

# TMS Soft

Version 5.0.050

Software manual

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**EN**

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For installation and commissioning the hardware see: TMS Soft\_user-man.

## 1 Introduction

TMS Soft® is the software for parameterization and visualization of dormakaba door management systems (TMS). It is used for the simple control of complex access systems such as escape route security and for visualization of the doors. TMS Soft® allows you to set the functions of one or more door control units via a user interface, to change pre-settings and to display and monitor current status messages.

If you are not yet familiar with working with TMS Soft®, you will find a brief introduction to how it works in this section.

You will find information on how to install and start the software and get to know the user interface operating elements.

### User interface

TMS Soft® uses different control elements for the settings. All available control elements are listed below:

Check boxes:

The individual check boxes can be optionally activated or deactivated.  
In a group field several check boxes can be activated.



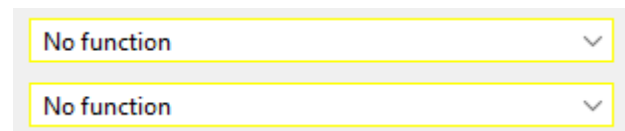
Radio Buttons (optional field):

These fields contain mutually exclusive options, i.e. only one of the available options can be activated.



Pull-down menu:

Various selection options are available here, by clicking on the field.  
Only one selection can be made per field.



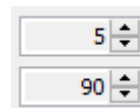
Tip: By clicking on the Logic selection several functions can be linked.

Parameter field:

Here you can enter the parameters you want.  
However, pay attention to the instructions, the parameters are usually limited, e.g. 1 ....255. In this case, the smallest parameter is 1 and the largest 255.



Rolling field: You can increase or decrease the value by clicking on one of the arrows.  
Maximum and minimum values are given in addition to the rolling field.



TMS Soft®'s user interface is organized into tabs for easy access to all functions. The program window contains the following operating elements:

Visualization   Communication   Parameter settings   User administration   Error / Log   History   Templates

## 2 Basic settings

The following functions are available in the File menu:

### 2.1 Printing

Print the parameters of the default GUI of a selected device.

### 2.2 Export database

Export a database to a directory.



#### Note

Avert data loss by regularly backing up data on an external data carrier.

### 2.3 Import database

Import a database from a directory.



#### Note

Use this function to use secured data from an older TMS Soft version. During the import, a TMS-PC gateway is also imported. This in turn includes a computer name that may be different from the current computer name on which TMS Soft is running.

If this is the case, the computer name from the import files is replaced by the computer name of the current TMS-PC gateway after importing.

If TMS Soft contains several TMS-PC gateway, then no modification takes place.



#### Note

Please select a directory for the import. Importing individual files is not recommended.



#### Note

After completing a successful import for LON/LAN, the address assignments must be updated! Further information can be found in the chapter "LON gateways, ILS and LDV" and in the "LAN" chapter.

### 2.4 Create database

This function allows you to create a new database.

### 2.5 Create default database values

Repairs the default values in the database. If the default values were not imported correctly when an older database was imported, this repair process can restore defective default values.

### 2.6 Delete database

This function allows you to delete a database.



#### Note

Prior to deleting data, make sure that you no longer need it.

## 2.7 Settings

In the Settings menu, you will find the Database, Alarm messages, Parameters, and Updates tabs.

### 2.7.1 Database

#### Intervals

Automatic save:

Specifies whether and at what interval an automatic export of the database is created

Directory for backup copy:

Specify the directory for the automatic export of the database

Database server:

Specifies on which computer the database server is installed.

Localhost:

is your own computer

IP or host name:

is an IP address or the name of a computer on the network

Port:

MySQL = 3306 (default value) MariaDB = 3307 (default value)

### 2.7.2 Alarm messages

#### 2.7.2.1 Alarms

Beeps when there are new alarms available:

The PC loudspeaker generates an acoustic signal when a new alarm is pending.

