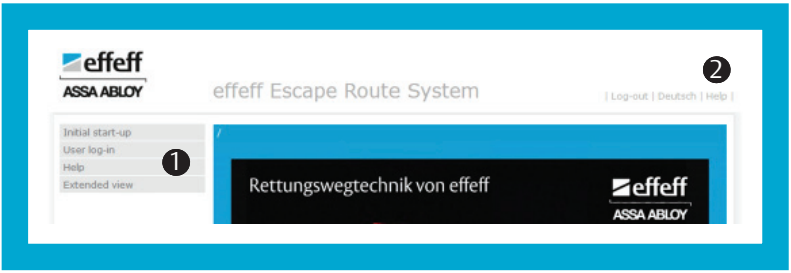
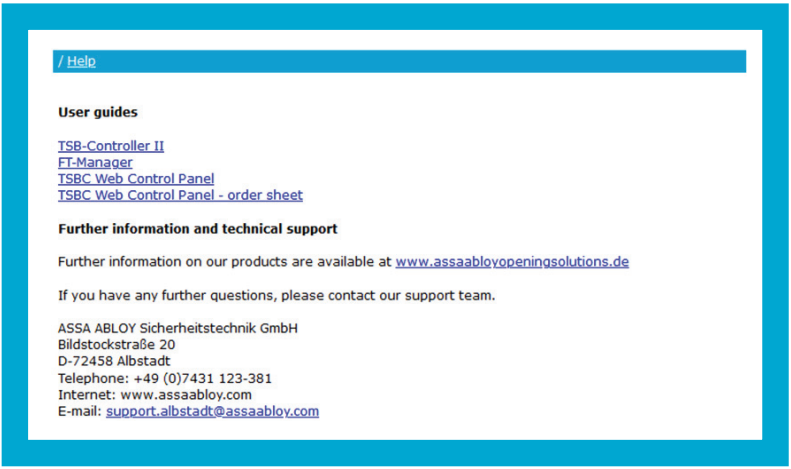


Fig. 16: Manufacturer's contact details



User log-in

If you use the *FT°Manager* automatic log-in (factory setting) , you don't need to enter a user name and a corresponding password to start the programme.

If the automatic log-in is deactivated, you will need to enter your user name and the corresponding password.

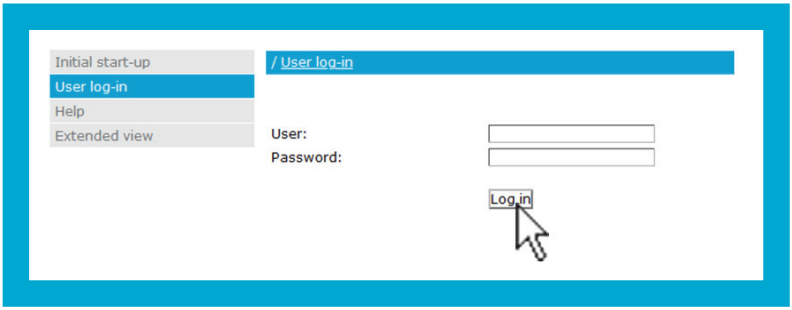


Fig. 17: Enter user name and password

Factory setting:

- Benutzer (User): Administrator
- Passwort (Password): Admin

You can define a password that you then have to enter when accessing *FT Manager*.

You can also create different users with different authorisations (see user management).

Note!

The administrator has unrestricted rights to all areas. No restrictions can be placed on administrator rights.

Extended view

Once you have entered your system and have configured your devices, you can implement further settings.

To do so, you need to open up the extended view in *FT Manager*.

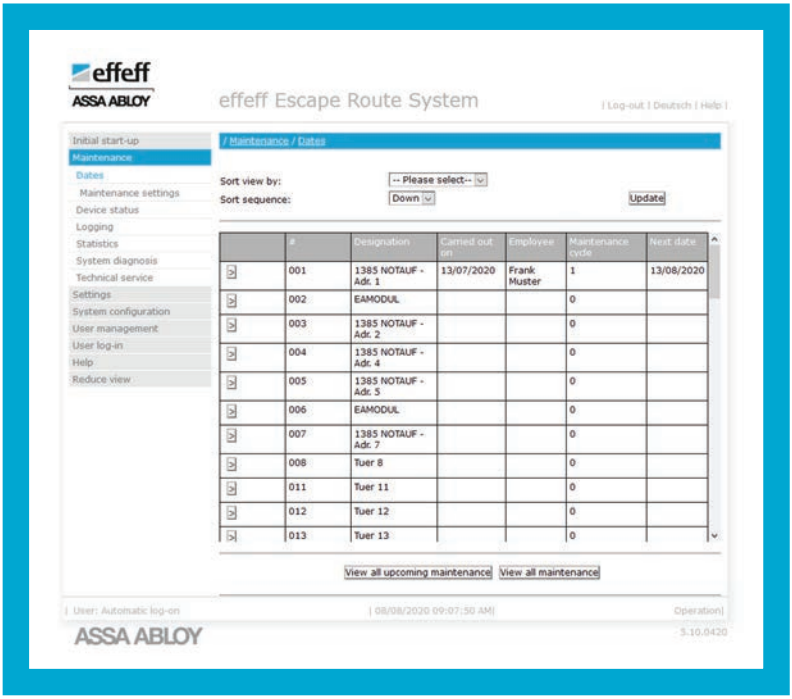
Fig. 18: Extended view

Dates

In this area, you have the option of scheduling and documenting regular maintenance. Dates for maintenance work on each recorded device are displayed individually.

You cannot implement **any** configuration settings here.

Fig. 19: Scheduled maintenance



[Sort view by]

Using a pull-down menu, you can select a criterion according to which you want to display the appointments.

The following criteria are possible: Address; designation; last maintenance; employee; maintenance cycle; next appointment

[Sort sequence]

Use a pull-down menu to select the desired sort order (ascending; descending) of the previously selected criterion.

1 Click on **View of all upcoming maintenance** work to create the upcoming maintenance work in a linked HTML file.

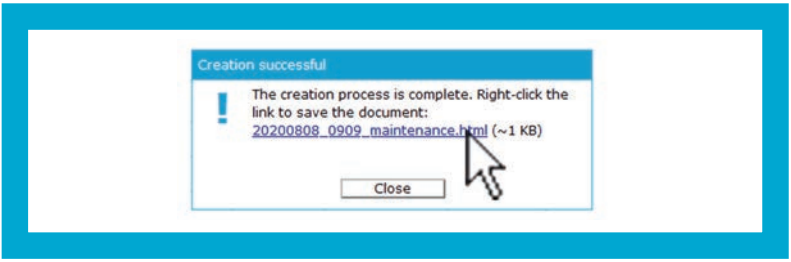


Fig. 20: Link to maintenance HTML file

2 Right-click on the link to save the file locally.

3 Left-click on the link to display the file in the browser

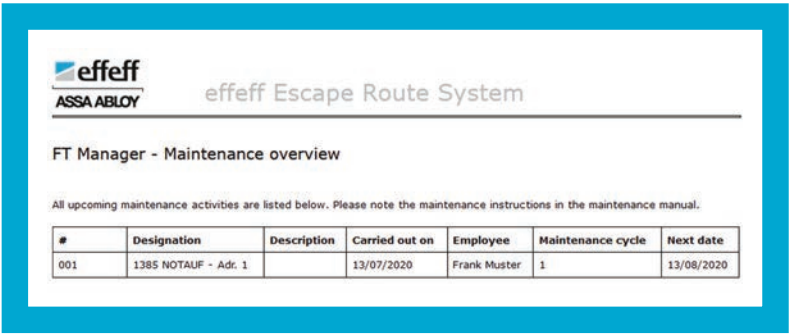


Fig. 21: Overview of maintenance

4 Click **Print view of all maintenance** work to generate a linked HTML file with the maintenance work.

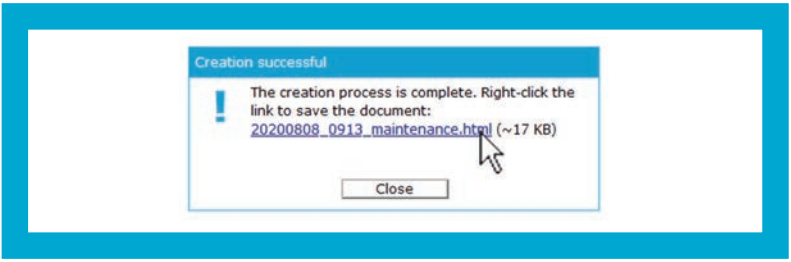
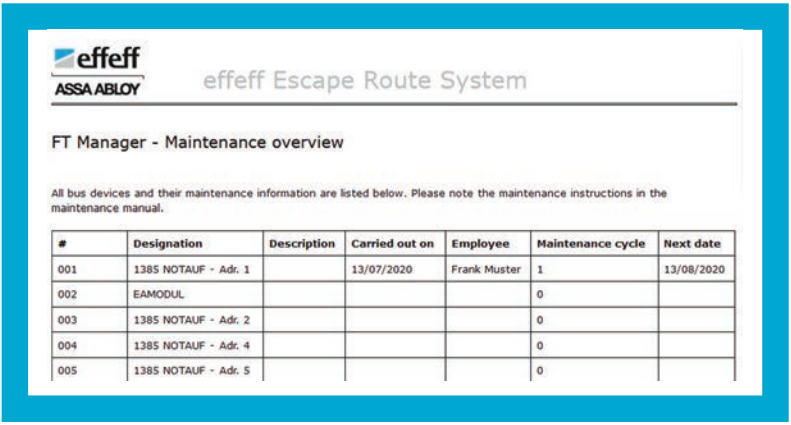


Fig. 22: Generate maintenance HTML file

5 Right-click on the link to save the file locally.
6 Left-click on the link to display the file in the browser



#	Designation	Description	Carried out on	Employee	Maintenance cycle	Next date
001	1385 NOTAUF - Adr. 1		13/07/2020	Frank Muster	1	13/08/2020
002	EAMODUL				0	
003	1385 NOTAUF - Adr. 2				0	
004	1385 NOTAUF - Adr. 4				0	
005	1385 NOTAUF - Adr. 5				0	

Fig. 23: Overview of maintenance

Note!

If maintenance work is due, a yellow message appears at the top right of the login screen.

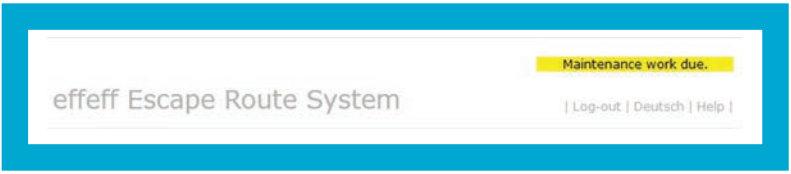


Fig. 24: Indication of scheduled maintenance work

Fig. 25: Selecting and displaying bus devices

Maintenance information

In this section, you can enter information on the maintenance work of each entered device individually.

[Select bus device]

You can use a pull-down menu to select the bus device you wish to display.

[Display bus device]

You can select the required bus device sort sequence from a pull-down menu.

Note!

Periodic maintenance is an important part of maintaining safety. For this reason, the building management must test the system on a monthly basis and a specialist must carry out an inspection once a year. The recommended maintenance cycle 12 months.

Device status

This section enables you to display the status for each device you have entered.

You cannot implement **any** configuration settings here.

Only the current status of the device is queried. The doors are configured in Settings/doors.

Fig. 26: Display device status

[Select bus device]

You can use a pull-down menu to select the bus device you wish to display.

[Display bus device]

You can select the required bus device sort sequence from a pull-down menu.

Control the device remotely

You can control the device remotely from here, depending on the status. The buttons are displayed according to the available functions.

Click on:

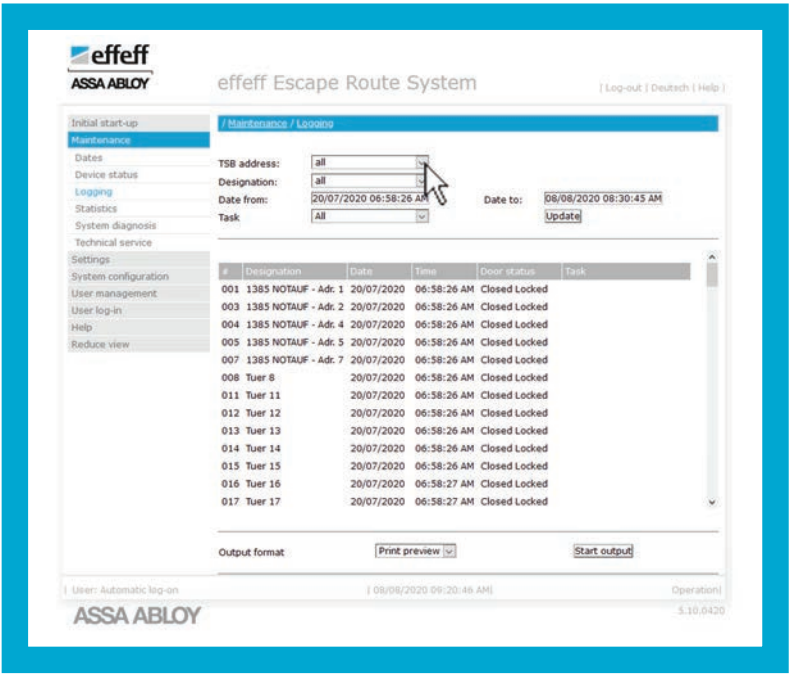
- **Lock** to lock the selected device.
- **Unlock** to unlock the selected device after the entered permanent release delay has elapsed for the entered maximum permanent open time.
- **Temporary release** to unlock the selected device for the entered temporary release.
- **Unlock with alarm** to unlock the selected device after the entered permanent release delay has elapsed for the entered maximum permanent open time. If the door is not closed within the entered time, an alarm is activated.
- **Acknowledge the alarm** to acknowledge the alarm on the selected device. The device can then be locked again.

Logging

This section enables you to display the status log for each device you have entered.

You cannot implement **any** configuration settings here. This is where a log of past processes and operations can be viewed.

Fig. 27: Select special protocol



[TSB address]

You can use a pull-down menu to select the TSB address that you want to display.

[Designation]

Use a pull-down menu to select the TSB2 device you want to display.

[Date from/date to]

Here you can enter the desired time period that you want to display.

[Action]

Use a pull-down menu to select the action you want to display.

Click on:

1 **Start output** to generate a linked HTML file that contains past processes and operations.

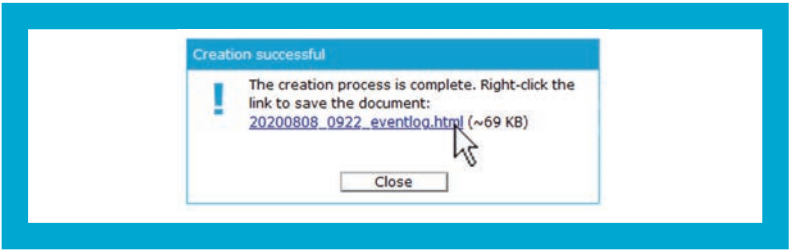
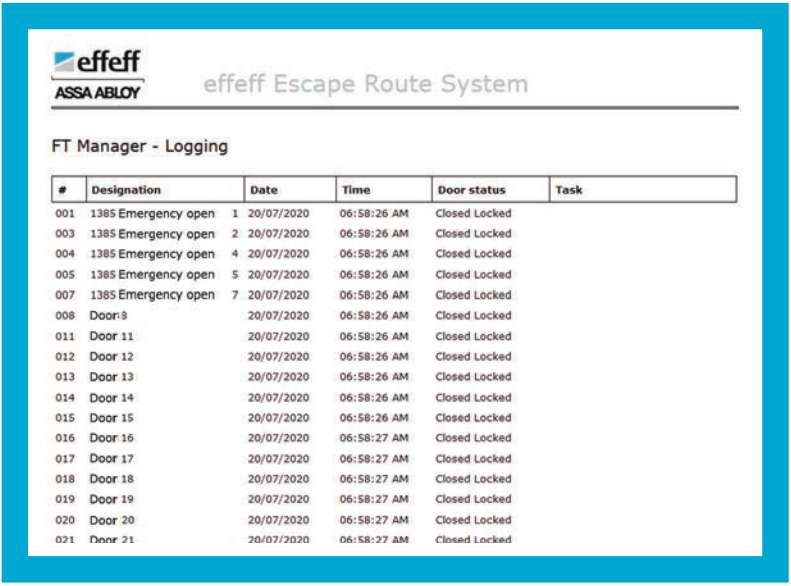


Fig. 28: Link to HTML file with processes and operations

2 Right-click on the link to save the file locally.

3 Left-click on the link to display the file in the browser



#	Designation		Date	Time	Door status	Task
001	1385 Emergency open	1	20/07/2020	06:58:26 AM	Closed Locked	
003	1385 Emergency open	2	20/07/2020	06:58:26 AM	Closed Locked	
004	1385 Emergency open	4	20/07/2020	06:58:26 AM	Closed Locked	
005	1385 Emergency open	5	20/07/2020	06:58:26 AM	Closed Locked	
007	1385 Emergency open	7	20/07/2020	06:58:26 AM	Closed Locked	
008	Door 8		20/07/2020	06:58:26 AM	Closed Locked	
011	Door 11		20/07/2020	06:58:26 AM	Closed Locked	
012	Door 12		20/07/2020	06:58:26 AM	Closed Locked	
013	Door 13		20/07/2020	06:58:26 AM	Closed Locked	
014	Door 14		20/07/2020	06:58:26 AM	Closed Locked	
015	Door 15		20/07/2020	06:58:26 AM	Closed Locked	
016	Door 16		20/07/2020	06:58:27 AM	Closed Locked	
017	Door 17		20/07/2020	06:58:27 AM	Closed Locked	
018	Door 18		20/07/2020	06:58:27 AM	Closed Locked	
019	Door 19		20/07/2020	06:58:27 AM	Closed Locked	
020	Door 20		20/07/2020	06:58:27 AM	Closed Locked	
021	Door 21		20/07/2020	06:58:27 AM	Closed Locked	

Fig. 29: Component logging

Statistics

In this area you can view, save and print a statistical list of all processes carried out by the individual TSB2 devices. This allows you to draw conclusions about the operation of a device.

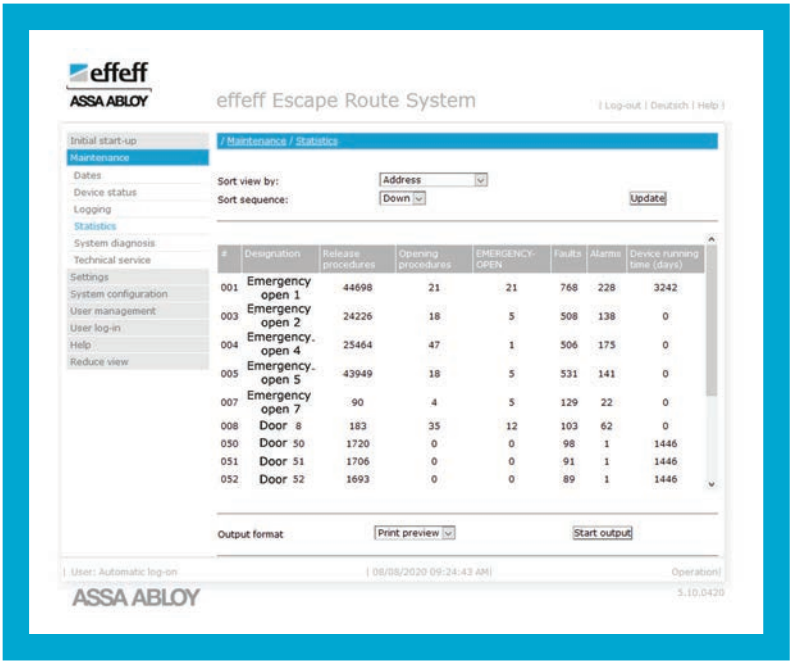
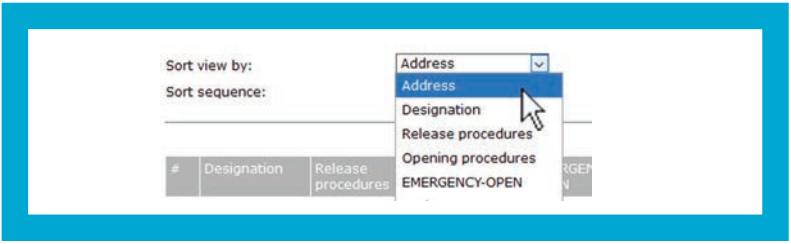


Fig. 30: Display number of specific operations

Note!

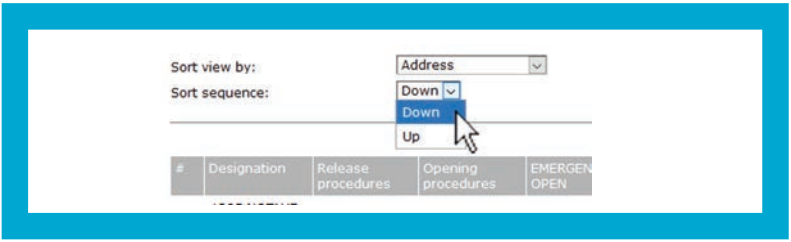
The statistics data is stored on the TSB2 devices. When replacing a device, the previous information will be lost.

Fig. 31: Sort view



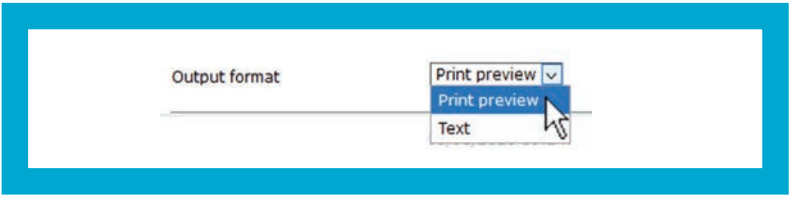
1 Use this pull-down menu to select the required sort criterion.

Fig. 32: Set other sorting criteria



2 Use this pull-down menu to select the required sort sequence.
3 If you want to update the statistics display, click **Update**.

Fig. 33: Select the output format



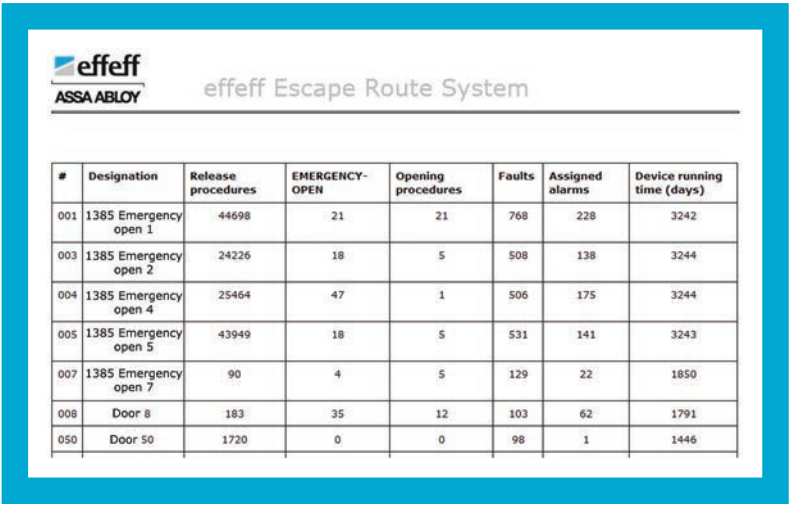
4 Use this pull-down menu to select the display format you would like to use to generate messages.