Alarm window always in the foreground:

If a new alarm is pending, the alarm window always opens in the foreground.



#### Note

By using the "Ctrl" button and clicking on "Minimize" the alarm window is shifted to the background.

Exit without security query:

When the software is closed, there will be no security query asking whether you want to close the software and, if applicable, the gateway.

If the alarm messages output is activated, you can configure whether an alarm tone should also be emitted and whether the alarm message window should always be opened in the foreground.

1. In the File menu, choose Settings.
2. Open the Alarms/Messages tab.
3. In the Alarms area select the required check boxes and then click OK.



#### Note

During configuration it may be necessary to place the alarm message window in the background. To do this, click **Minimize** when opening the alarm message window for the first time, and press the Ctrl key when opening the alarm message window for the second time. The **Minimize** button will be changed to **Background**. If you now click **Background**, the alarm message window will remain in the background until you bring it back to the foreground using the Windows task bar.

#### 2.7.2.2 Histories

Maximum storage space for monitor:

Detail in rows.

The min/max values can be taken from the tool tip.

Maximum storage space for histories:

Detail in rows.

The min/max values can be taken from the tool tip.

## 2.7.3 Parameter

### 2.7.4 Approval for ZM 208 DCW module

Emergency open delay function for TMS systems:

Approval of the tab for parameterization of times T1 and T2 is only possible through dormakaba application technology (phone: +49 2333 7932900) after submitting the approval in individual cases from the highest building authority.

### 2.7.5 Language in TMS Soft

TMS Soft automatically activates the system language of the operating system. Another language can be selected from the drop-down menu if desired.

After changing the language TMS Soft must be closed once and restarted.

### 2.7.6 Updates

The Updates tab has 3 sub-menus.

### 2.7.7 Java Version Management System

Java work environment:

Working folder for jvms (jvms.json)

This folder is created when the software is installed and should not be changed, otherwise the automatic update will not work

Sub folder for Java Version

This folder is created when the software is installed and should not be changed, otherwise the automatic update will not work

Java Versions Group

This folder is created when the software is installed and should not be changed, otherwise the automatic update will not work

Distribution:

This folder is created when the software is installed and should not be changed, otherwise the automatic update will not work

Start Java Update via task planning:

This can be used to select whether there is no update, a manual update or an update via Microsoft task planning.

Test Java Update when starting the software:

Software updates are checked every time TMS Soft is started.

### 2.7.8 Firmware Update

Below this, the storage location for µPC 3 update files is displayed. After consultation and compatibility comparison, you will receive the update files from dormakaba application technology (phone: +49 2333 7932900).

### 2.7.9 Devices

The export files for a device are stored in this directory.



#### Note

Export devices using the "Export device(s) without timer" function under the following tab: Communication.

### 2.7.10 End program

You use this function to end the program.

### 2.7.11 Start configuration software.

As an administrator, you have the option of using the configuration software. The configuration software allows individual NT and STV to be connected. In order for the additional software to run, it must be installed and, if necessary, the path of the configuration software must be stored in TMS Soft settings.



### 3 Main tab - Visualization

The main tab Visualization shows the status of the areas created and the subordinate door control units. The directory tree on the left of the window contains all areas and devices. Via the Context Menu (right-click), all areas and devices in the Visualization are created or deleted, settings for alarm messages are made and the histories queries started.

The status display of the selected area or device is shown on the right side of the window.

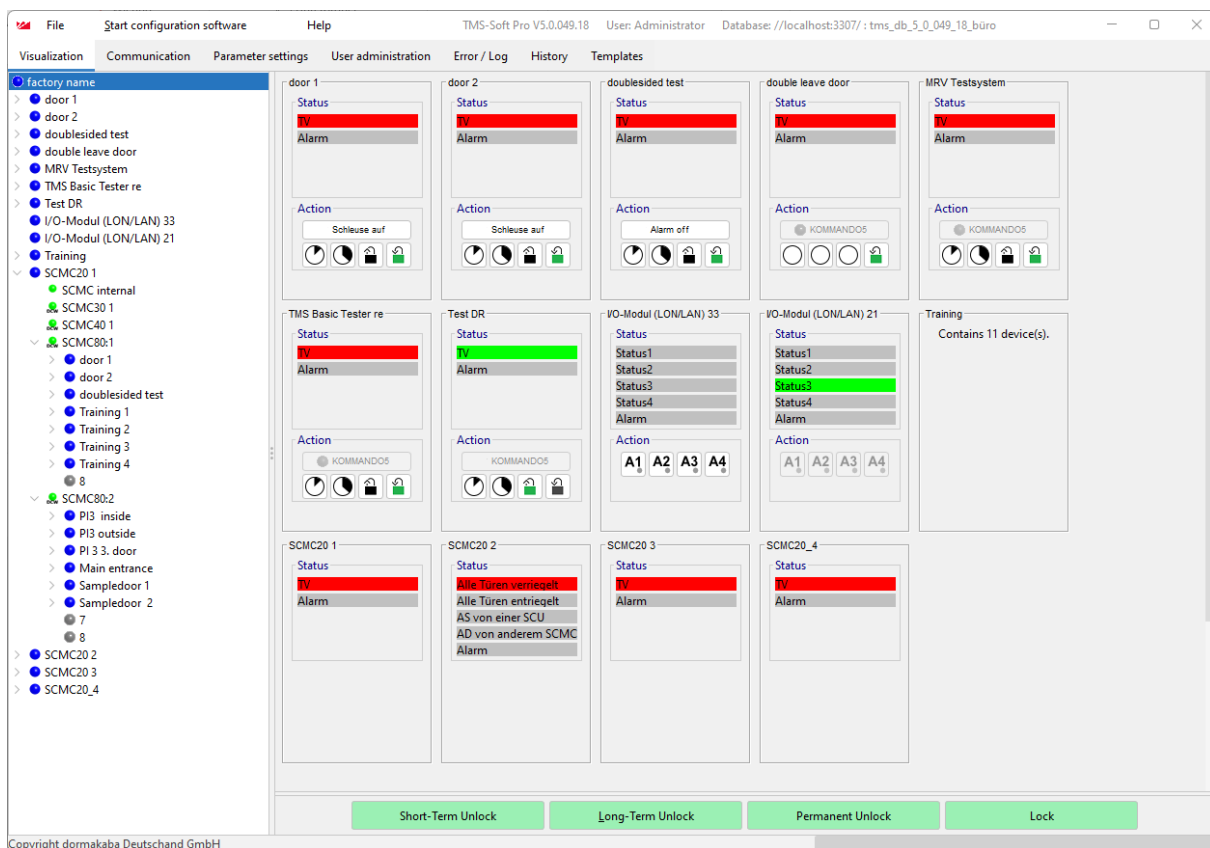
Colors of the LED displays

|        |  |
|--------|--|
| Blue   | Signals "no malfunction" in the directory tree and communication is available.   |
| Red    | Door lock status (DL) with the door locked.  |
| Green  | Door lock status (DL) with the door unlocked.  |
| Yellow | Denotes an alarm; a function on the door has adopted a critical value.   |
| Pink   | Denotes devices in the directory tree, for which the history is selected cyclically.   |
| Gray   | There are no evaluable status messages, the device is not initialized or communication has been interrupted (e.g. the device has no power) |

The display is updated several times a second if there is a connection to the selected area. Is there is no connection the display is gray.

Information on device type and firmware

Point to a device in the directory tree with the mouse. A tool tip with device-specific information is displayed.