5 Click **Start output** to generate a linked HTML file that contains the statistics.

Fig. 34: Link to statistics HTML file

6 Right-click on the link to save the file locally.
7 Left-click on the link to display the file in the browser.

Fig. 35: Display statistics



effeff
ASSA ABLOY

effeff Escape Route System

#	Designation	Release procedures	EMERGENCY-OPEN	Opening procedures	Faults	Assigned alarms	Device running time (days)
001	1385 Emergency open 1	44698	21	21	768	228	3242
003	1385 Emergency open 2	24226	18	5	508	138	3244
004	1385 Emergency open 4	25464	47	1	506	175	3244
005	1385 Emergency open 5	43949	18	5	531	141	3243
007	1385 Emergency open 7	90	4	5	129	22	1850
008	Door 8	183	35	12	103	62	1791
050	Door 50	1720	0	0	98	1	1446

System diagnosis – device statistic

This area allows you to view and store a statistical list of communication events for all devices.

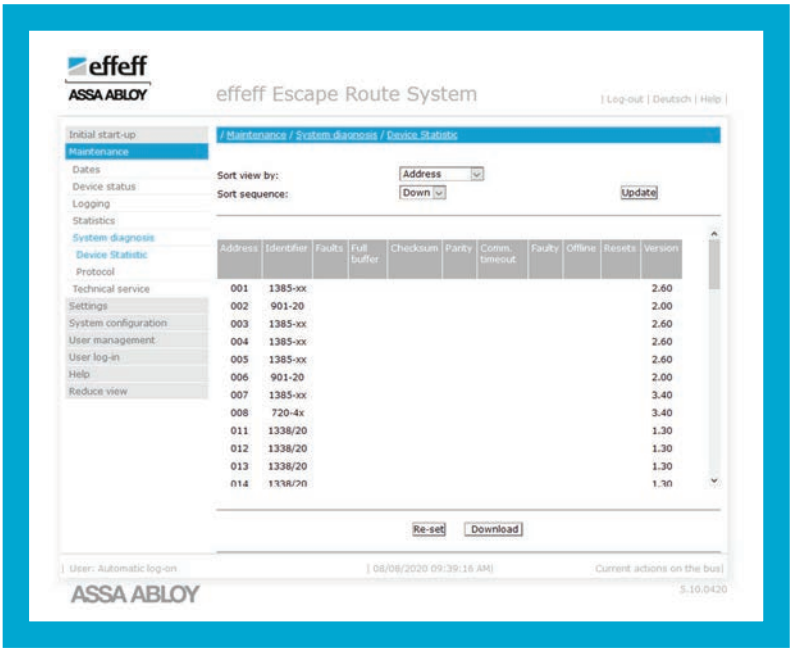


Fig. 36: Statistical listing of events

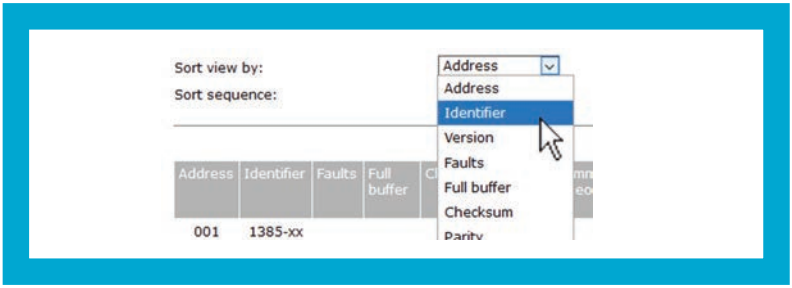
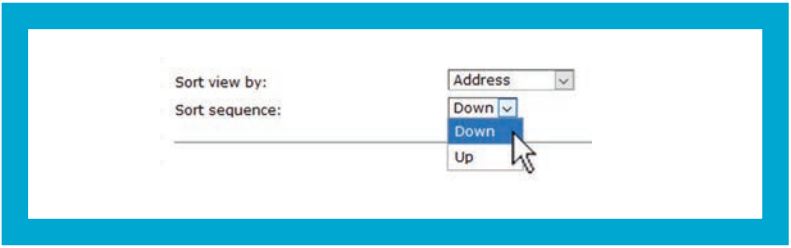


Fig. 37: Sort view

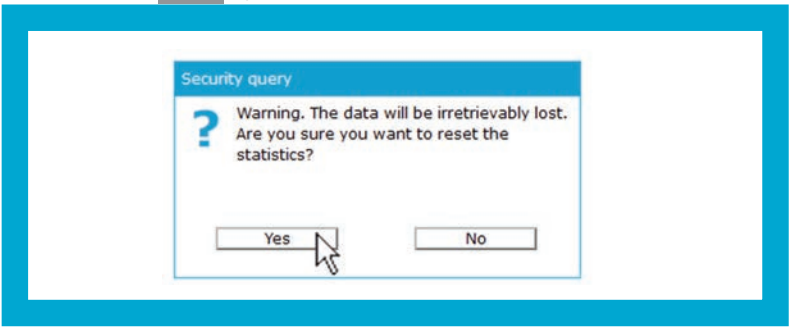
1 Use this pull-down menu to select the required sort criterion.

Fig. 38: Define sort order



2 Use this pull-down menu to select the required sort sequence.
2.1 Click on **Update** if you want to update the statistics display.
2.2 Click on **Reset** if you want to reset the statistics values.

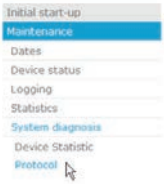
Fig. 39: Security query



3 Confirm the security query, before the statistics values are reset.
4 Click on **Download** to generate a linked log file that contains the statistics.

Fig. 40: Generate HTML file for statistics

5 Right-click on the link to save the file locally.



System diagnosis – Protocols

In this area, you can view, save and print a bus protocol and a mail protocol.

The bus protocol is only generated if the *Communication protocol* option in the device settings/options has been activated.

Fig. 41: Create bus protocol

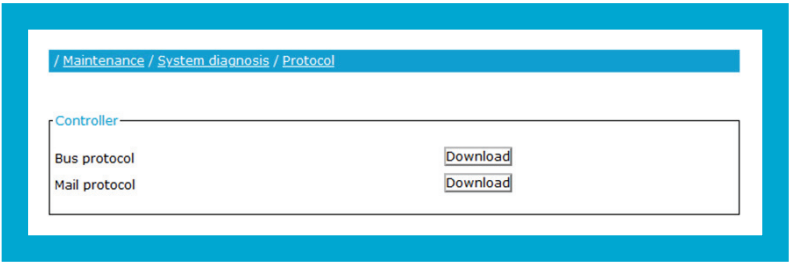
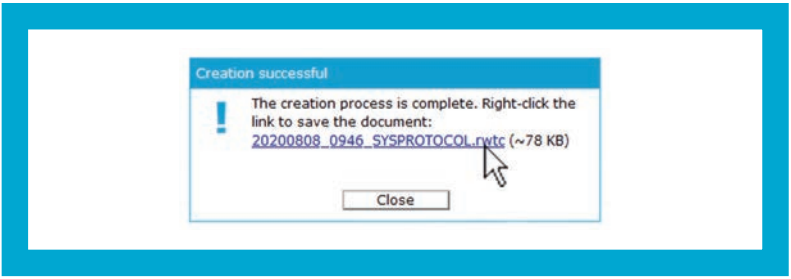


Fig. 42: Retrieve and save bus protocol



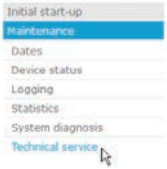


Fig. 43: Contact information

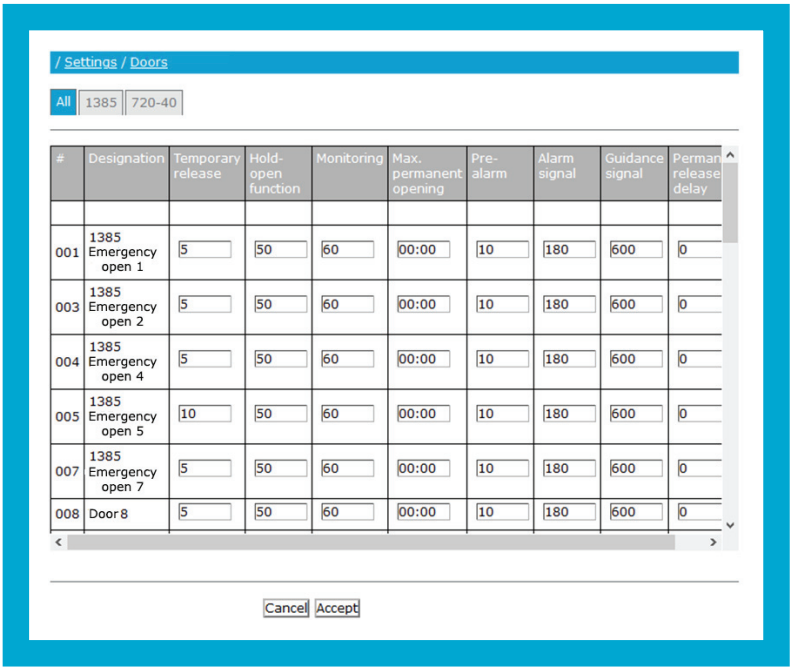
Technical service

This section contains the administrator's and the installer's contact data, so the technical personnel responsible for the system can be contacted in the event of technical problems.

Fig. 44: Edit doors settings

Doors

In this area you can set the individual times for the TSB controller actions.



1 Click on **Set total >>>** to automatically insert all values in this row into **all** displayed door entries.

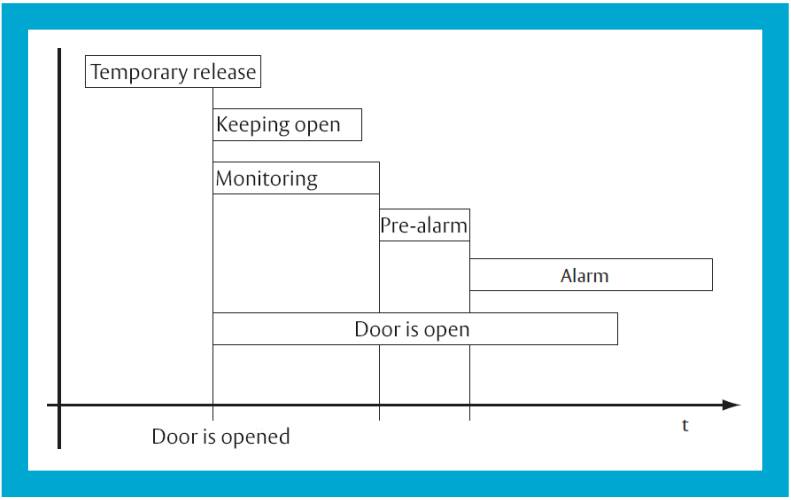
Note!

The 'Set total' function only appears when selecting the individual door controls such as 1385 or 720-40 and is intended to make it easier to input a large number of bus devices

2 Click on:
- 2.1 **Apply** if you want to save the data you have just entered.
  or
- 2.2 **Cancel** if you want to cancel the data input without saving.

The following diagram uses an example system to show you an overview of interrelated time scales for individual system settings.

Fig. 45: Timing for system settings



During the short release, the door can:

- be opened
- remain open for the duration of the door monitoring interval

⇨ Once the door monitoring interval is exceeded, the pre-alarm is triggered.

[Temporary release]

This can be used to specify the temporary release time (input in **seconds**).

The door can be used once during this time.

[Hold open]

This can be used to specify how long the door can be held open, e.g. using a holding magnet (input in **seconds**).

[Monitoring]

This can be used to specify the door monitoring time, which starts after the door is opened (input in **seconds**).

[Max. permanently open]

This is where you can specify how long the door can be permanently released before an alarm is triggered. The door can be freely used during all this time.

After the pre-set time has elapsed, the door is automatically locked again.

- The time is entered in **hours** and **minutes** (format - HH:MM) up to a maximum of **23h** and **59min**.
- If you enter **00:00** there will be no time restriction on the permanent unlocking.

[Pre-alarm]

This can be used to specify the pre-alarm time (input in **seconds**).

The pre-alarm merely serves as a reminder to signal that an alarm is imminent.

If an open door is closed again within the pre-alarm interval, no alarm is triggered.

[Alarm signal]

This can be used to specify how long an alarm should sound (input in seconds).

[Guidance signal]

This can be used to specify how long a guidance signal should sound (input in **seconds**).

[Permanent release delay]

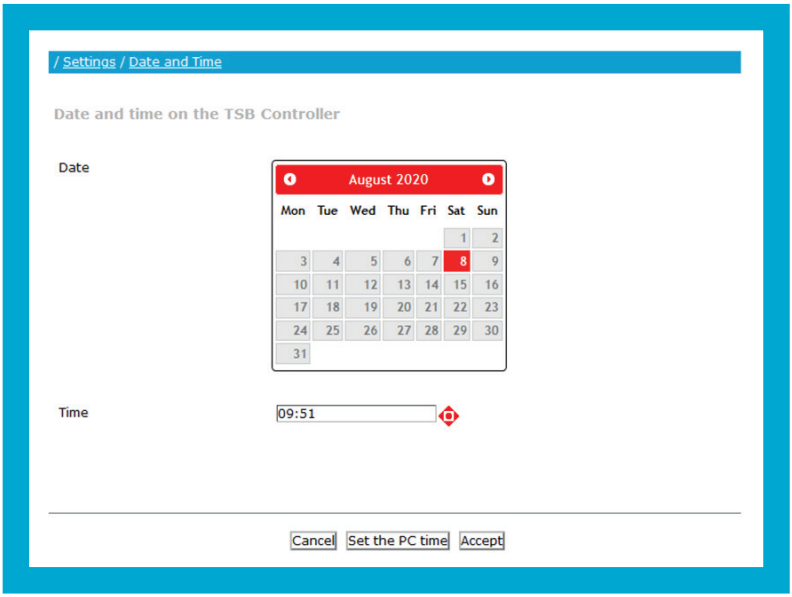
To prevent accidental activation of the permanent release mode, the door must be actuated for a pre-set time (input in **seconds**).

This is where you can specify how long permanent release activation should be delayed after it is switched on.

Fig. 46:
Set date and time

Date and time

In this area you can set the date and time of the TSB controller.



Date

1 Make the desired selections in the calendar.

Time of day

2 Enter the desired time here using the keyboard or use the navigation buttons

3 Click on:

3.1 **Cancel** if you want to cancel the data input without saving.
or

3.2 **Set PC time** if you want to transfer the PC time to the TSB controller.
or

3.3 **Apply** if you want to save the data you have just entered.

Property data/information

The following information can be entered in this area:

- Address
- Administrator
- Installer

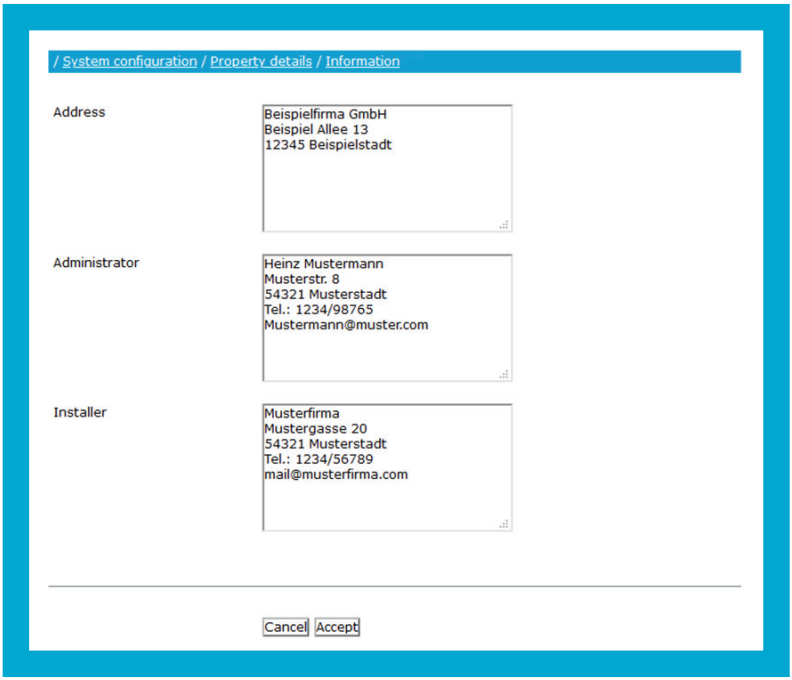


Fig. 47: Enter property data and information

Note!

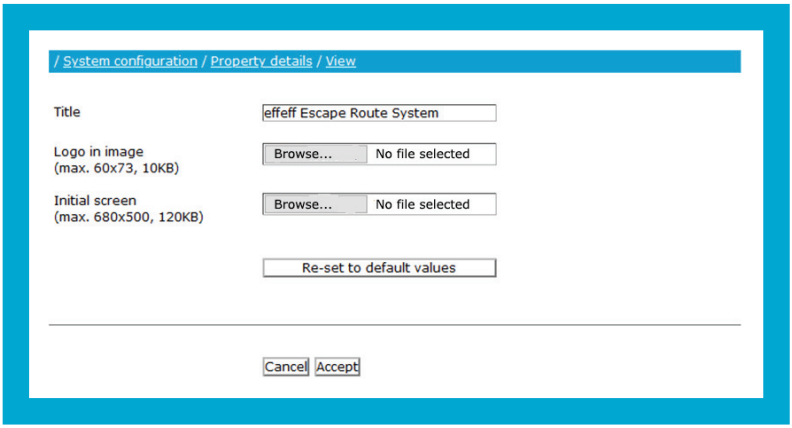
Entered information is created for the entire system and is also read out for other functions and menu items. Details can be entered over several lines.

1 Click on:
- 1.1 **Cancel** if you want to cancel the data input without saving.
  or
- 1.2 **Apply** if you want to save the data you have just entered.

Fig. 48: Configure FT Manager view

Property data/view

The *FT Manager* layout can be individually adapted in this area.



[Title]

This is where you can insert text which is to be displayed in the *FT°Manager* header.

[Logo in image]

You can customise and replace the logo on the left in the *FT°Manager* header.

1 Click on **Browse...** to browse your directory for the desired image.
2 Select an image and confirm the selection with **Confirm selection**.

Note!

The logo must be saved in JPG, PNG, GIF file format. The file size is arbitrary, as the logo is automatically stretched or compressed to a height of 75 pixels.

[Initial screen]

You can also replace the *FT Manager's* initial screen. Proceed as for logo replacement.

Note!

The start screen image must be saved in JPG, PNG, GIF file format. The file size is arbitrary because the logo is automatically stretched or compressed to a height of 500 pixels or a width of 680 pixels.

1 Click on:
   1.1 **Reset to standard values** to re-load the standard title and standard image.
   or
   1.2 **Cancel** if you want to cancel the data input without saving.
   or
   1.3 **Apply** if you want to save the data you have just entered.

⇨ The *FT Manager* display will reload.

TSB controller/TS bus

In this area you can re-enter and save the TS bus system configuration. The function is the same as in step 2 of the initial start-up and can be used when registering new bus devices, for example.

For more information on the procedure, see section „Step 2: Enter system“, Seite 14.

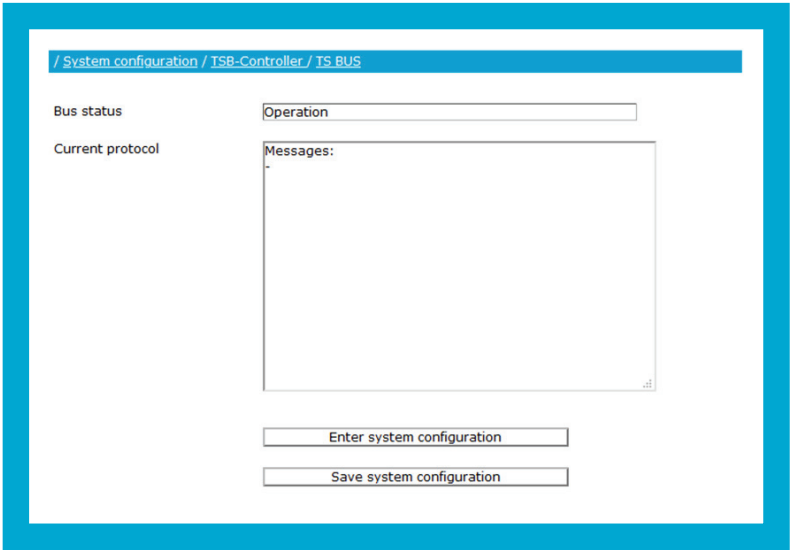


Fig. 49: Enter new TS bus system configuration

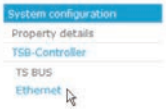
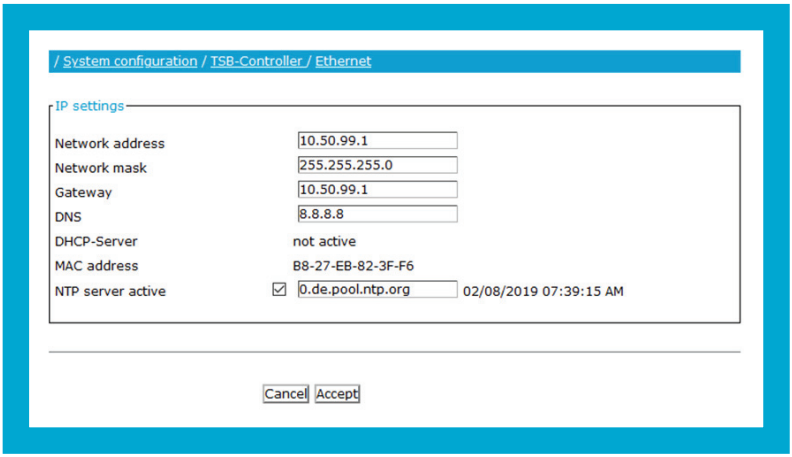


Fig. 50: Change network address

TSB controller/Ethernet

The network address can be changed in this area.



Configuring the network connection

You need to check the LAN settings on the network card and adjust if necessary to ensure that the TSB controller can communicate with your PC.

The bus controller's DHCP server is active ex works.

The Dynamic Host Configuration Protocol (DHCP) allows the network configuration to be assigned by the DHCP server of the bus controller.

Note!

Coordination with the network administrator is required in a building network.

IP settings

In this system configuration screen, you can make the necessary settings for use in the network.

[Network address]
Free IP address that you want to assign to the TSB controller.

[Network screen]
The default network screen is 255.255.255.0

[Gateway]
IP address of the intermediary in the company network, e.g. router

[DHCP server]
Automatically deactivates when the network address is changed and only becomes active again when the device is reset to factory settings.

Set IP address

1 Specify a free network address.
2 Click **Apply** to accept the entry.

⇨ The network address is set on the *TSB controller* and the following message appears:

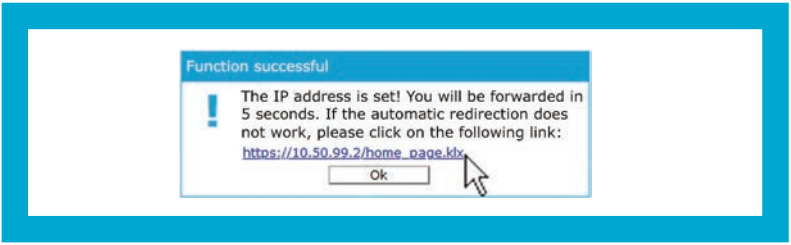


Fig. 51: Message for setting the IP address

Fig. 52: Display the set IP address

Exception 1: The network address is already assigned. An error message is displayed.

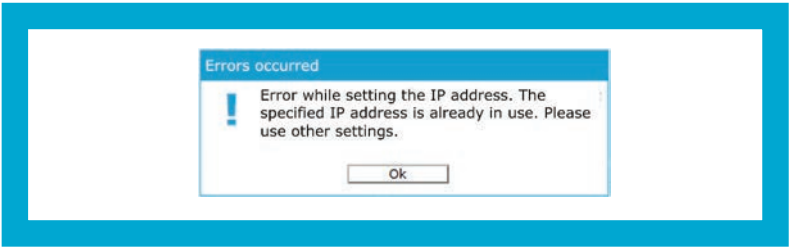


Fig. 53: Error message if IP address has already been assigned

Exception 2: An unforeseen error occurs. The network address is set, but is not available.

1 Restart the controller and press the [*Reference operation*] and [*Load configuration*] buttons at the same time during start-up.

⇨ The controller is reset and the IP address is set back to *1.1.1.1*.

TSB controller/security

The security functions can be changed in this area.

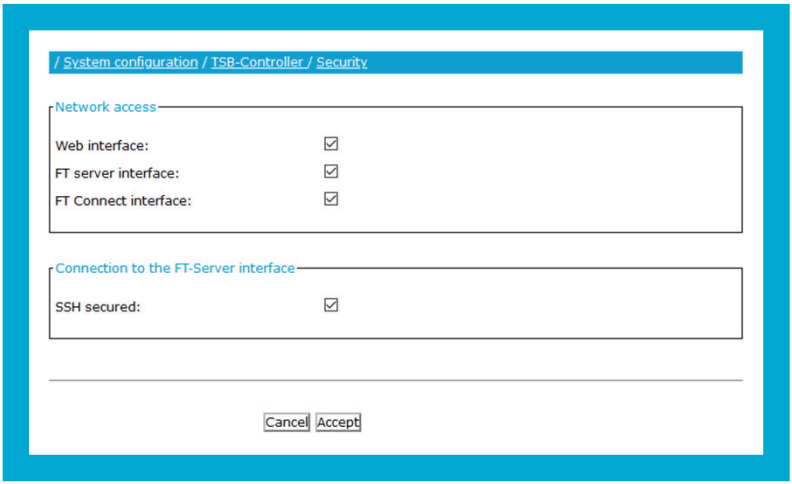


Fig. 54: Set security functions

Note!

If the WEB interface is deactivated, the configuration is blocked using *FT Manager*.

Network access

By changing this system configuration, you control network access via the interfaces below.

For more information on users, see *User management*

[WEB interface]
Allows/prevents access via the WEB interface for users created in the system, thus allowing/preventing configuration of the system.

[FT server interface]
Allows/prevents FTS Users present in the system *to have tunnel* access via the server interface.

[FT Connect interface]
Allows/prevents access to CFW users via the Connect interface.

Activate button functions

Changing this system configuration allows you to enable or disable the TSB controller button functions.

More detailed information on this can be found in the TSB controller's separate user manual.

[Reference operation]
Activates/deactivates the reference operation button

[Write to USB]
Activates/deactivates the USB write button

[Read from USB]
Activates/deactivates the USB read button

Connection to FT server interface

The connection to the FT server interface can be SSH secured (standard) or a conventional connection from any IP address.

[SSH secured]
SSH enables a secure, authenticated and encrypted connection between two computers despite an unsecured network. If the option is activated, the FT server can only be connected to the controller via SSH (tunnel).

If the option is disabled, the FT server can be connected to the controller from any IP address without a tunnel.

Change option

The option is activated ex works.

Note!

A connection to the FT server that is not secured using SSH impairs the security of the system. Only deactivate this option if you have a separate and secure network structure.

1 Log out of the FT server.
2 Restart the TCP server in the FT server interface controller with the changed setting.
3 Log in to the FT server again.

⇨ You have deactivated or activated the option.

TSB controller/options

In this area you can define general settings for the browser configuration.

Display

Use this pull-down menu to select the required web interface start screen.

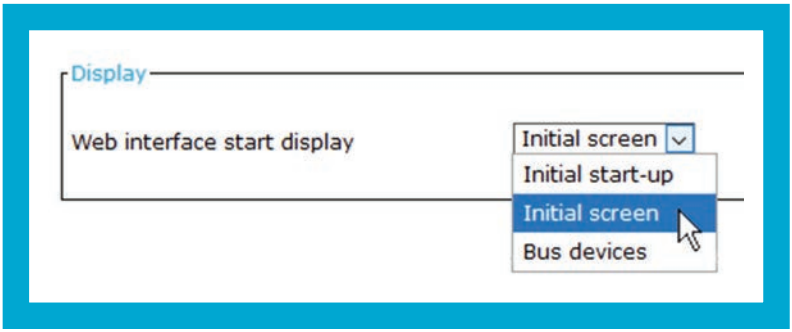


Fig. 55: Select start screen

Certificates

In this area you can upload new certificates.

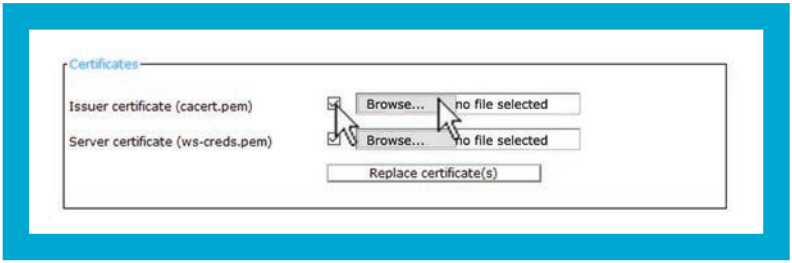
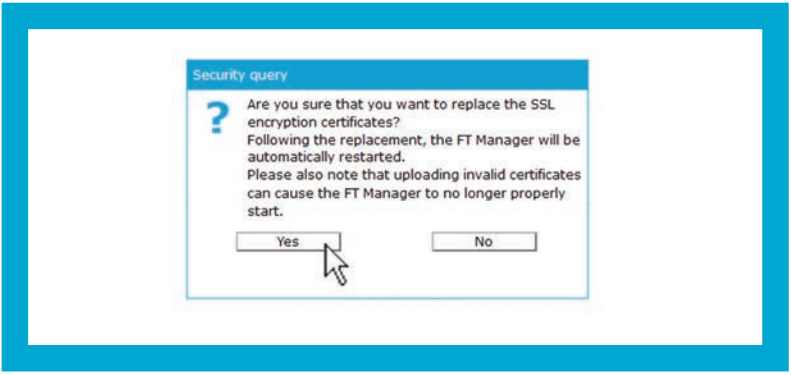


Fig. 56: Upload certificates

1 Click on **Browse...** to select a locally stored certificate.
2 Then check the box with the mouse to select the corresponding certificate.
3 Click on **Replace certificate(s)** if you want to replace an existing certificate.

Fig. 57: Replace existing certificates



⇨ A short security query will then appear, which you need to accept.

Fig. 58: New uploaded certificate message

⇨ Finally, there is a message that the certificate has been uploaded.

Note!

FT Manager is restarted in the background and may not be available for a short time.

Add certificates in Mozilla Firefox

After a new, previously unknown certificate has been uploaded, the following message appears:

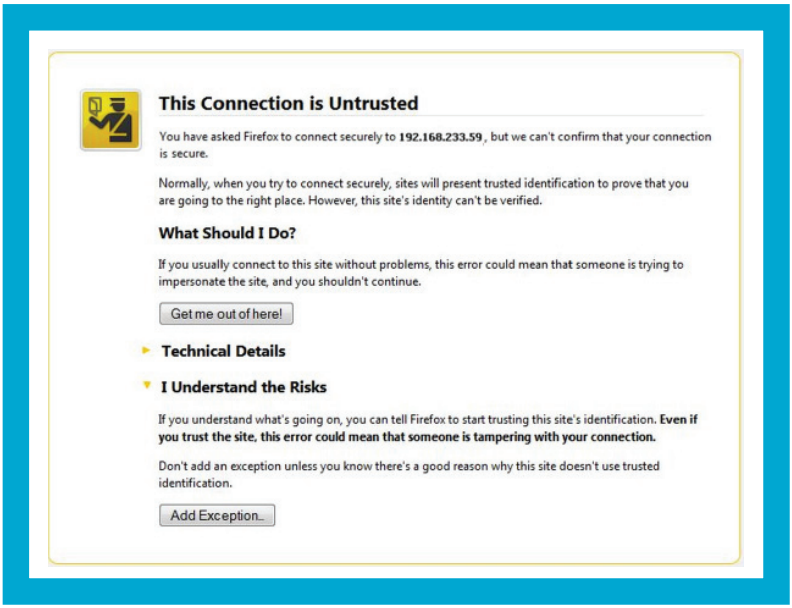
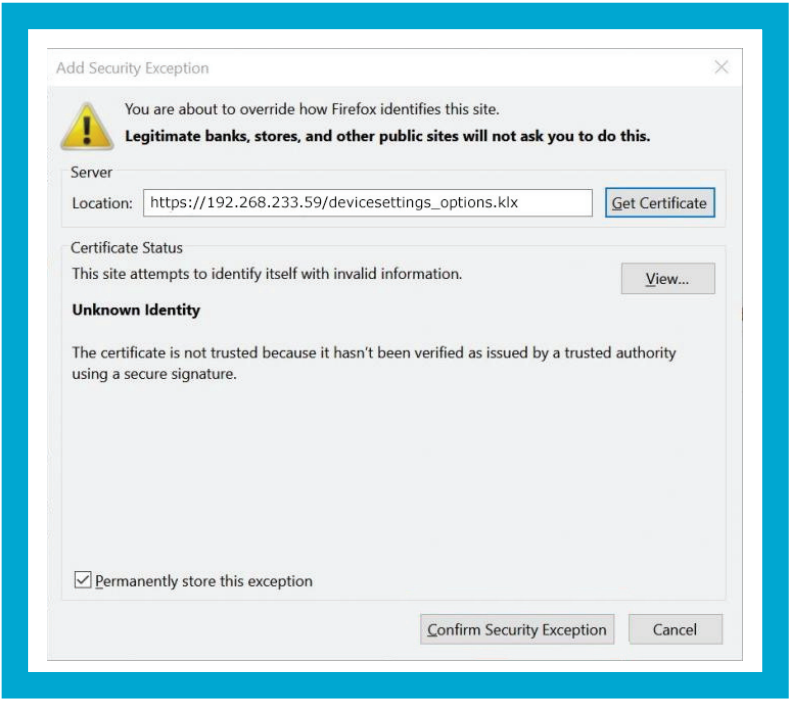


Fig. 59: Firefox security query

There you can *add the certificate as an exception* by clicking *Confirm Security Exception Rule* in the following pop-up.

Fig. 60: Assign exception rule



Check certificates in Mozilla Firefox

You can check which certificate has been installed by clicking on the blue highlighted field in the address line in Mozilla Firefox.

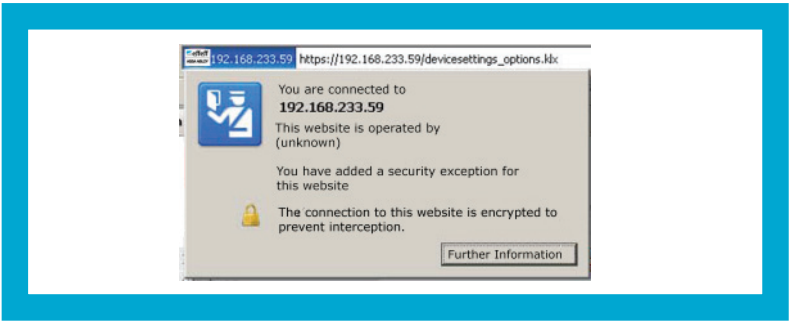


Fig. 61: Verification of the stored security certificate

Clicking *More information* opens the following pop-up:

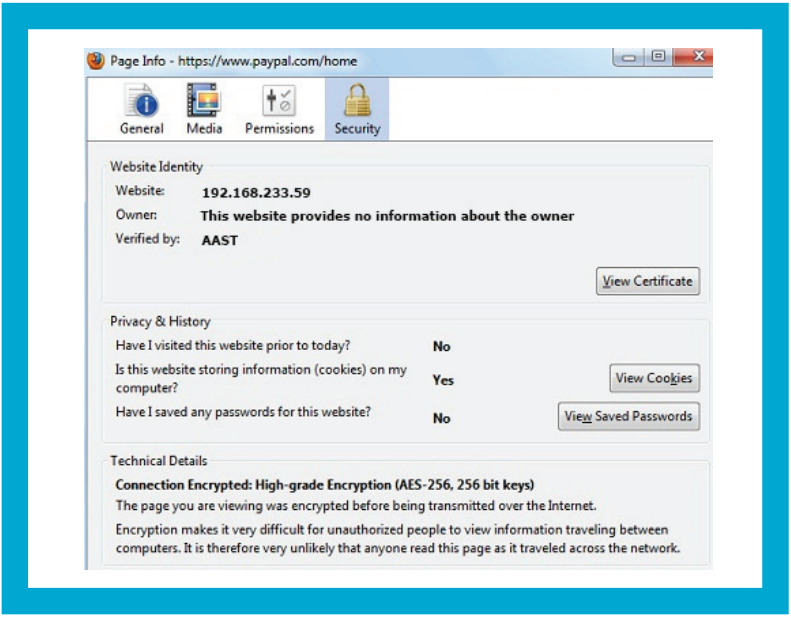
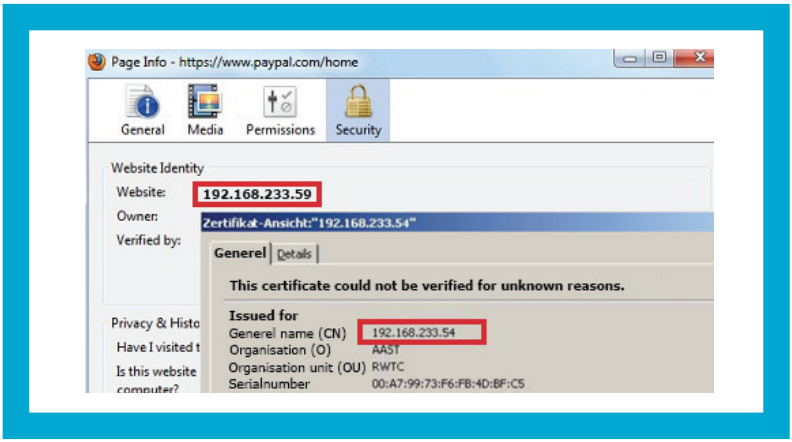


Fig. 62: More information on the security certificate

If you now click *Show certificate*, you can view the content of the certificate. The following figure shows, for example, that the certificate is set to the wrong IP address (general name: 192.168.233.54), as the website can be reached at 192.168.233.59.

Fig. 63: Display security certificate content



Certificates in Internet Explorer

After a certificate has been changed, the following window appears. Continuing *to load the website* will temporarily accept the certificate.

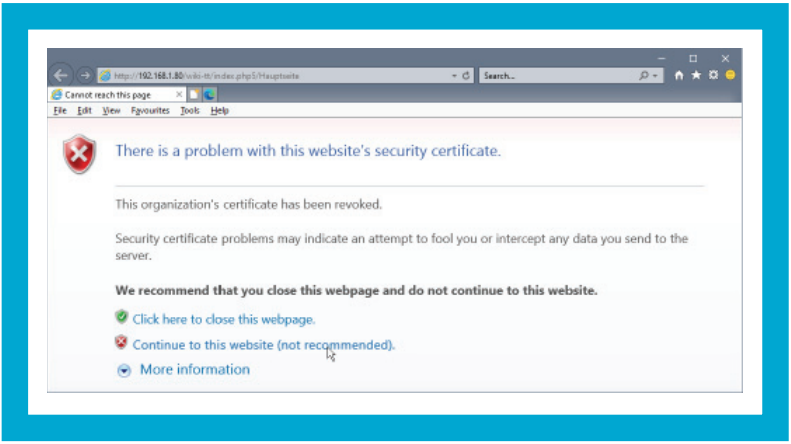
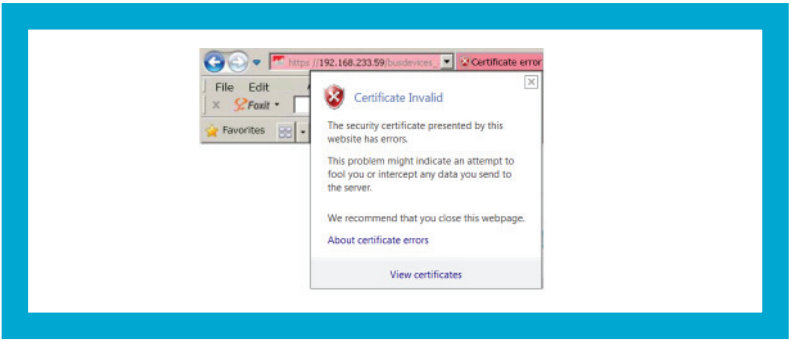


Fig. 64: Internet Explorer security certificate message

Check certificates in Internet Explorer

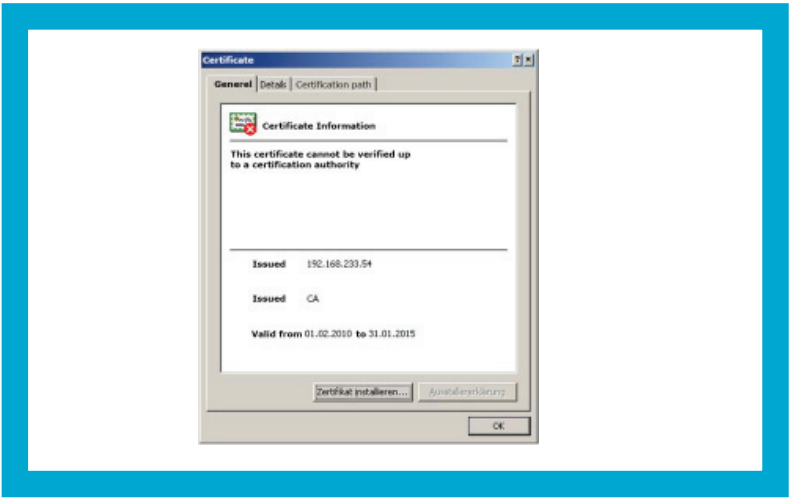
Clicking on the field highlighted in red "*Certificate errors*" opens a pop-up window.

Fig. 65: Certificate error



By clicking on Show certificates, the certificate can be checked (see figure).

Fig. 66: Verification of a certificate



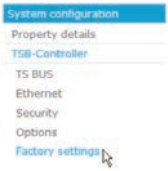
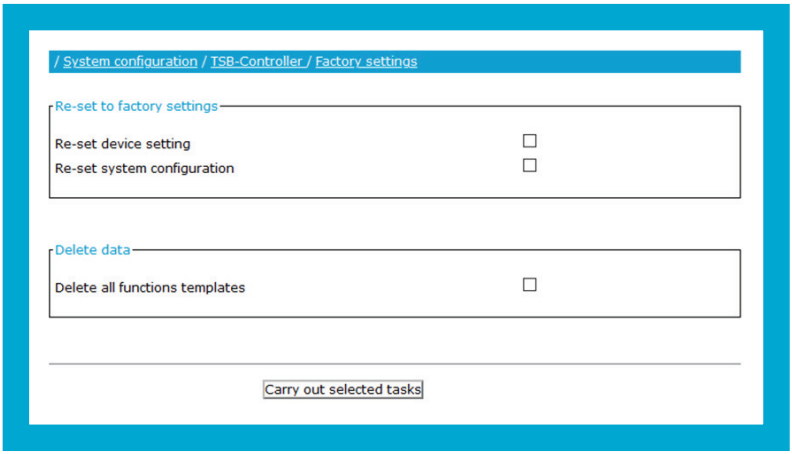


Fig. 67: Reset to factory settings

TSB controller/factory settings

You can use this section to reset or delete different system settings and data.



Resetting to factory settings and Deleting data

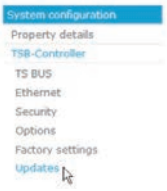
Achtung!

Back up the system before making any changes.
Any settings you have implemented are lost in the process

You can re-set all device settings and the whole system configuration to their factory settings.

You can delete all functions templates and the communications protocol.

1 Check the box for each individual action you wish to carry out.
2 Click on **Perform selected actions** if you want to carry out the selected actions.



TSB controllers/updates

This area allows you to update your system.

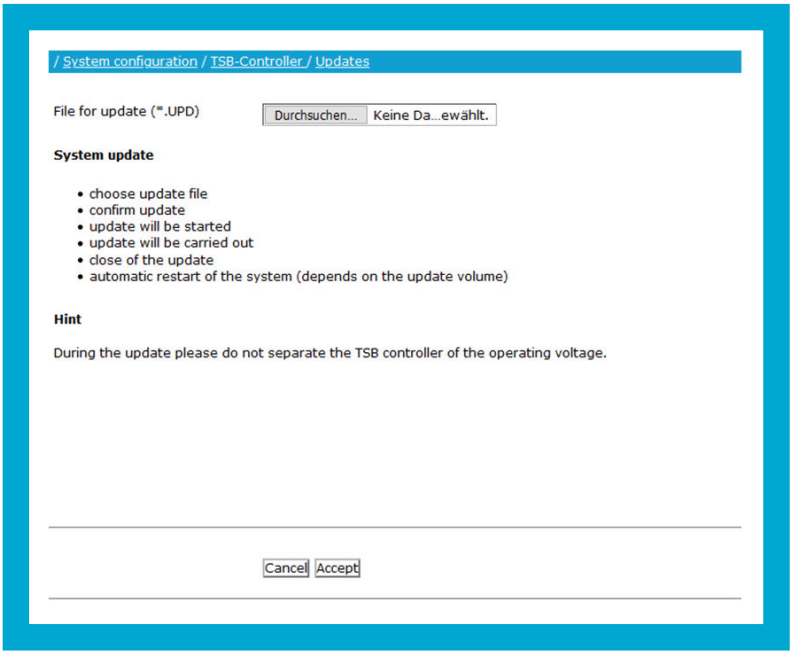
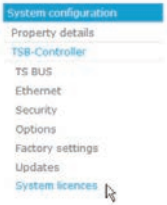


Fig. 68: Select file to update

Achtung!

Back up the system before making any changes.



TSB controllers/system licenses

In this area you can enter and activate your TSBC Web Control Panels licence key.