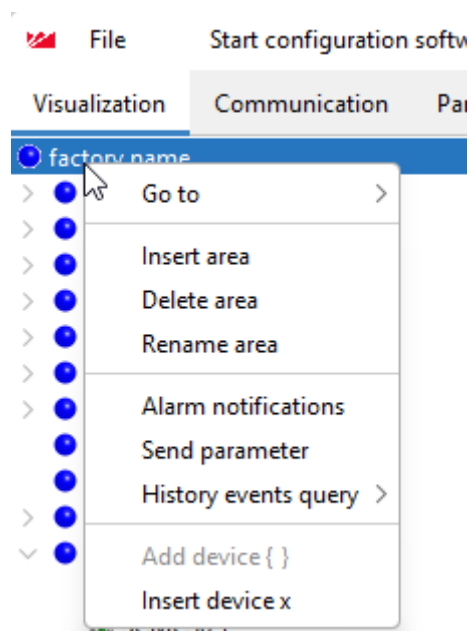


Areas: Context menu in the directory tree  
Right-click on an area to edit it.



Note

Areas within the directory tree can be moved with drag and drop.



### 3.1.1 Go to:

Allows you to quickly search for individual doors based on door name, door address or network ID. Enter a search string in the field and confirm with the Enter key.

### 3.1.2 Insert area:

Create a new area within the marked area.

### 3.1.3 Delete area:

Delete the marked area from the directory tree.

### 3.1.4 Rename area:

Enables entering a new description for the marked area. Alarm messages: Opens a pop-up dialog in which you can edit the alarm messages settings for all door control units in the area.

### 3.1.5 Activate/deactivate alarm messages

How to proceed:

1. Open the main tab Visualization.
2. In the directory tree, click the device type.
3. Open the Settings tab.
4. In the Alarms to activate/deactivate common alarms activate the desired check boxes and then click on Save.

Alarms are displayed in the corresponding color in the main tab Visualization. You can also display alarm messages as popup windows. In the event of an alarm, an alarm message window is opened that shows the consecutive number of the alarm, the name of the door control unit, the start and end of the alarm and the type of alarm.

This window can only be closed by pressing the Acknowledge button. However, this does not replace on-site acknowledgment.

As long as the alarm acknowledgment has not been carried out on the door control unit, the display of the corresponding door in the main tab Visualization lights up yellow. The affected area is marked in yellow on the directory tree.

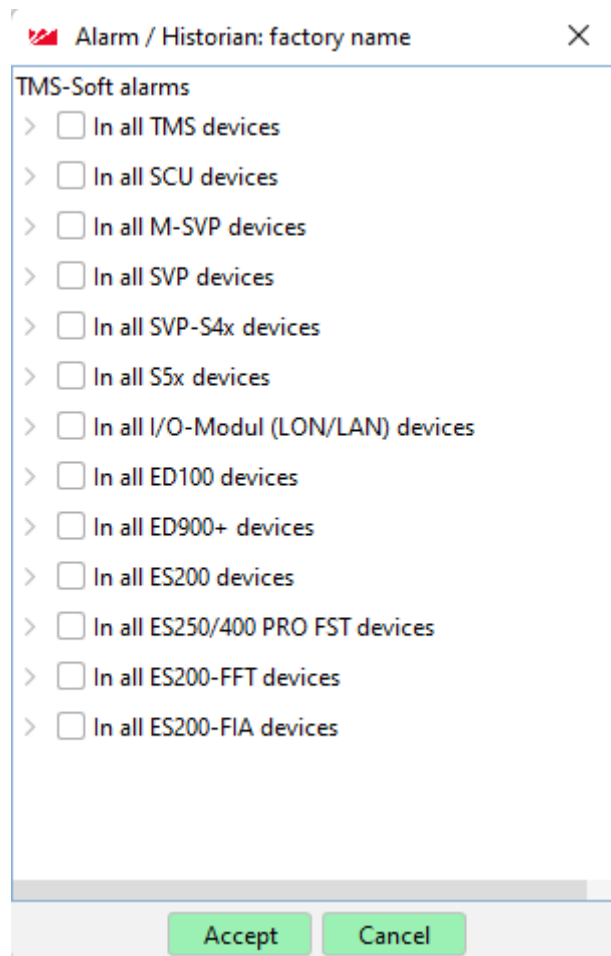
You can use the directory tree to activate or deactivate alarm messages for entire areas. You can edit the alarm messages for individual device types via the Visualization main tab.