Request TSBC Web Control Panel licence

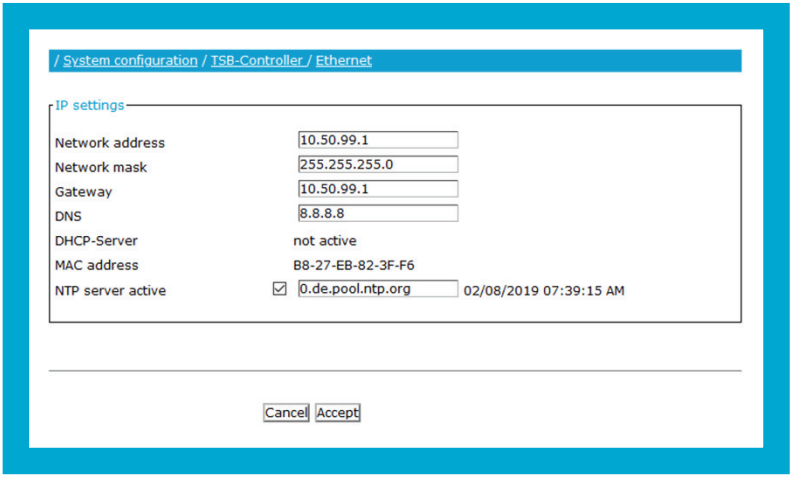
You can request the licences from Assa Abloy under the following conditions:

- Order number (max. number of display elements)
- E-mail address
- MAC address of your TSB controller
- Address
- Telephone number

The MAC address of your TSB controller can be queried in the menu item as follows.

- System configuration/TSB controller/Ethernet

Fig. 69: MAC address query

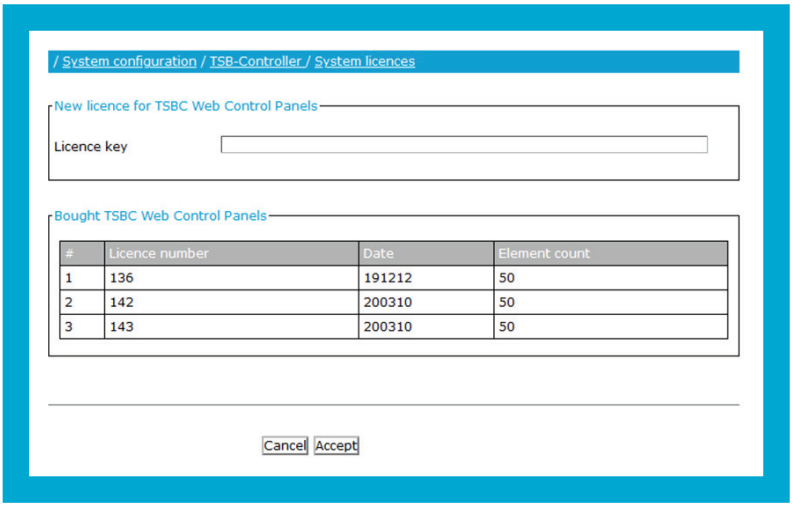


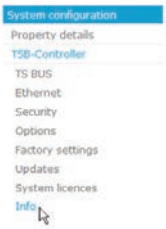
Activating system licences

1 Enter your licence key in the field provided.
2 Confirm your entry by clicking **Apply**.

⇨ You have activated the system licence.

Fig. 70: Enter licence key





TSB controller/info

In this area you can display information about the manufacturer and firmware versions of the controller and the web interface.

Fig. 71: Manufacturer and firmware information

Bus devices/all

You can use this section to specify the designations for all bus devices.

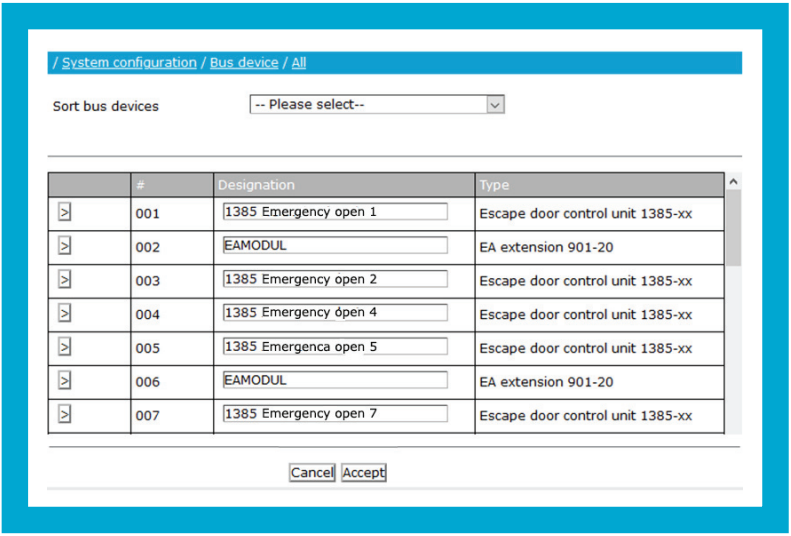


Fig. 72: List of all bus devices

Fig. 73: Sort bus devices

Use this pull-down menu to select the required sort sequence.

[Designation]

This is where you can enter a designation for each bus device.

1 Click on
- 1.1 **Cancel** to cancel without saving,
  or
- 1.2 **Apply** to save.

Bus devices/terminals

You can also find further explanations in section „Step 5: Configure terminals“, Seite 23.

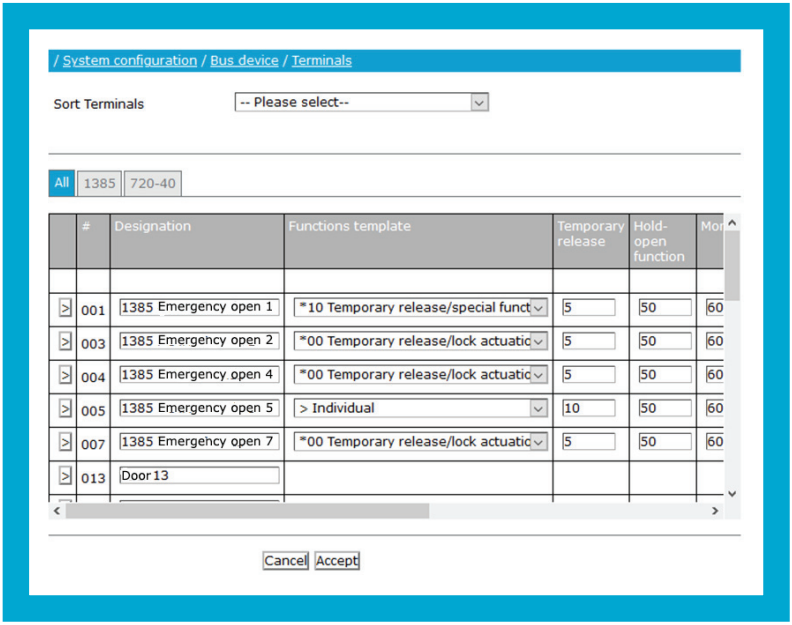
The values can be set as a whole in tabs **1385** and **720-40**.

With the functions template > *only change times* under **Set total >>>** you can change the times for all displayed terminal entries at once.

You cannot change settings highlighted in grey. However, you can enable entry for all values by checking the *Experts* box.

All functions templates marked with a * are pre-defined at the factory and cannot be changed.

Fig. 74: List of terminals



Open configuration

1 To access the configuration for individual terminals, click on the respective button **>** in the corresponding row.

Basic specifications

Here you can see an overview of the information on the selected terminal.

Fig. 75: Information about the selected terminal

1 Select the desired terminal or sort order in the pull-down menus.

The **Configuration overview** function generates a linked HTML file containing all information about the selected terminal.

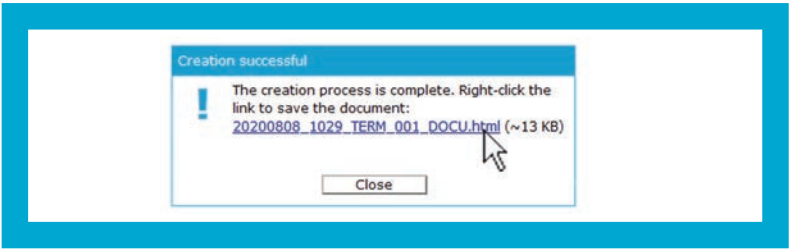


Fig. 76: Generate a linked HTML file

2 Click on the Link

2.1 Right-click on the link to save the file locally.

2.2 Left-click on the link to display the file in the browser.

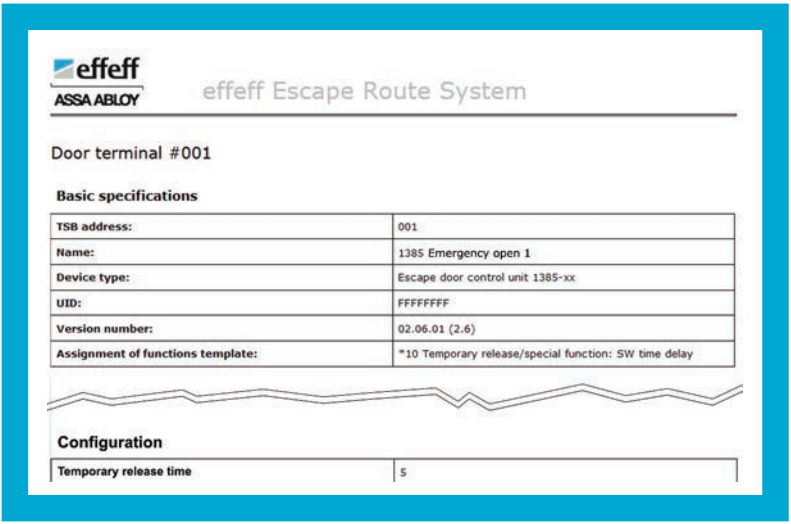


Fig. 77: HTML file with information

The HTML file contains all information about the terminal at a glance, such as settings, inputs, etc. For example, you can archive configurations of different terminals or check and compare them.

Functions templates

Functions templates marked with a * are available for delivery and for resetting to factory settings.

These templates cannot be changed in *FT Manager*.

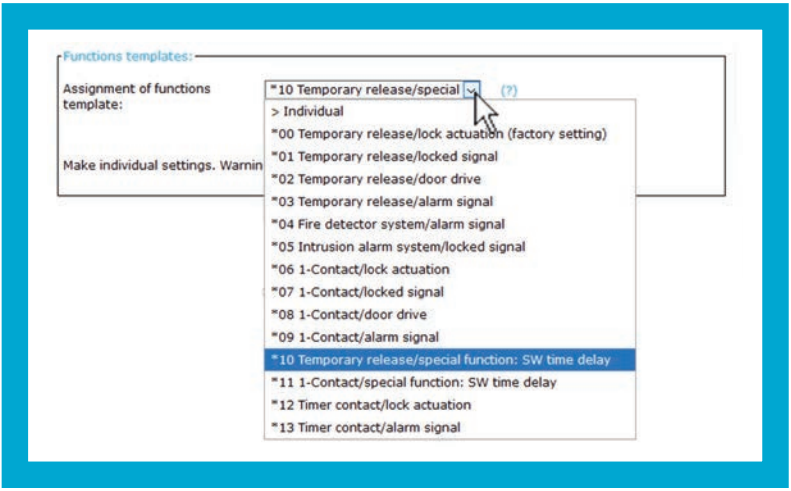


Fig. 78: Assignment of functions templates

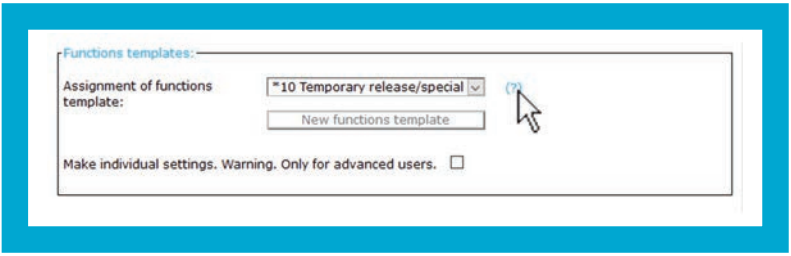
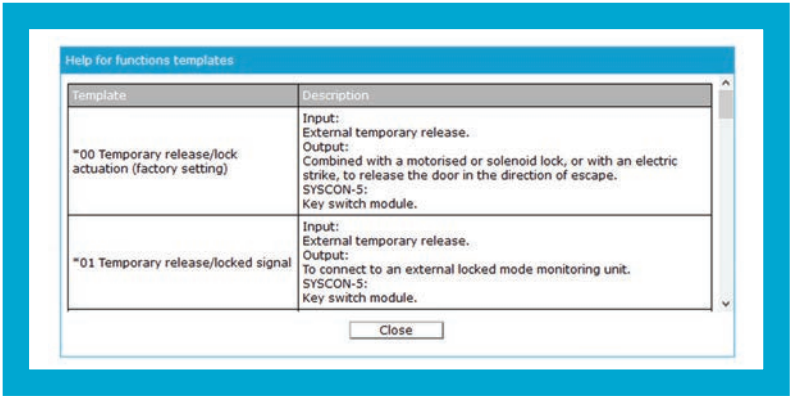


Fig. 79: Access help window for the functions templates

If you click on the question mark, a help window for the functions templates will appear.

Fig. 80:
Display help for the functions templates

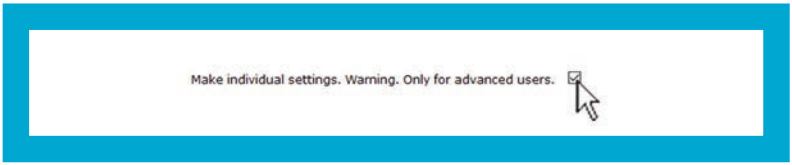


Create functions template

If you have changed the configuration on the selected terminal, you also have the option of adding these settings as a functions template, so you can assign them to other terminals.

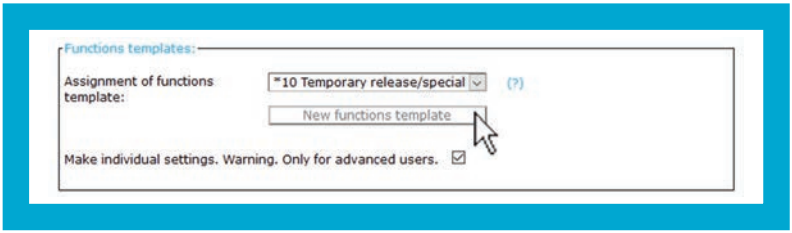
Fig. 81:
Create individual settings

Proceed as follows:



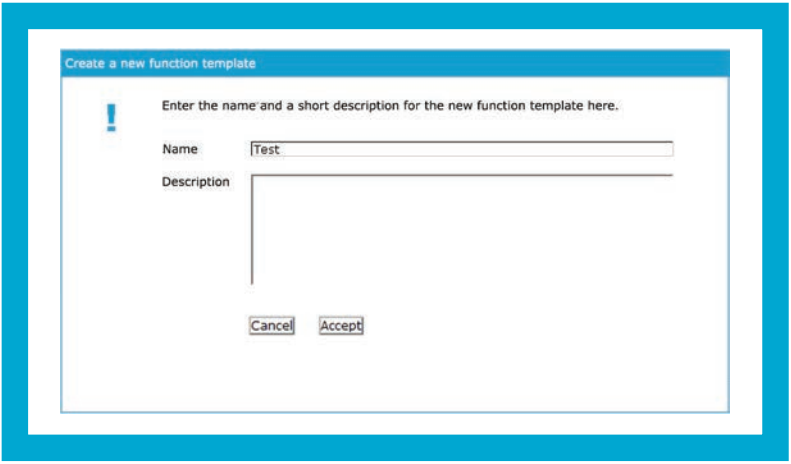
1 Tick *Only for experts* and confirm the entry with **Apply**.

Fig. 82:
Select new functions template



⇨ The **New functions template** button is now no longer highlighted in grey and you can click on it to create a new functions template.

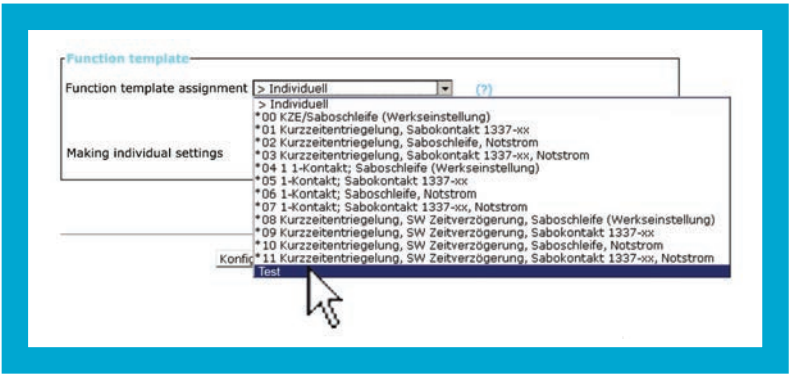
Fig. 83: Create a new functions template



2 Now assign a unique designation and an informative description to your new functions template and accept the input by clicking **Apply**.

⇨ The individual functions template is now displayed in the pull-down menu.

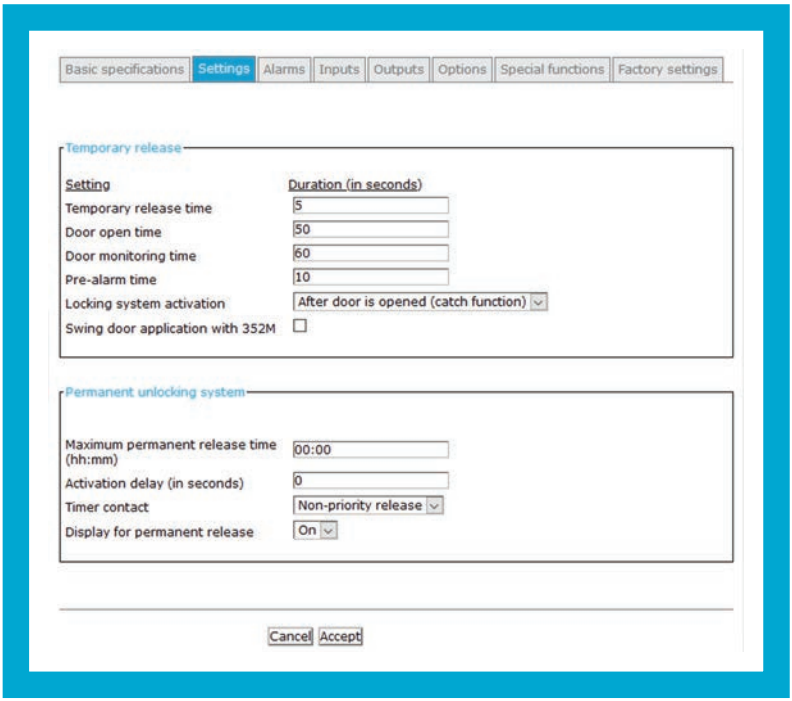
Fig. 84: Display the created functions template



Settings

This is where you can implement individual settings for the temporary release and permanent release on the selected terminal.

Fig. 85: Temporary release settings



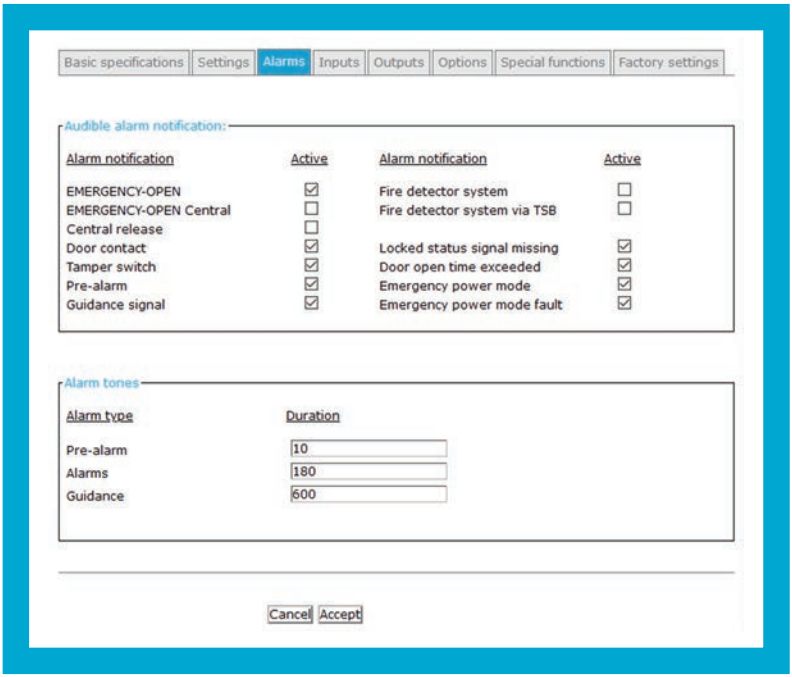
Note!

There is no validity check for the values you enter.

Alarms

This is where you can configure the alarms on the selected terminal.

Fig. 86: Configure alarms



Acoustic alarm

1 Click on the required alarm to check or uncheck the box.

⇨ You have configured the alarms.

Alarm tones

Here you can define the duration of the corresponding alarms (input takes place in seconds). Pressing the Apply button saves the entered data as usual.

Note!

There is no validity check for the values you enter.

Inputs

This is where you can configure the individual inputs on the selected terminal.

Fig. 87: Configure inputs

You can assign the following functions to each screw terminal:

Inverted input

- *A checked box* means that the input signal is inverted.
- *An unchecked box* means that the input signal is not inverted.

Note!

You need to select a function in order to be able to invert an input.

Assignment (additional information for the user)

Currently no function

Outputs

This is where you can configure the individual outputs on the selected terminal.

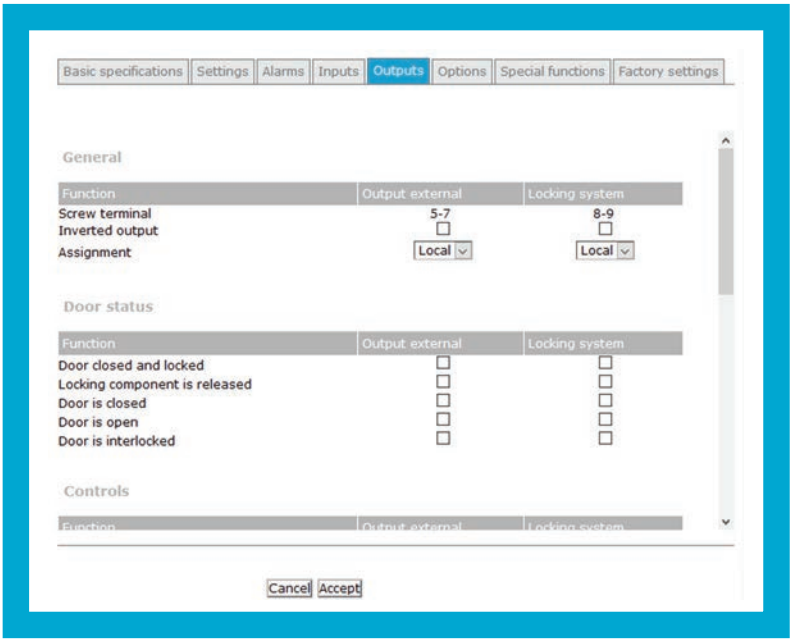


Fig. 88: Configuring outputs

General

You can assign the following functions to each screw terminal:

Inverted output

- *A checked box* means that the input signal is inverted.
- *An unchecked box* means that the input signal is not inverted.

Assignment

Currently no function

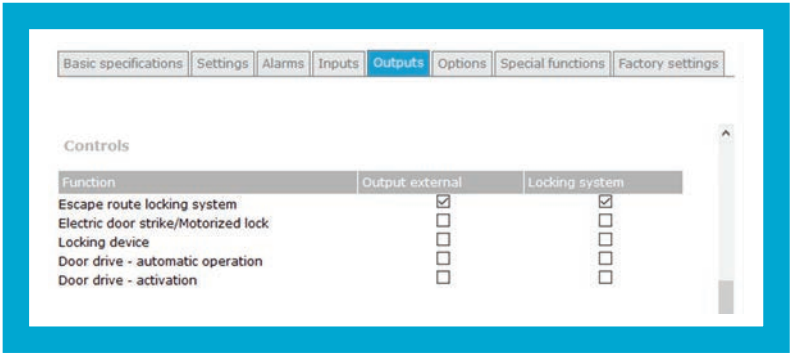
Door status

This is where you can specify how the door status should affect individual outputs on the terminal.

Control

This is where you can assign different control functions to the individual outputs.

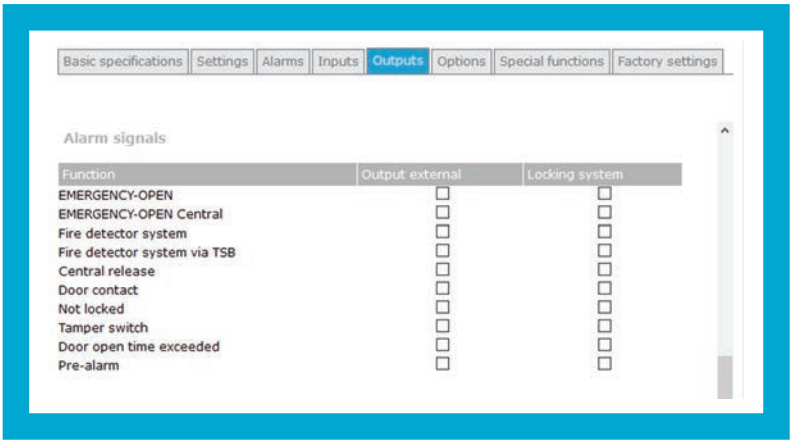
Fig. 89: Assign control functions



Alarm signals

This is where you can assign different alarm signals to the individual outputs.

Fig. 90: Assign alarm message

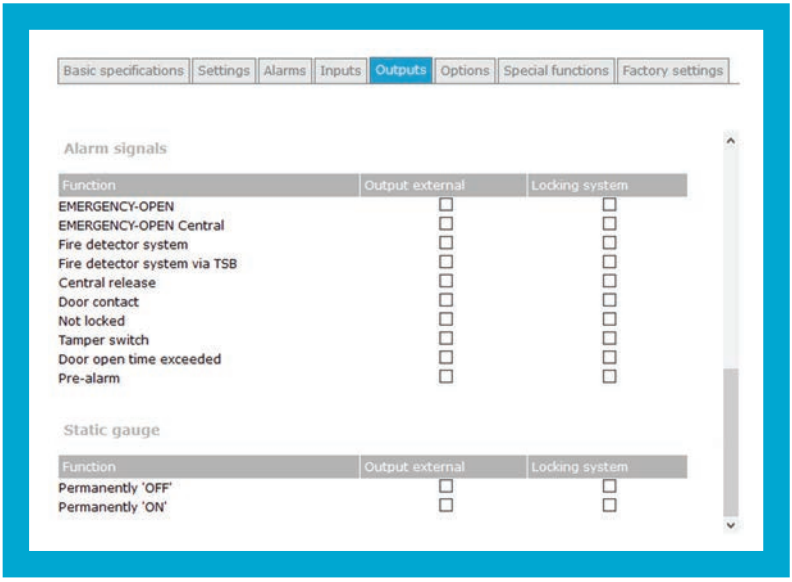


Static gauge

This is where you can specify whether a static level (continuous current feed) should be connected to an output or not.

- Permanently *OFF*: no power supply
- Permanently *ON*: continuous power supply

Fig. 91: Set static level



Options

This tab is where you can specify further option settings for the selected terminal.

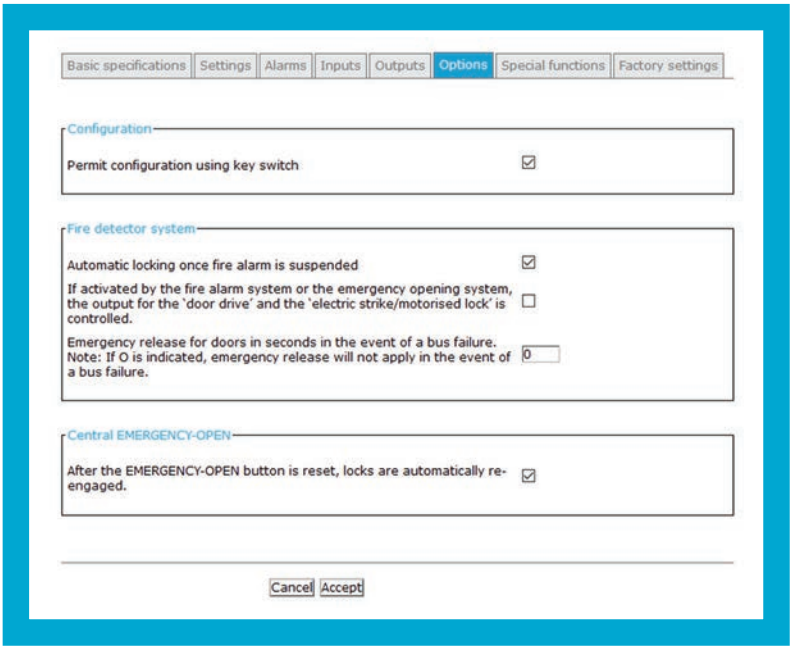
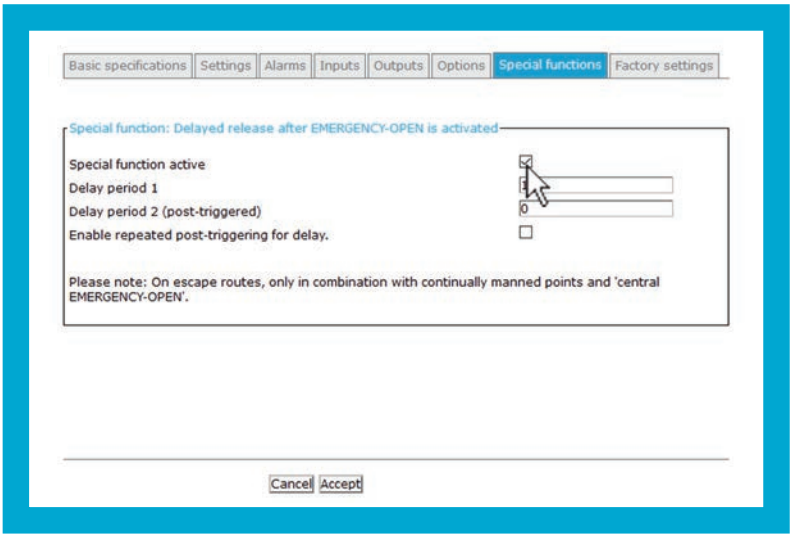


Fig. 92: Define additional options for the selected terminal

Special functions

If the special function is active, you can specify the release delay after the EMERGENCY-OPEN has been actuated.

Fig. 93: Activate special function



To be able to create settings, you must activate the special function (mouse click).

Delay period 1

This where you can specify the delay interval in seconds after the EMERGENCY-OPEN has been actuated.

Delay period 2

This where you can specify the post-triggered delay interval in seconds (maximum EMERGENCY-OPEN delay period) after the EMERGENCY-OPEN has been actuated.

Note!

There is no validity check for the values you enter.

Enable repeated post-triggering for the delay

This is where you can enable repeated post-triggering for the delay period.

Factory settings

All settings you create on the selected terminal can be reset to factory settings here.

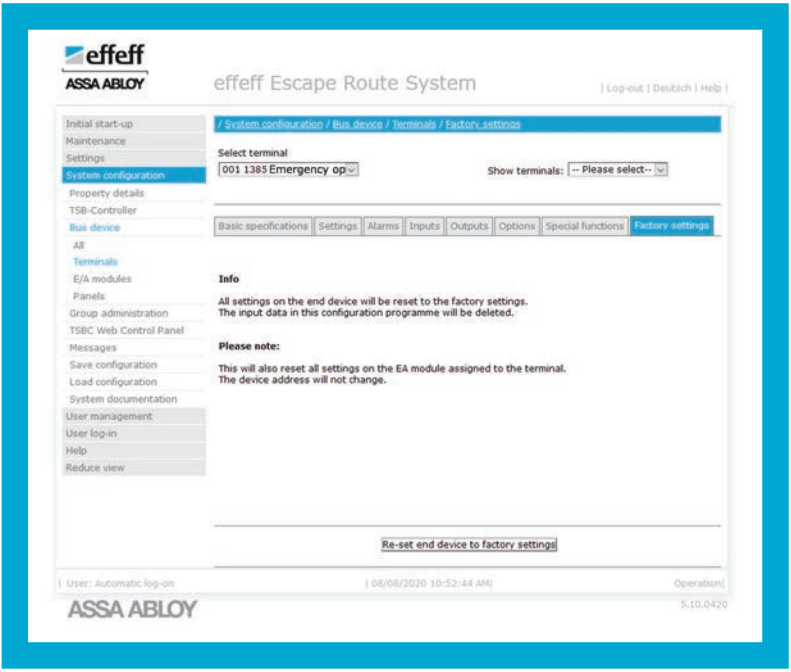


Fig. 94: Reset terminal to factory settings

1 Press the **Reset end device to factory settings** button.

⇨ You have reset the device to factory settings.

Note!

There is no new query before the reset function and no confirmation after it was carried out.

Bus devices / I/O modules

You can also find further explanations in section „Step 6: Configure I/O modules“, Seite 27.

You cannot change settings highlighted in grey. However, you can enable entry of all values by checking the *Experts* box.

All functions templates marked with a *are pre-defined at the factory and cannot be changed with the *FT Manager*.

Fig. 95: Configure I/O modules

/ System configuration / Bus device / E/A modules

Sort E/A modules: -- Please select--

	#	Designation	Functions template (?)	Terminal
		Apply all >>>	> Individual	
>	002	EAMODUL	*00 Link to GLT	# 001 1385 NOTAUF - Adr. 1
>	006	EAMODUL	*01 Door drive	# 005 1385 NOTAUF - Adr. 5
>	113	EAMODUL		No assignment possible
>	114	EAMODUL		No assignment possible
>	115	EAMODUL		No assignment possible
>	120	EAMODUL		No assignment possible
>	121	EAMODUL		No assignment possible

Cancel Accept

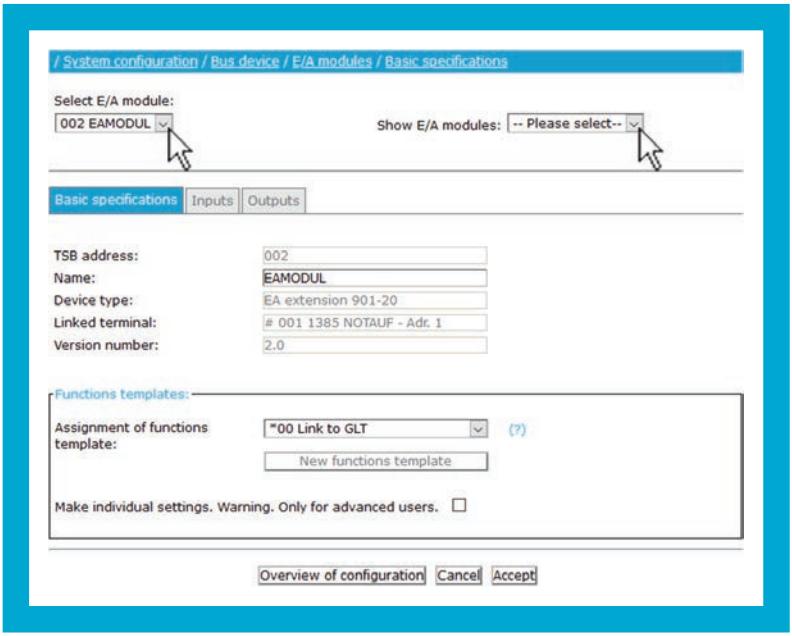
Open configuration

1 To access the configuration for individual I/O modules, click on the respective button > in the corresponding row.

Basic specifications

This tab displays the information overview of the I/O module currently selected.

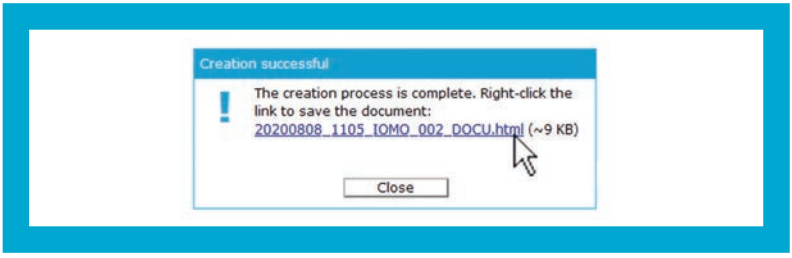
Fig. 96: Basic information about the selected I/O module



1 Select the desired I/O module or sort order in the pull-down menus.

⇨ The **Configuration overview** is generated in a linked HTML file.

Fig. 97: Generate HTML link

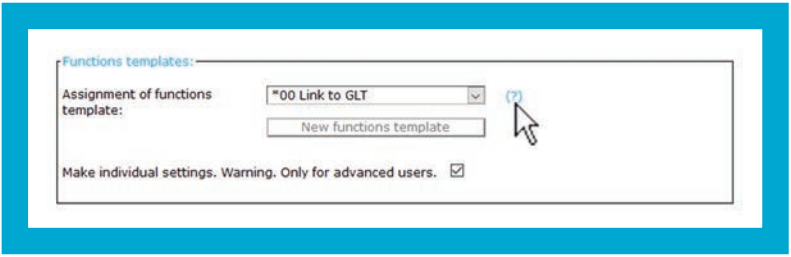


2 Click on the Link

2.1 Right-click on the link to save the file locally.

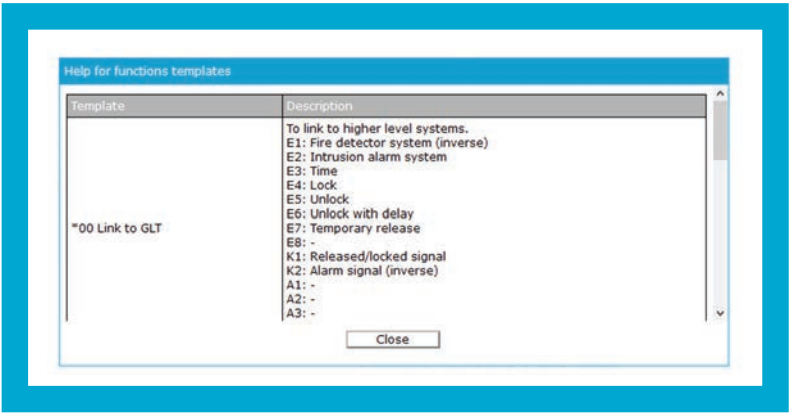
2.2 Left-click on the link to display the file in the browser.

Fig. 98: Access help for functions templates



- If you click on the question mark, a help window for the functions templates will appear.

Fig. 99: Help for functions templates



- If you wish to enable input for other values, you need to check the *For experts only* box and click on **Apply** to accept.

Note!

Creating a **New functions template** works in the same way for all bus participants. See also „Functions templates“, Seite 77.

Inputs

This is where you can configure the individual inputs on the selected I/O module.

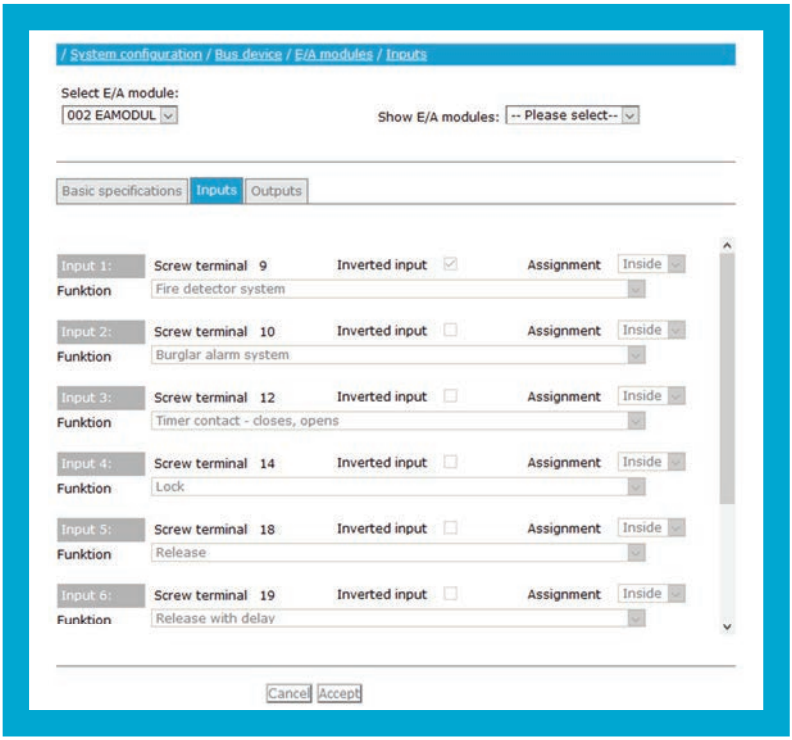


Fig. 100: Configuring I/O module inputs

You can assign the following functions to each screw terminal:

Inverted input

- *A checked box* means that the input signal is inverted.
- *An unchecked box* means that the input signal is not inverted.

Note!

You need to select a function in order to be able to invert an input.

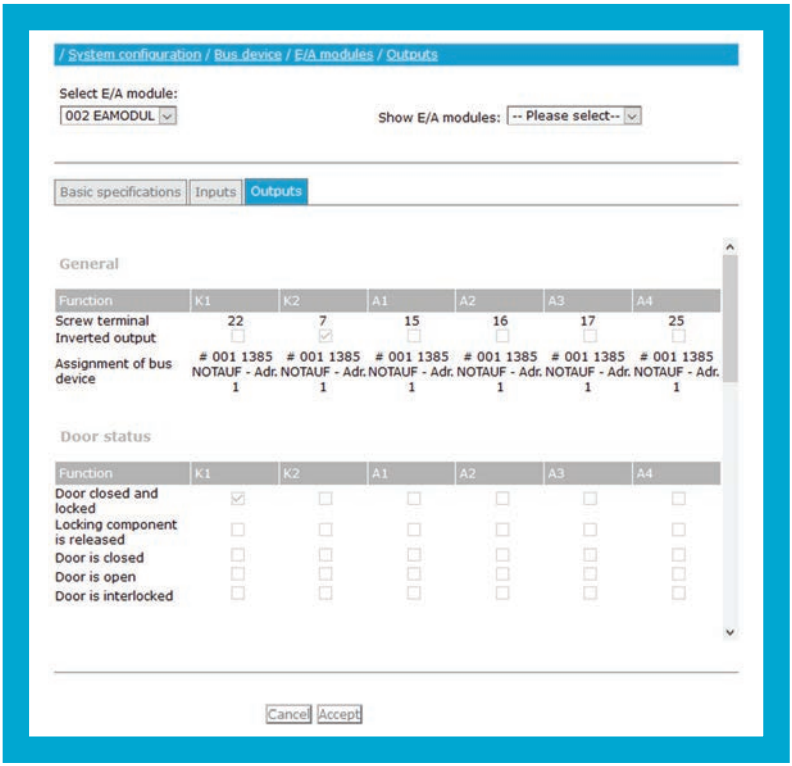
Assignment (additional information for the user)

Currently no function

Outputs

This is where you can configure the individual outputs on the selected terminal.

Fig. 101: Configuring I/O module outputs



General

You can assign the following function to each screw terminal:

Inverted output

- *A checked box* means that the output signal is inverted.
- *An unchecked box* means that the output signal is not inverted.

Door status

This is where you can specify how the door status should affect individual outputs on the I/O module.

Control unit

This is where you can assign different control functions to the individual outputs.

Alarm signals

This is where you can assign different alarm signals to the individual outputs. Of course, several alarms can also be assigned to one output.

Static gauge

This is where you can specify whether a static level (continuous current feed) should be connected to an output or not.

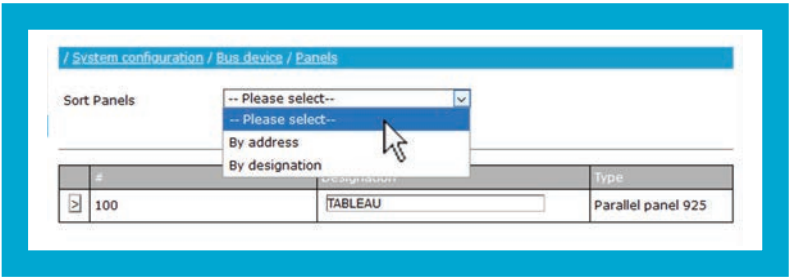
- Permanently *OFF*: no power supply
- Permanently *ON*: continuous power supply

Note!

There is no validity check for the values you enter.

Bus devices / panels

This section enables you to display all detected panels and change their respective designations.



1 Select the desired sort order from the pull-down menu.

⇨ You have set the sort order.

[Designation]

This is where you can enter a designation for each panel.

1 Click on

1.1 **Cancel** to cancel without saving,

or

1.2 **Apply** to save.

Open configuration

To access the configuration for individual panels, click on the respective button > in the corresponding row.

Note!

No configuration settings can be made (display only).

Basic specifications

Here you can now see an overview of the information on the selected panel.