Door control units of different types can be present in one area. Set the alarm according to the type.

Thus you can activate/deactivate the alarm messages for an area.

1. Open the main tab Visualization.

2. Right-click on the directory tree on an area.
3. Select the alarm messages entry in the Context menu. The Alarms/Messages popup window for the area will open. In the Alarms area select the required check boxes and then click OK.



1. Activate the check boxes for all devices, for which an alarm message should be issued.
2. Click on the plus sign in front of a device type to activate alarm messages for individual alarm types.
3. Then click on Apply.

### 3.1.6 Send parameter:

Opens a popup dialog for transferring a parameter to all door control units within the area.

### 3.1.7 Histories query:

Starts the histories query for all door control units in the area.

### 3.1.8 Insert device { }:

Inserts a device from the clipboard (copy device) in the marked area.

### 3.1.9 Insert device x:

Inserts an existing device in the database in the marked area.

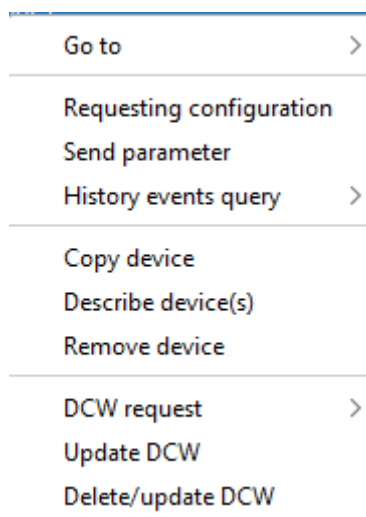


#### Note

Devices: Context menu in the directory tree

Right-click on a device, to search for, copy or delete devices, to set the interval for the history query or to query or update the DCW module.

Devices within the directory tree can be moved with drag and drop.



### 3.1.10 Go to:

Allows you to quickly search for individual doors based on door name, door address or network ID. Enter a search string in the field and confirm with the Enter key.

### 3.1.11 Query configuration:

Only in conjunction with SafeRoute, selects the configuration of the unit.

### 3.1.12 Send parameter:

Valid for all devices. Transfers all parameters.

### 3.1.13 Histories query:

To select the interval for the histories query.

The query can be done once or cyclically.

For a cyclical query a popup dialog opens, in which you can enter the interval in seconds.

If a history query has started, the TMS-PC gateway continues to read the history data, even if TMS Soft has been switched off, provided that the service does not end with TMS Soft.

End the history query with History events query > Cancel.

Allowed values: 3 ... 100000 s



#### Note

The history storage depends on the firmware and device. Histories that have been saved in a ring buffer of a device are not automatically reported in the event of a change and must be read from the device with the history query. Events that were derived from a status, such as alarms, are automatically saved in the history database.

### 3.1.14 Copy device:

Copies a device to the clipboard. You can paste it using the following command:

Paste device { } in the area context menu.



---

**Note**

---

Marked devices can be copied within the directory tree while pressing Ctrl key with drag and drop.

### 3.1.15 Describe device(s):

Opens a popup dialog, in which you can record information about the device. This information can be called up or edited again at any time using the Describe device(s) command. To close the popup dialog, click on Abort.

### 3.1.16 Remove device:

Deletes the marked device from the directory tree.



---

**Note**

---

The device is only removed from Visualization. The device is retained in the database.

### 3.1.17 DCW request:

DCW is dormakaba's Connect and Work wiring concept. All components connected to a central unit, are saved in a components table and their functioning is cyclically checked. A DCW error is automatically reported if a component fails.

Selection of the interval for the DCW status query. DCW status data must be queried as it is not automatically reported when there is a change. The query can be done once or cyclically.