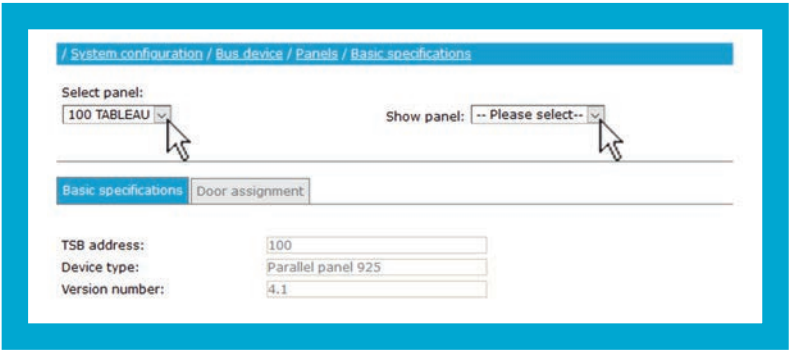


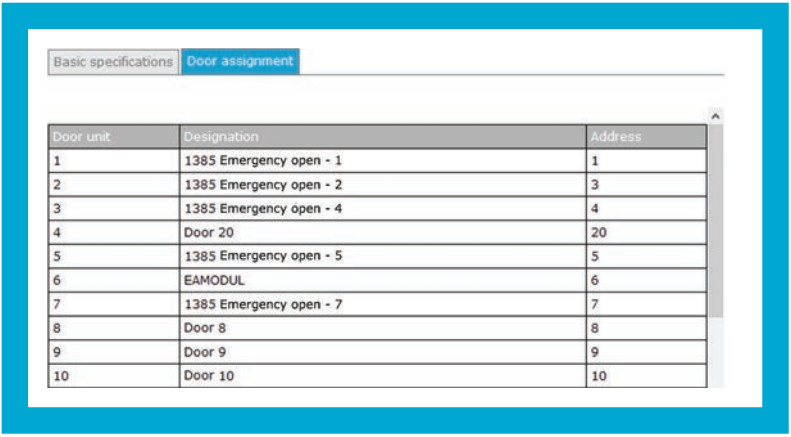
Fig. 103: Basic specifications of the selected panel

1 Select the desired panel or sort order in the pull-down menus.

⇨ You have selected the sort order.

Door assignment

This shows you a list overview of door units, their respective designations and their respective addresses.



Door unit	Designation	Address
1	1385 Emergency open - 1	1
2	1385 Emergency open - 2	3
3	1385 Emergency open - 4	4
4	Door 20	20
5	1385 Emergency open - 5	5
6	EAMODUL	6
7	1385 Emergency open - 7	7
8	Door 8	8
9	Door 9	9
10	Door 10	10

Fig. 104: List of door units and their addresses

Group management / groups

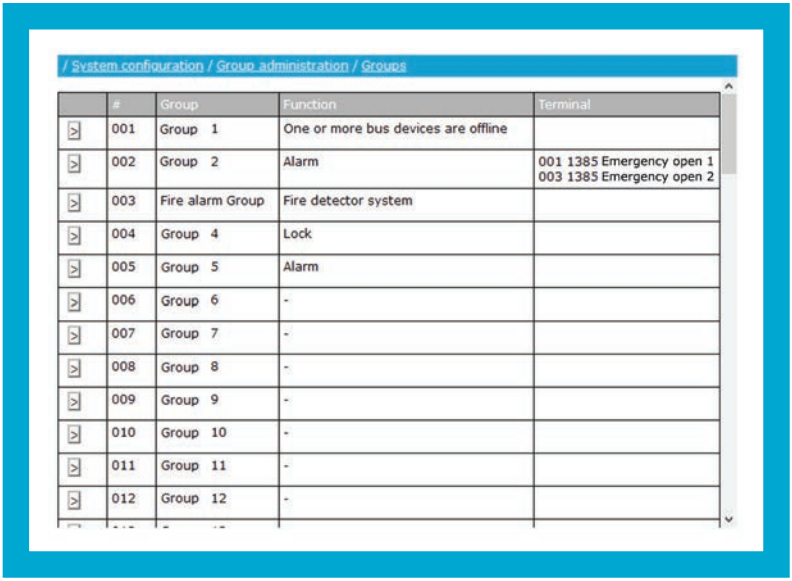
Here you see a list overview of the groups, their function and their terminal.

Note!

A group is a collection of terminals (e.g. doors to a security area or external doors).

You can create a maximum of 64 groups and assign them to these functions. For example, you can group security areas together to trigger an alarm in a group or lock all doors in a group.

Fig. 105: List of created groups



	#	Group	Function	Terminal
	001	Group 1	One or more bus devices are offline	
	002	Group 2	Alarm	001 1385 Emergency open 1 003 1385 Emergency open 2
	003	Fire alarm Group	Fire detector system	
	004	Group 4	Lock	
	005	Group 5	Alarm	
	006	Group 6	-	
	007	Group 7	-	
	008	Group 8	-	
	009	Group 9	-	
	010	Group 10	-	
	011	Group 11	-	
	012	Group 12	-	

Open configuration

To access the configuration for individual groups, click on the respective button > in the corresponding row.

Note!

There is no validity check for the values you enter.

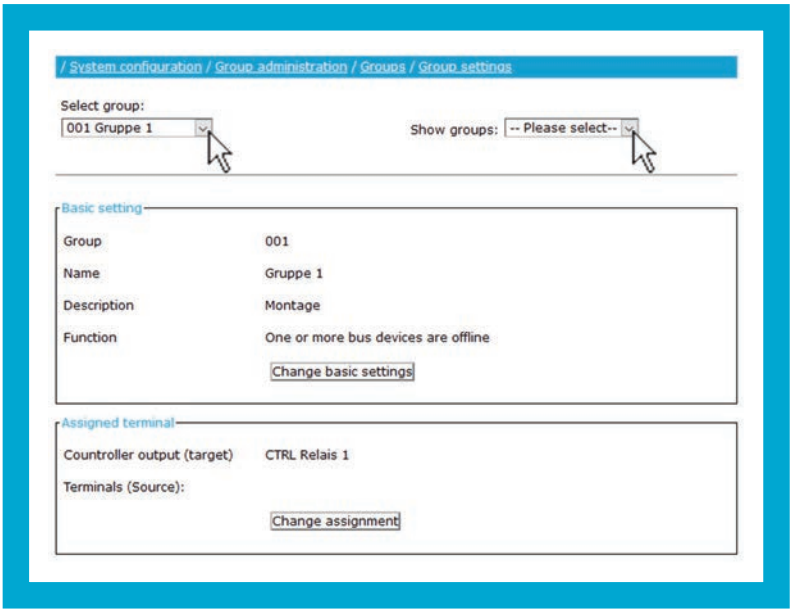


Fig. 106: Configuring individual groups

- Use *Display group* to sort the groups by group number or name.
- You can use a pull-down menu to select the individual groups to view or change the basic settings and the assigned terminals.

Basic settings

1 Click on **Change basic settings** to change the basic settings of a group.

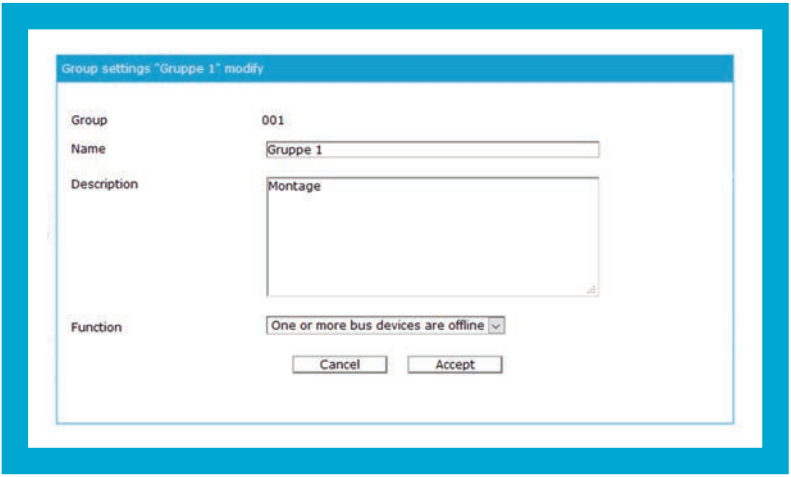


Fig. 107: Change the basic settings of a group

You can change the name of the groups individually here in order to ensure quick identification of up to 64 groups.

You also have the option of describing the groups. For example, here you can describe the function of the groups in more detail or fill them with other information.

A terminal can be assigned to several groups.

The group function makes it easier for you to quickly assign the terminals to the individual predefined functions.

These functions are available on delivery and cannot be changed.

You can assign a function to each group by putting terminals into a group and assigning functions to these individual groups.

The functions are divided into the following **three basic functions**:

- Control functions
- Air lock assignment
- Central messages

You can use a pull-down menu to select the functions to assign them to the previously selected group.

Functions

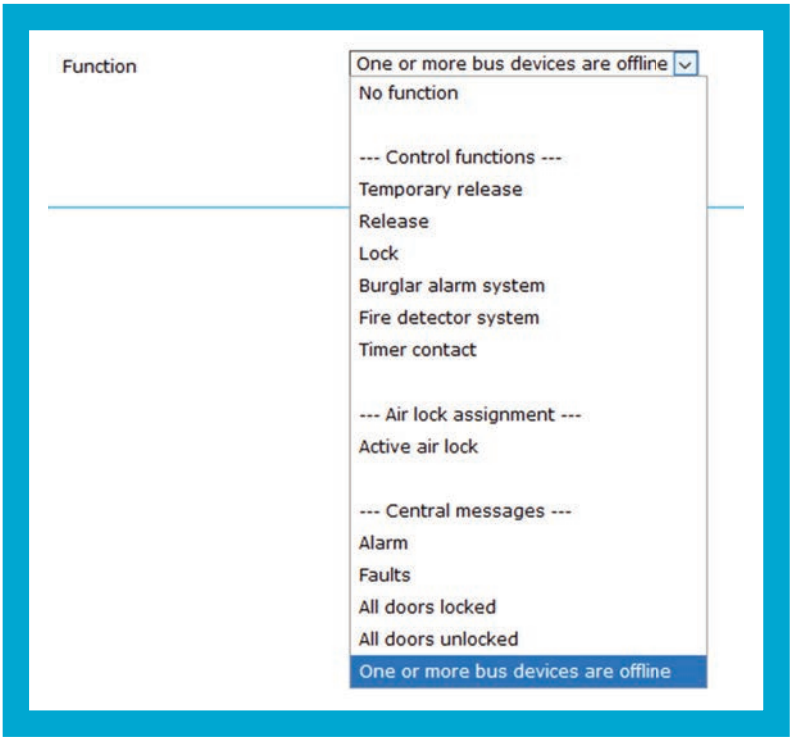
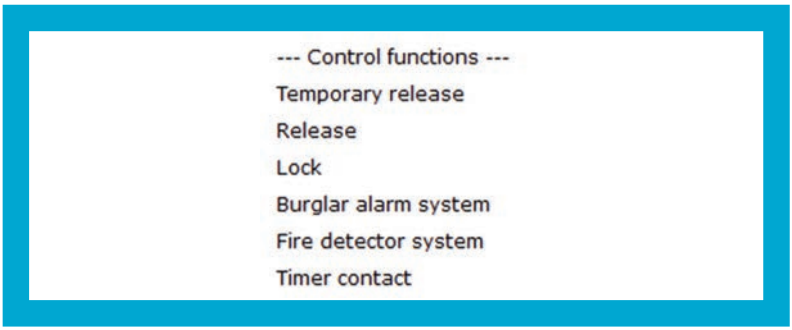


Fig. 108: Select functions and assign them to a group

Control functions

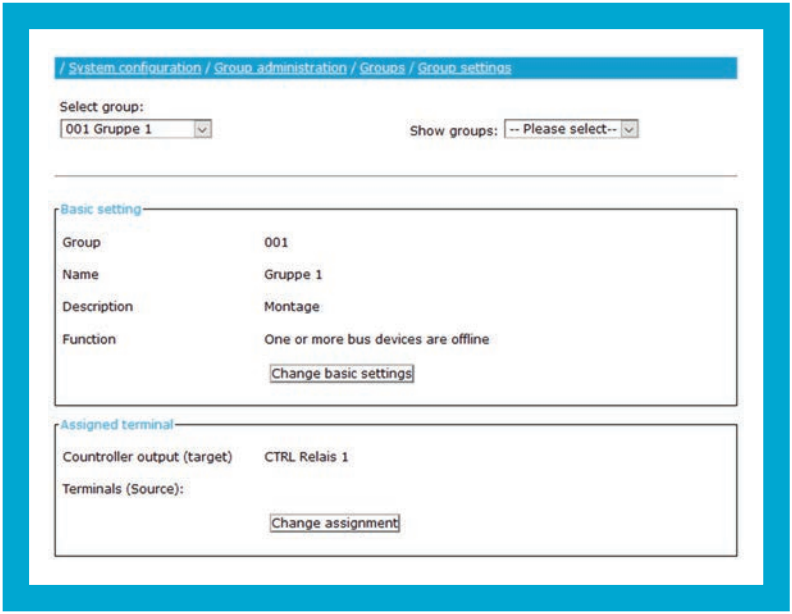
The basic *control functions* include the following functions:

Fig. 109: Access control functions



Unlock *control function* example:

Fig. 110: Example of control function



Assigned terminal

1 Click on **Change the assignment** to change the assignment of the terminals.

Note!

The screens are not dependent on the previously selected basic function.

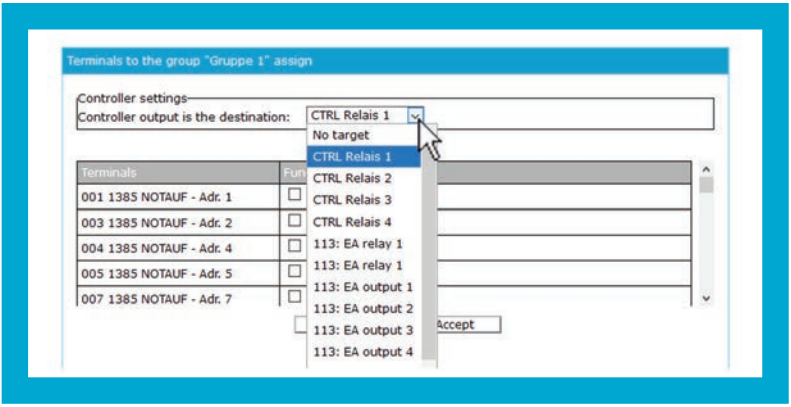


Fig. 111: Change terminal assignment

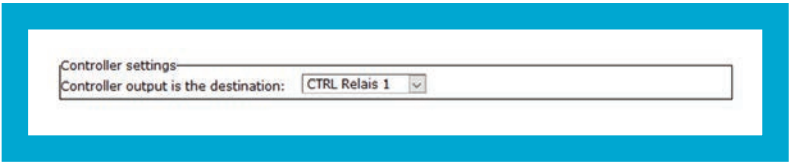


Fig. 112: Change terminal assignment (detail)

The controller input is the source that determines the input of the controller and can also be inverted if required.

In addition to the controllers (inputs and outputs), you can also address I/O extension of the 970-TSBC-20 via the pull-down menus. These I/O modules must lie within a specific address range
(see„Dependencies in address allocation“, Seite 13).

Whether input or output depends on the previously selected group function.

1 Click on
   1.1 **Cancel** to cancel without saving,
   or
   1.2 **Apply** to save.

For the individual terminals, you can also define the *function as a source* and invert it if necessary. This allows you to use both central inputs and inputs on terminals. For the terminals, this is independent of the function actually configured in the terminal.

The *function as source* is the trigger of a function, for example, a terminal input to which a *control function* is assigned.

It is possible to configure more than one trigger, so you can assign several terminals in a group to trigger a function here.

With the selection *as the target*, the group of doors to be controlled by a control function is defined in order to, for example, be controlled by a fire alarm from a central point.

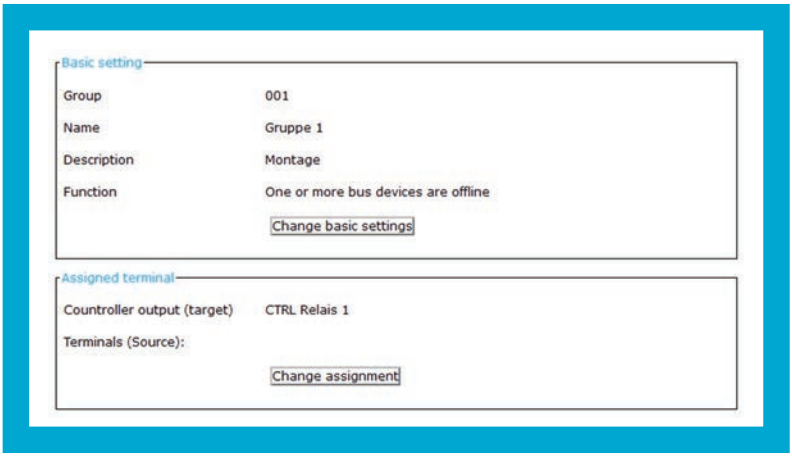
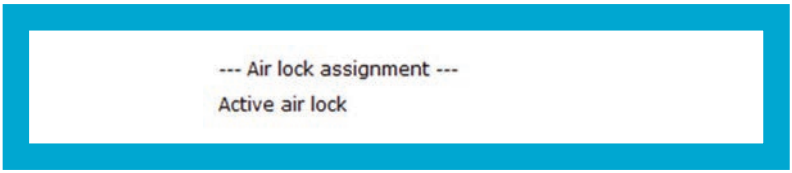


Fig. 113: Example of a group of doors

Air lock assignment

The basic *interlock function* includes the active air lock function, which allows you to implement air lock assignment as in the following example:

Fig. 114: Air lock assignment



Interlock function example

The group function also allows you to set up safety air locks with two or more doors.

Interlock functions are common in medical facilities, laboratories and production areas. where the first door must close before the second one opens. The other doors must then be locked; this is indicated by corresponding light signals on the end devices.

The task for this example is:

Only one door may be open per room in an air lock area.

1 First define your groups according to your air lock area.
These can be designated as described above.

In this example, the group corresponds to the room shown.

Fig. 115: Example of a group with interlock function

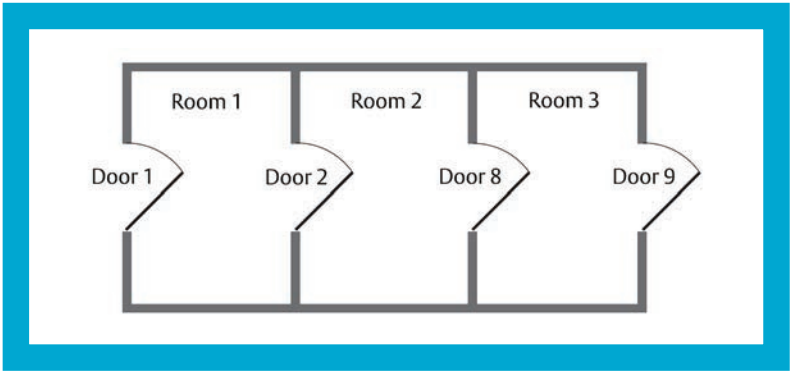
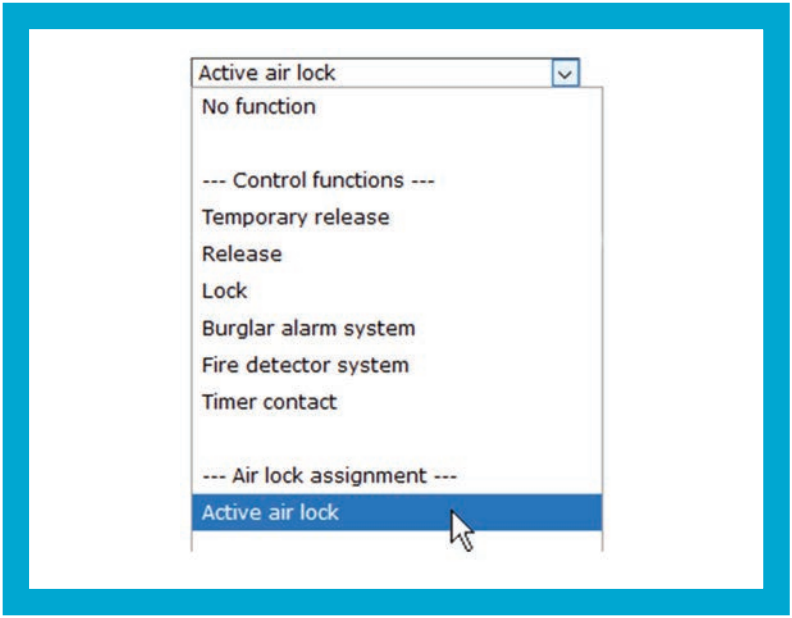


Fig. 116: Assign function to active air lock



2 Next, assign the *active air lock* function to your groups.

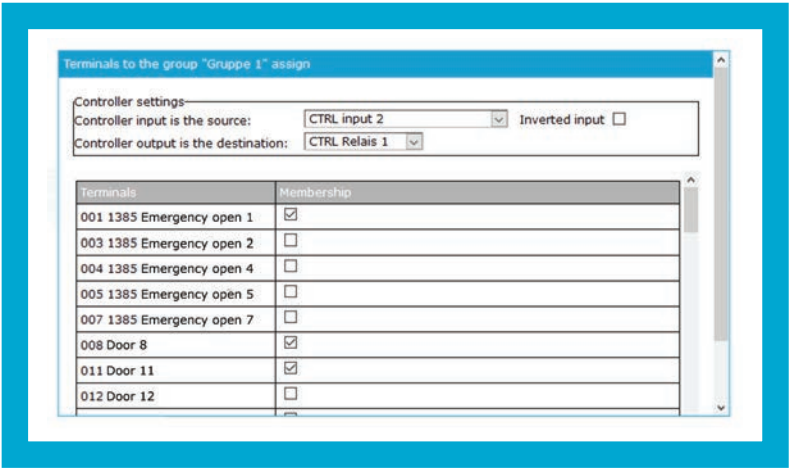
Air lock dependency matrix

Tab. 2: Interlock independence matrix

vz	Function	Door 1	Door 2	Door 8	Door 9
Group 1	Active air lock	X	X		
Group 2	Active air lock		X	X	
Group 3	Active air lock			X	X

3 To configure the air lock dependency according to the matrix, you must assign the terminals (door 1-9) as the next step.
4 Select the appropriate group.
5 Click **Change assignment** to configure membership.

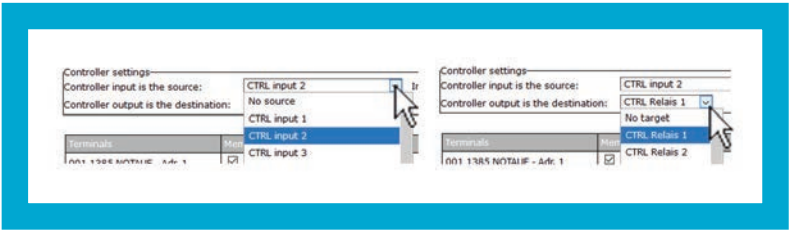
Fig. 117: Group membership of terminals



6 Select the terminals (door) according to their group membership as shown in the matrix.

7 If the interlock function is to be deactivated via an input and the air lock status is to be signalled via an output, define this via the *Controller settings* pull-down menus.

Fig. 118: Assign terminals to the interlock group

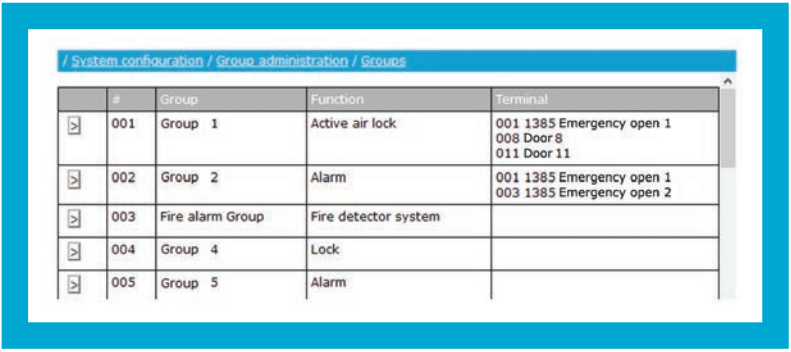


8 Confirm your selection with **Apply**.

⇨ You have assigned the interlock membership.

In the following illustration, you can see the dependencies that are set in the task and implemented in a similar manner in each interlock as an example.

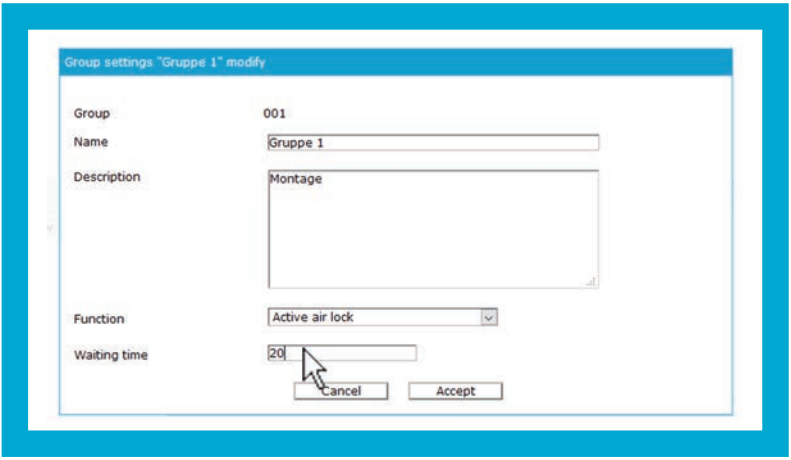
Fig. 119: Created interlock groups with associated terminals



Note!

When permanently unlocked, the interlock function is overridden. For each group with *the active air lock* function, only one door can be unlocked for passage via the temporary release. This dependency can be overridden by requesting permanent release. To avoid unintentional permanent unlocking, an activation delay should be set for this.

Fig. 120: Set wait time



A waiting time is set here which, after opening and closing a door, blocks all doors in Group 2 for temporary unlocking,
e.g.: The time is used for air exchange.

Functional dependencies when the interlock function is active

If a door is integrated into one or more interlock groups and the interlock function is active, the following group functions are deactivated for the door in question:

- Lock
- Release
- Temporary release
- Timer contact - closes, opens

In addition, on the 925 control panel, the *central locking and unlocking* button and the timer input do not work for the door in question.

Central messages

The basic *central messages* function includes the following functions:

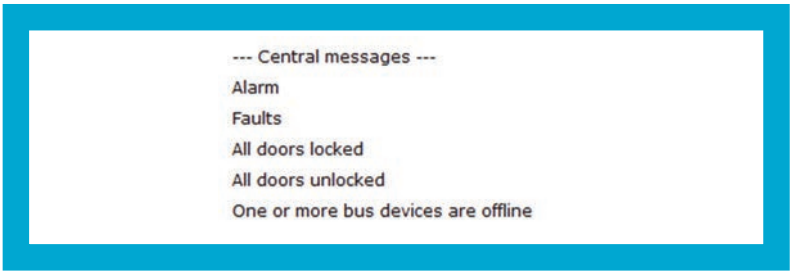
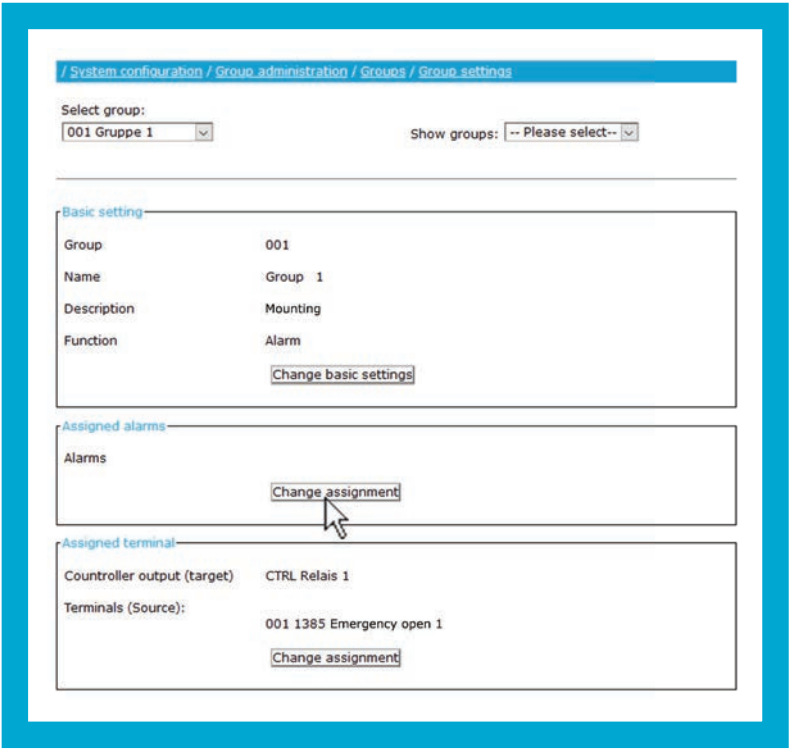


Fig. 121: Access central messages

Alarm function

The alarm function allows you to assign an alarm function to a specific terminal.

Fig. 122: Assign alarm function



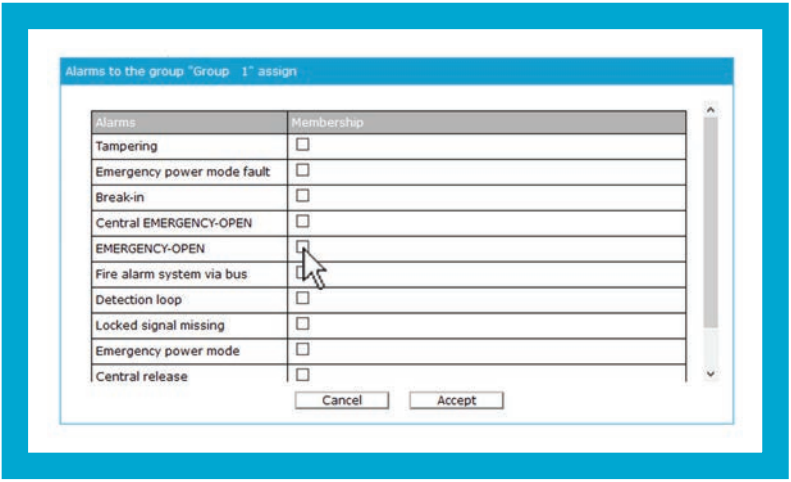
Note!

The screens are not dependent on the previously selected basic function.

Assigned alarms

1 Click on **Change assignment** to select or change the assignment of alarms.

Fig. 123: Change assignment of alarms



You can then assign an alarm to the respective group with a mouse click. In addition to the alarms in which you can also assign the alarms, the basic *Central messages* function also includes alarm signal functions such as *faults*, *all doors locked*, etc., in order to trigger a message via a central output, e.g. controller or I/O module with one or more terminals, for example.

By assigning the terminals as a source to a group, the affected doors are selected.

Fig. 124: Assigning terminals to a group

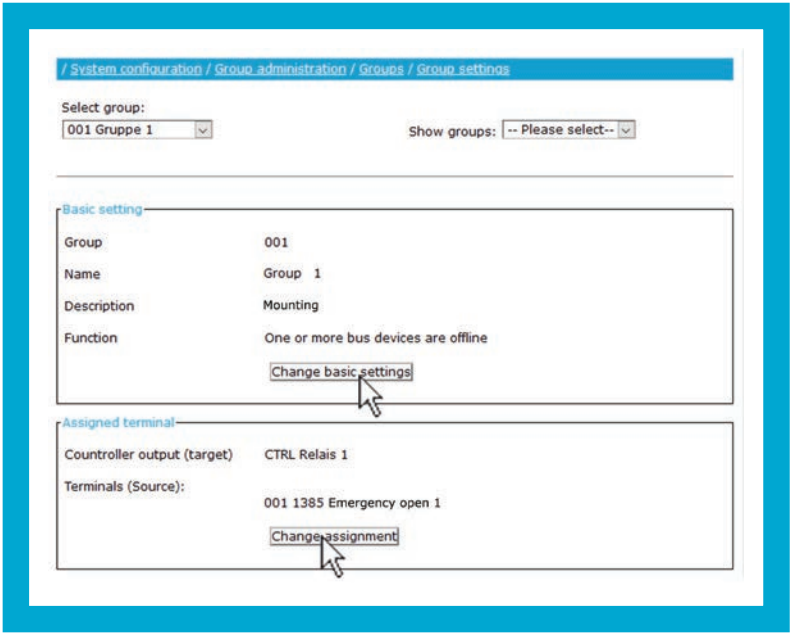


Fig. 125: Display terminal overview

Group management / terminal overview

Here you see a list overview of the terminals and their assigned groups.

/ System configuration / Group administration / Terminal view

#	Terminal	Assigned groups
001	1385 Emergency Open 1	001 Group 002 Group
003	1385 Emergency Open 2	002 Group
004	1385 Emergency Open 4	
005	1385 Emergency Open 5	
007	1385 Emergency Open 7	
008	Door 8	
011	Door 11	
012	Door 12	
013	Door 13	
014	Door 14	
015	Door 15	
016	Door 16	
017	Door 17	
018	Door 18	
019	Door 19	

TSB Web Control Panel / settings

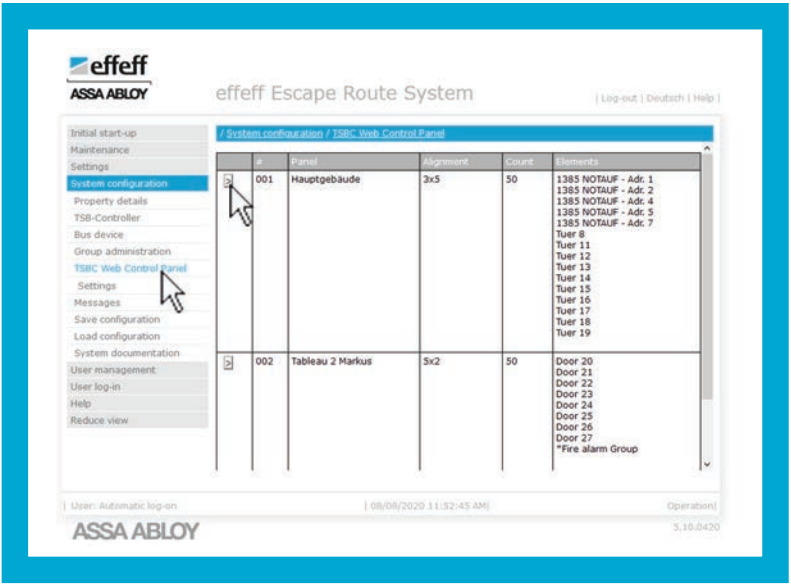
In this area you can create settings and assign panels.

For operating the virtual panel, see separate manual *TSBC Web Control Panel* (D0125600).

You must first activate the licence for this area (see section„TSB controllers/system licenses“ auf Seite 70).

Access can only take place from one computer at a time! The licence is limited to one device (one IP address) per panel, i.e. an additional licence is required for each additional access. The total number of licenses is limited to 5.

Fig. 126: Changing panel settings



1 Click *Settings* on the left side of the menu or select the desired panel in the overview to access the settings.

⇨ You have accessed the settings.

Settings

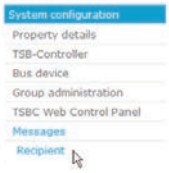
Fig. 127: Basic panel settings

In the *Basic settings* field, the name of the panel and the orientation can be changed.

- To do this, click in the corresponding field or select the desired orientation from the pull-down menu and confirm the changes with **Apply**.
- Depending on the desired and previously selected orientation, you can determine and apply the assignment of doors and groups in the *Assignment* field.

Note!

You can check the selected settings by clicking the *Preview* link and, if necessary, change them again as described above. The preview for the selected panel appears in a separate window. The address from the address bar of the browser window is the address that the user of the panel later requires. The user must be created beforehand (see section „User administration“, Seite 127).



Messages / recipients

In this area you can display all message recipients and their data, change or delete their data and create new message recipients.

The message recipients receive an e-mail/SMS depending on the setting if alarms, faults or maintenance work are present for the assigned terminals/groups.

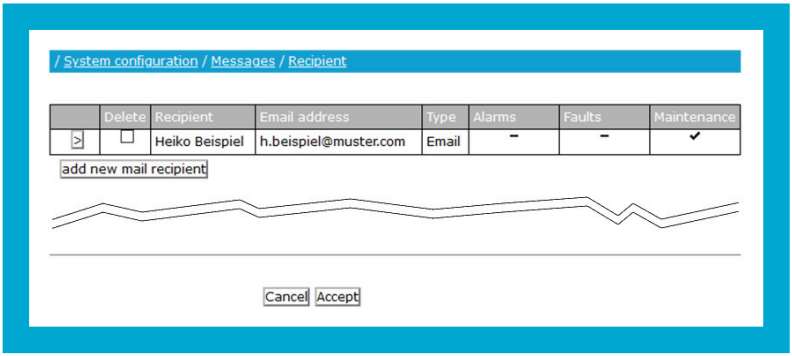


Fig. 128: Display message recipients

1 Click the **Add e-mail recipient** button to add a new message recipient

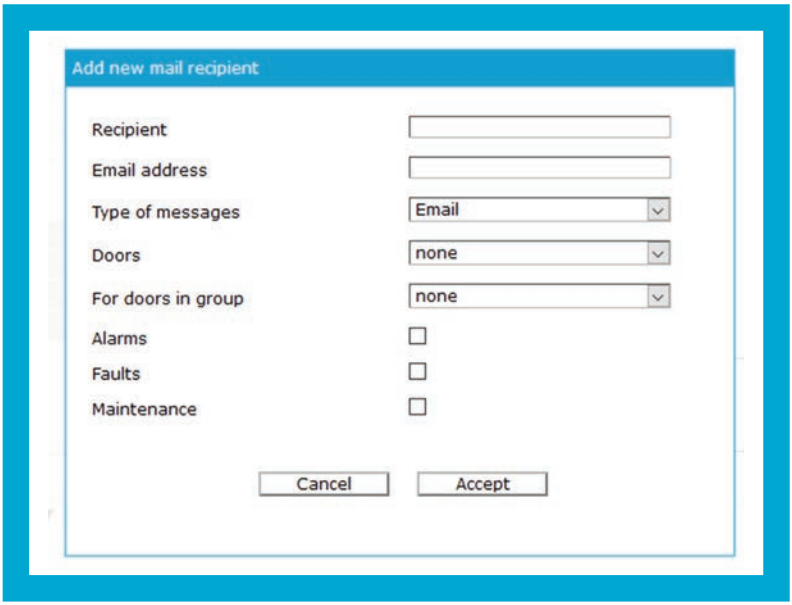
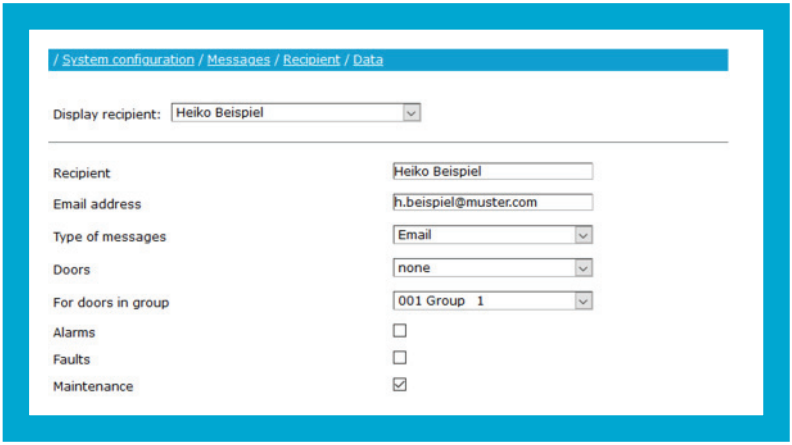


Fig. 129: Create new message recipients

2 To access the configuration for individual e-mail recipients, click on the respective button > in the corresponding row.

Fig. 130: Configure message recipients



Recipients

Here you can enter a recipient name to be notified for a specific reason (fault, maintenance, alarm).

E-mail address

Enter the e-mail address of the recipient under which the recipient should be notified.

Message type

The e-mail or SMS message type is available via a pull-down menu.

For door

Here you can select a specific door via a pull-down menu for which the notification is to be made.

For doors in a group

Here you can select a specific group that will trigger a message via a pull-down menu.

Alarms, faults, maintenance

Use this selection to specify the reason the recipient should be notified.

Übersetzung fehlt in Abbildung

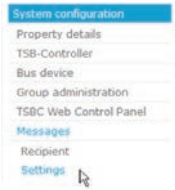
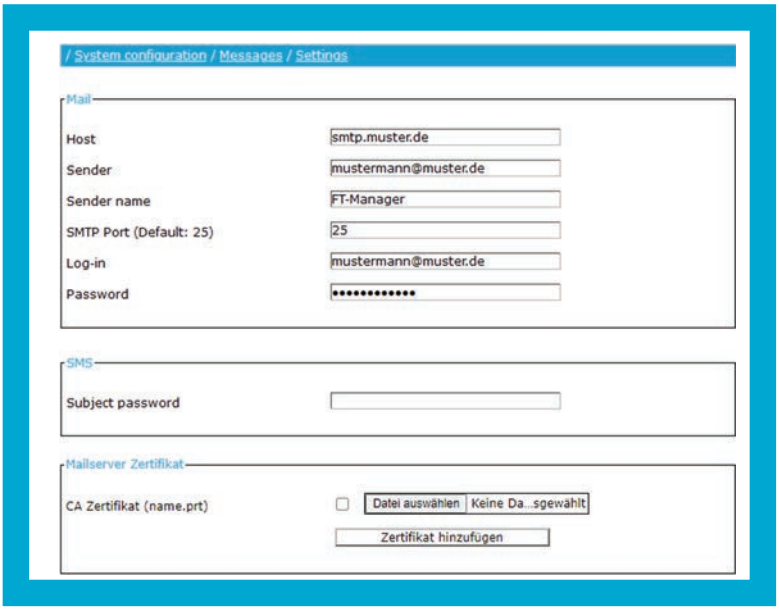


Fig. 131: Creating settings

Messages / settings

Create all settings conscientiously; the *Sender* field is important so that the message recipient knows where the message is coming from.



Host

Depending on the gateway, it is necessary to use the corresponding IP here. The IP can be determined by *ping*.

Sender

Enter a valid contactable sender's e-mail address here, as the TSB controller cannot accept an e-mail reply.

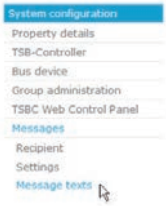
Login and password

Enter your access data for your e-mail account here so that the messages can be sent.

By triggering an event, e.g. alarm at the door, you can perform a test in order to check the functionality of the settings.

CA Zertifikat

Hier können Sie ein neues CA-Zertifikat für eine SSL-Verbindung hinzufügen.



Messages / message texts

You can set the texts of the messages here.

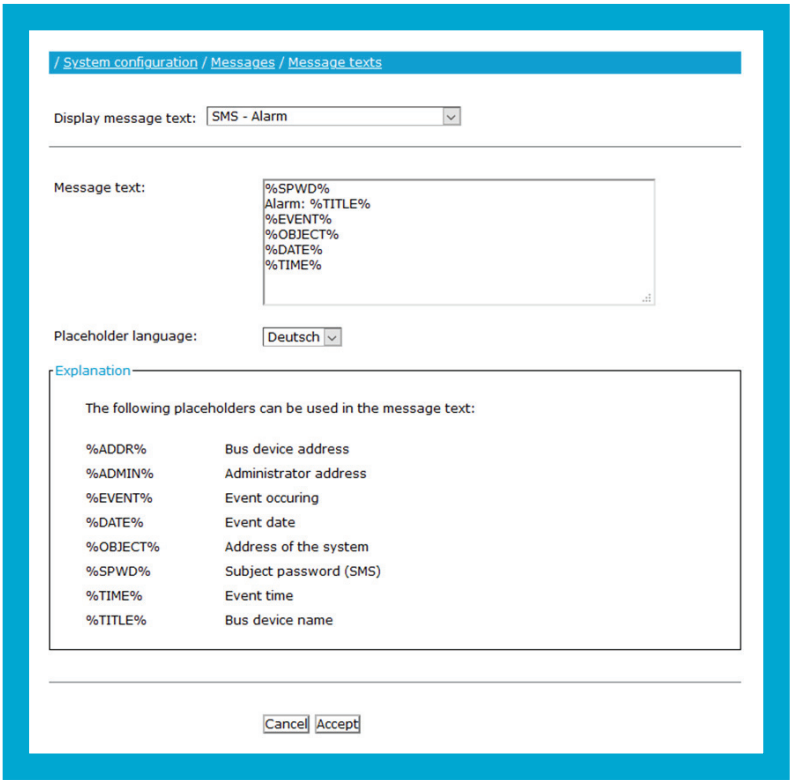


Fig. 132: Configuring message texts

The messages are there to inform the responsible personnel in the event of pending alarms/faults/maintenance work.

Notifications can be sent by e-mail or SMS.

The following messages are already predefined:
- E-mail - alarm
- E-mail - disruption
- E-mail - maintenance
- SMS - alarm
- SMS - fault
- SMS - maintenance

The placeholders are automatically replaced with the corresponding values when the message is sent.

[Message text]
Here you see a preview of the message text.

The message texts contain the necessary information (the device, the event that occurred, the system address, the date of the event, the time of the event) required by the personnel to process the event.

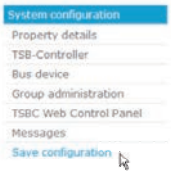
You can change the message texts individually.

Achtung!

If you reset *FT Manager* to factory settings, all text changes will be deleted.

[Language for placeholder]
You can select the language in a pull-down menu here.

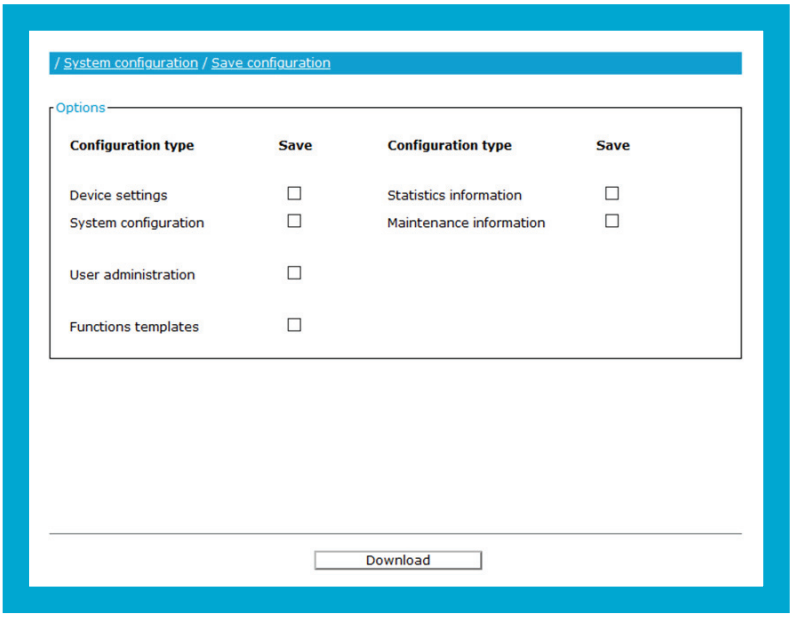
[Explanation]
You will find an explanation of the placeholders available here.



for configuration back-up

Save configuration

This section enables you to select which *FT Manager* data should be saved in an XML file to provide a back-up.



Note!

When this function is executed, there may be a reaction time delay in the background. Depending on the system, type and number of connected devices, this may take a few minutes.

1 Check the box for each individual option you wish to download.
2 Click on **Download** to generate linked XML files that contain the configurations.
⇨ The file names are automatically generated with the corresponding file extension.

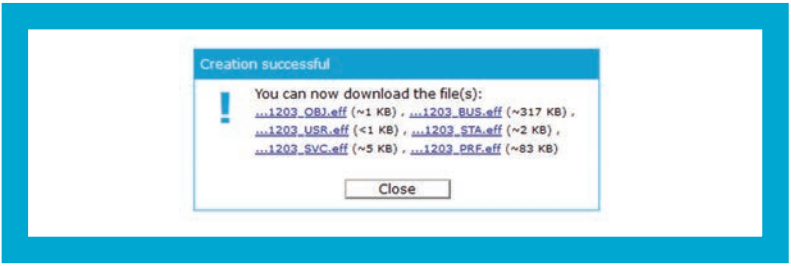
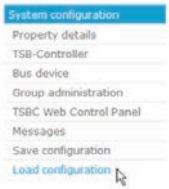


Fig. 134: Create back-up files

3 Right-click on a link to save the associated file locally.



Load configuration

You can upload your back-up data onto *FT Manager* at any time to regenerate your configuration – after a system crash, for instance.

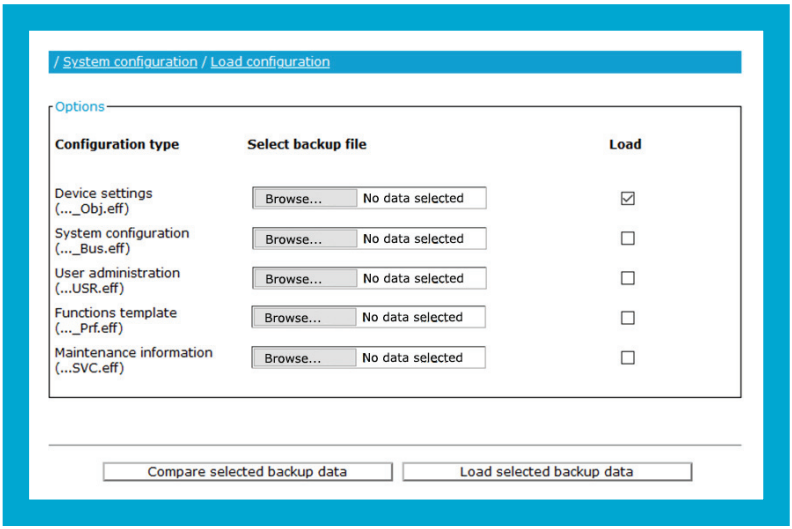


Fig. 135: Select configuration file

Note!

When this function is executed, there may be a reaction time delay in the background. Depending on the system, type and number of connected devices, this may take a few minutes.

1 Open a pop-up selection window by clicking on **Browse...** to select the required back-up file.
2 Then check the files you wish to load using the mouse.

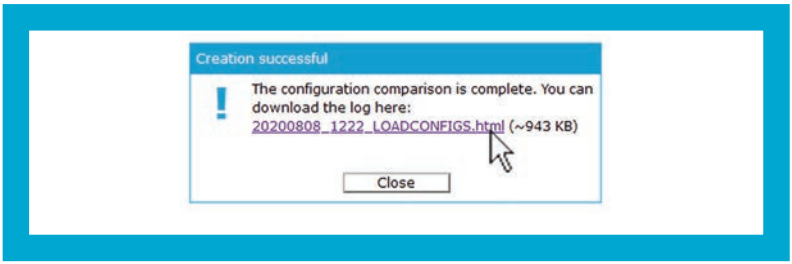
⇨ You have loaded an existing back-up file.

The following functions are available for your use:

1 Click on the **Compare selected back-up data** button to compare the current data with the back-up files.

⇨ The result will then be displayed as a linked HTML page.

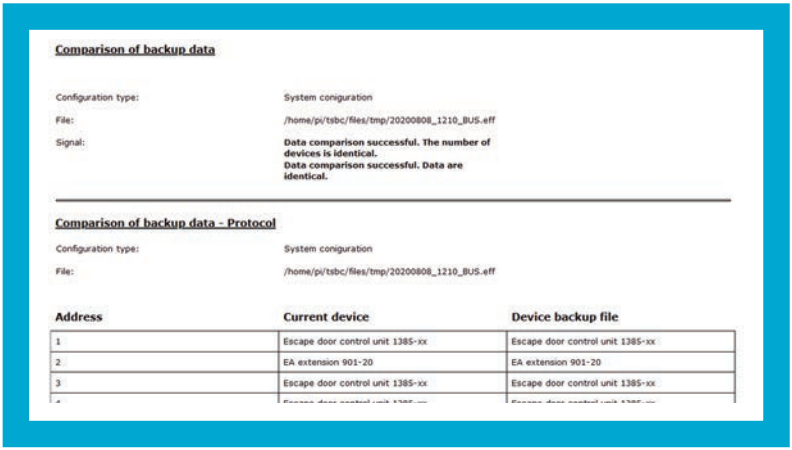
Fig. 136: Link to HTML file



2 Click on the link to display the file in the browser.

⇨ The file is displayed in the browser.

Fig. 137: Display file in browser



Comparison of backup data

Configuration type:	System conigurationn
File:	/home/pi/tsbc/files/tmp/20200808_1210_BUS.eff
Signal:	**Data comparison successful. The number of devices is identical. Data comparison successful. Data are identical.**

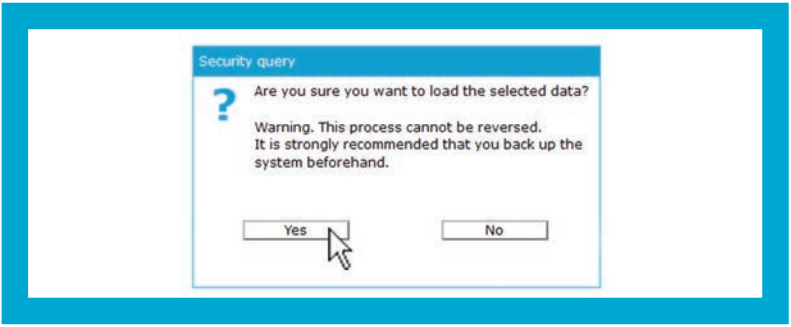
Comparison of backup data - Protocol

Configuration type:	System conigurationn
File:	/home/pi/tsbc/files/tmp/20200808_1210_BUS.eff

Address	Current device	Device backup file
1	Escape door control unit 1385-xx	Escape door control unit 1385-xx
2	EA extension 901-20	EA extension 901-20
3	Escape door control unit 1385-xx	Escape door control unit 1385-xx

3 Click the **Load selected back-up data** button to load the backed-up data into *FT Manager*.

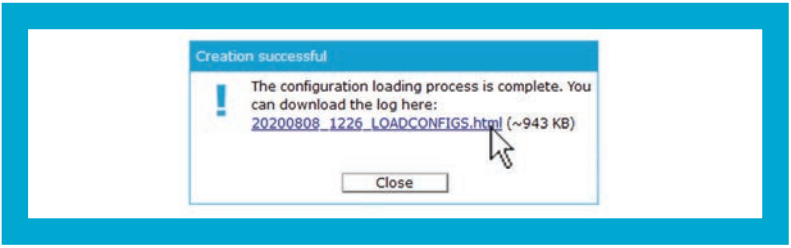
Fig. 138: Security query



4 Accept the security query.

⇨ The result will then be displayed as a linked HTML page.

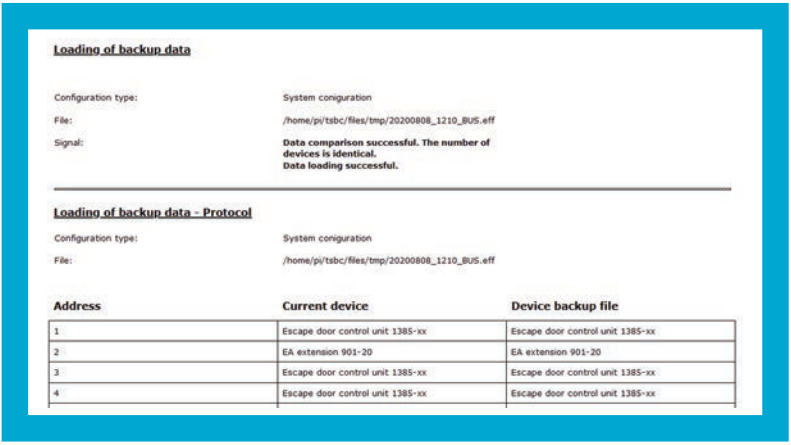
Fig. 139: Generate a linked HTML file



5 Click on the link to display the file in the browser.

⇨ The file is displayed in the browser.

Fig. 140: Display file in browser



Loading of backup data

Configuration type:	System conigurationn
File:	/home/pi/tsbc/files/tmp/20200808_1210_BUS.eff
Signal:	**Data comparison successful. The number of devices is identical. Data loading successful.**

Loading of backup data - Protocol

Configuration type:	System conigurationn
File:	/home/pi/tsbc/files/tmp/20200808_1210_BUS.eff

Address	Current device	Device backup file
1	Escape door control unit 1385-xx	Escape door control unit 1385-xx
2	EA extension 901-20	EA extension 901-20
3	Escape door control unit 1385-xx	Escape door control unit 1385-xx
4	Escape door control unit 1385-xx	Escape door control unit 1385-xx

System documentation

In this area you can select individual or all system settings and configurations to view, save and print this information.

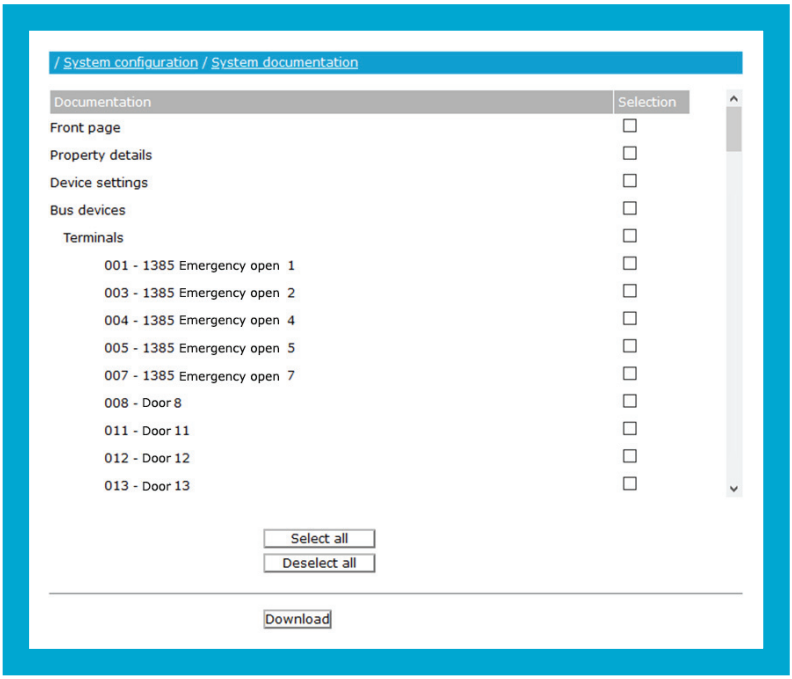


Fig. 141: Configure system documentation

Note!

When this function is executed, there may be a reaction time delay in the background. Depending on the system, type and number of connected devices, this may take several minutes.

1 Place a check mark next to the desired system settings and configurations.
- Click on **Select all** to check all options.
- Click on **Deselect all** to uncheck all the boxes.

2 Click on **Download** to generate a linked HTML file that contains the selected system settings and configurations.

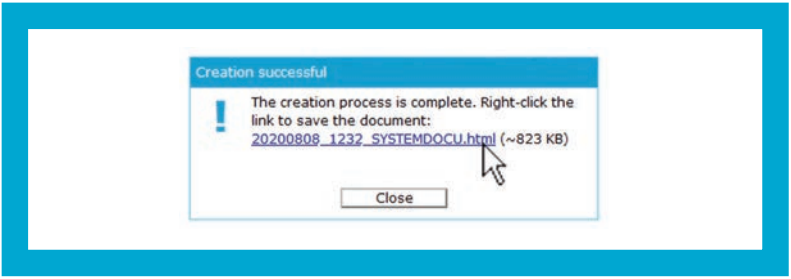


Fig. 142: Configure system documentation

3 Click on the Link
3.1 Right-click on the link to save the file locally.
3.2 Left-click on the link to display the file in the browser.

User administration

New users can be created and edited in user administration.
You can define individual authorisations for the created users.
The following table is intended to help you with the configuration.

Users and rights

Tab. 3: List of parameters relevant to KESO partners

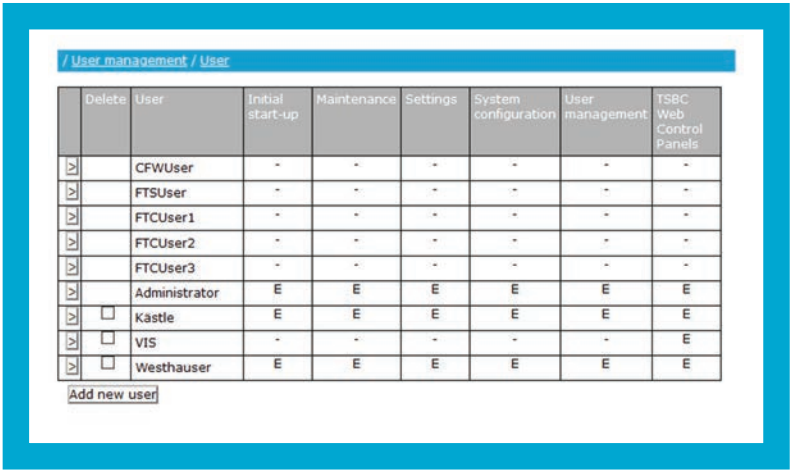
Users	Rights
Administrator	• Password *admin* according to factory settings • Cannot be deleted or restricted within rights.
CFWUser	• Users for firmware updates • The password is printed on a sticker on the back of the main board • User entry is visible in user administration of the controller
FTSUser	• Users for FT server interface • Password empty; deactivated until assigned • System user cannot be deleted!
FTCUser1 FTCUser2 FTCUser3	• 3x users for FT Connect interface • Password empty; deactivated until assigned • System user cannot be deleted!
Users can be created individually	• Users for controller configuration • Rights can be assigned individually by the administrator or user with corresponding rights

Note!

The user administrator provides additional security, which is why it is always recommended to create users for the controller configuration.

User

Fig. 143: Select users



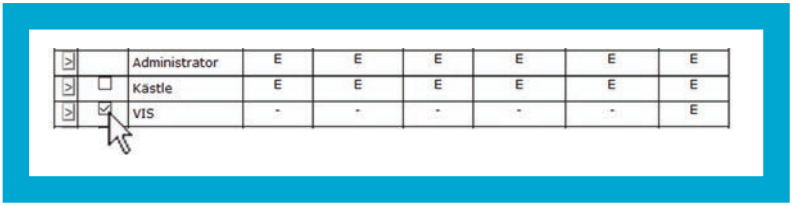
The login is fixed. You can change the respective user-related password.

Rights such as: Maintenance, settings, user administration assigned to the individual users can be viewed here at a glance.

- The entry *B* in the overview table stands for *Edit*.
- The entry *L* for *read permissions*.

Delete user

Fig. 144: Delete users



Individually created users for the controller configuration can be deleted with this selection and confirmed with **Apply**.

Add user

1 Click on **Add user** to add a new user.
   · In the *Name* field, create a new user
   · Both password fields must be filled in to create a new user

⇨ The rights are then assigned by the administrator or a user with corresponding rights.

Fig. 145: Add new users

Note!

If you create a user for a *virtual panel*, use numeric passwords if possible; this makes it easier to enter them later when the user logs in.

User details

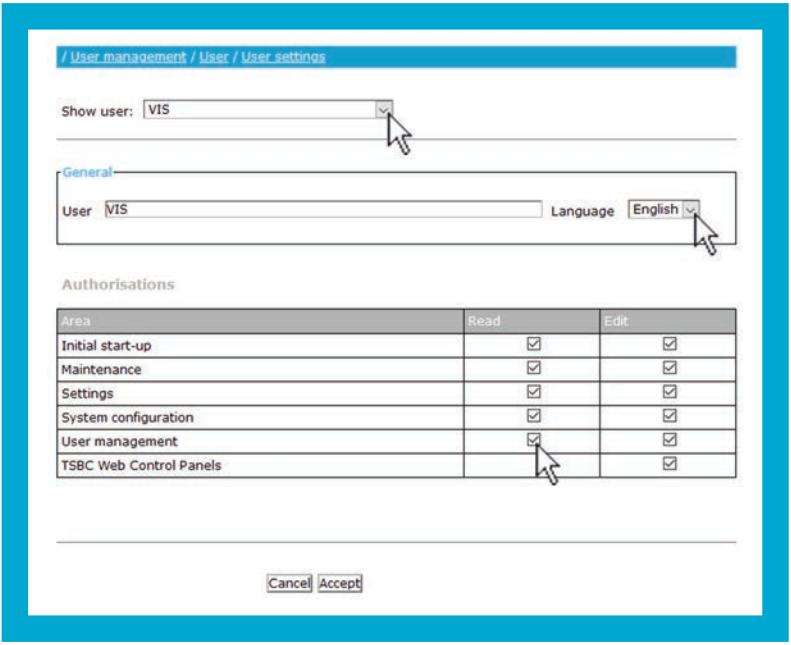
The settings for the specified system users and the administrator cannot be changed.

1 Click on the > button in the respective row or select *User details* in the menu to call up the configuration of the individual users.

⇨ You have called up the user details.

- In the *Show user* field, you can use a pull-down menu to select a user for which settings are to be made or changed.
- In the pull-down *Language* menu, you can set the display language for the menus of the respective user.
- The access rights of the respective user are assigned by placing a check mark in the respective area.

Fig. 146: Configuring user data



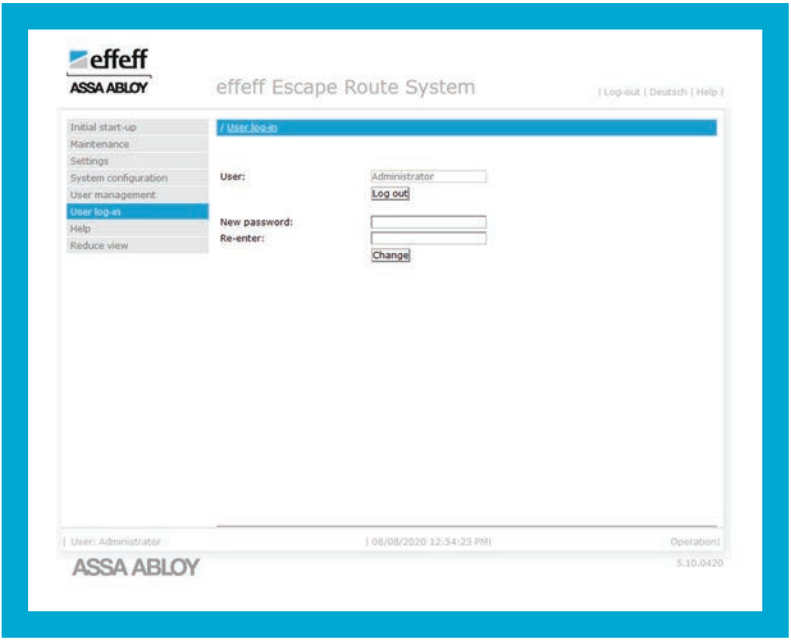
2 Save your individually created user details by clicking **Apply**.

⇨ You have set up your individually created user details.

Change password:

1 Log in with your user.
2 Click on **Log off**.

Fig. 147: Change password



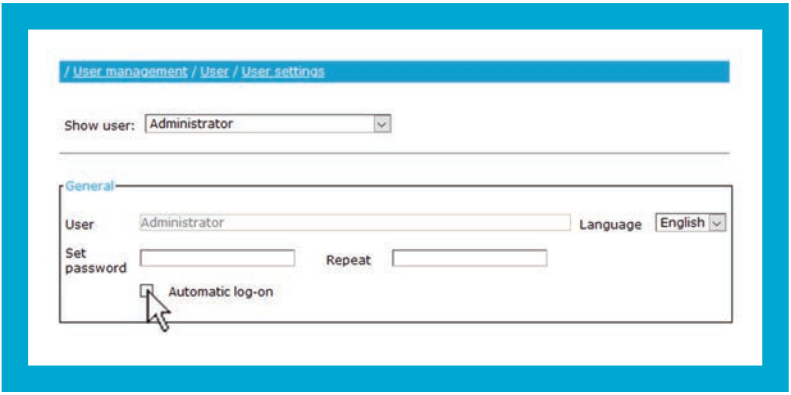
3 Enter the new password.
4 Repeat your new password and
5 Click on **Change**.

⇨ You can now log in with the new password.

Set password for system user

1 To activate the corresponding function, you must switch off the automatic login.

Fig. 148: Set password for system users



2 After that, you must enter the user name without a password for the first login.
3 You can now log out again and enter the password.
4 The function is now active
5 You can change the password by logging in and out again.

Note!

This requires the password. If you forget the password, the controller must be reset to the factory settings.

Forgotten password:

The factory setting for the administrator is
- User: Administrator
- Password: Admin

If you have forgotten the password for the administrator or system user, there is no way to see what the password is. You must reset the system to factory settings.

Note!

All non-standard users are deleted and cannot be restored.

Note!

Reset to factory settings resets the passwords to factory settings!

Note!

If the password for a user is lost, simply delete it and create a new one.

Differences between users:

- Administrator:
  - Used to access the system
  - Has all rights (cannot be changed)
  - Password can be changed
- System user:
  - Users required by the system
  - Serve as authorisation access
  - Do not have rights (cannot be changed)
- Users:
  - Work with the system
  - Created by the administrator or a user with corresponding rights
  - Rights are granted by the administrator or a user with corresponding rights
  - Password can be changed by the user when logging out

Factory setting:

- Benutzer (User): Administrator
- Password: Admin

[Automatic log-in]

If you check this box (factory default), you will be automatically logged on with your administrator password when you launch *FT Manager*.

If the box is unchecked, you will need to manually enter the password when you launch *FT Manager*.

Note!

You can modify the password as required. This provides greater security for your system.

1 Click on:
- Cancel if you want to cancel the data input without saving.
- Apply if you want to save the new administrator password.

Die ASSA ABLOY Gruppe ist der Weltmarktführer in Zugangslösungen. Jeden Tag helfen wir Menschen sich sicherer und geborgener zu fühlen und eine offenere Welt zu erleben.

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