For a cyclical query a popup dialog opens, in which you can enter the interval in seconds. The query will remain active only as long as TMS Soft is active.

Allowed values: 1 ... 100000 s



---

**Note**

---

The DCW nodes display in Visualization changes from green to magenta.

### 3.1.18 Update DCW:

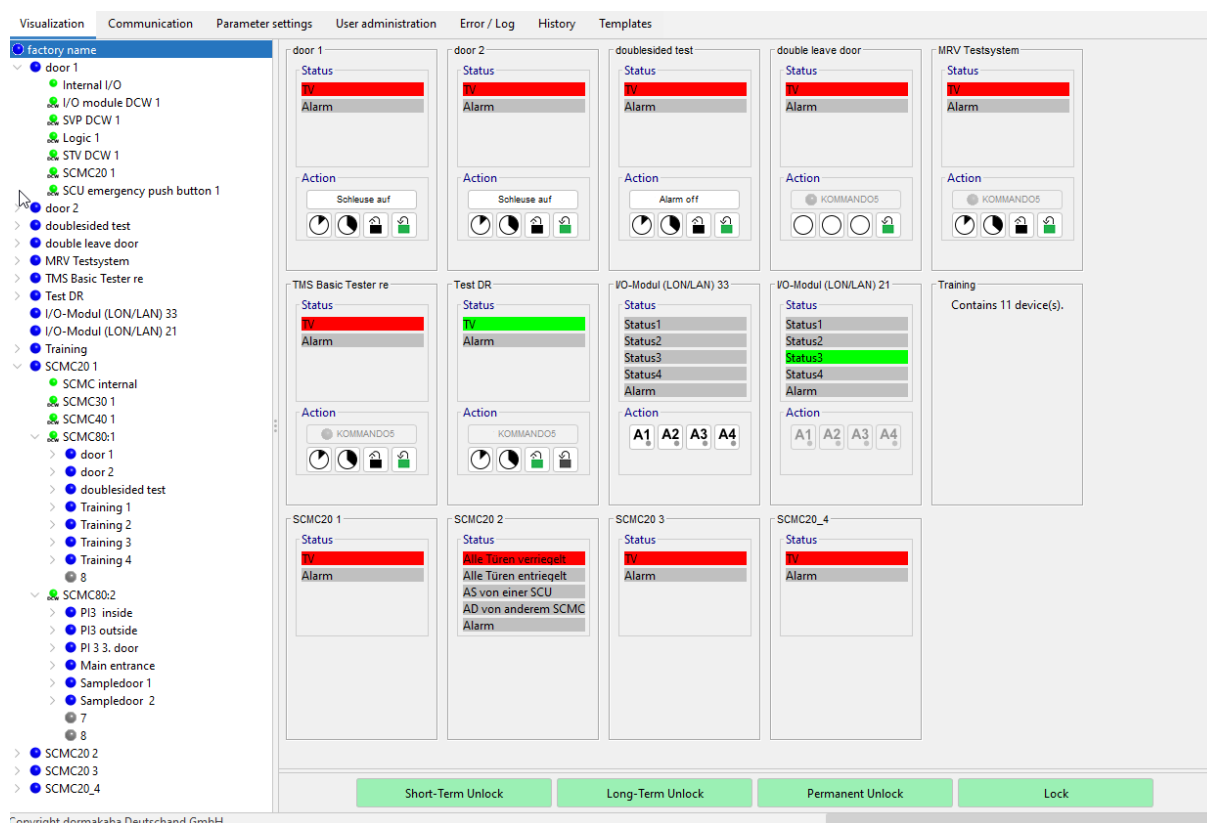
Start a one-time DCW status query.

### 3.1.19 Delete/update DCW:

Carry out a DCW reset. The DCW list is deleted and all known nodes are polled every second. The nodes that answer are entered in a new DCW list. A DCW reset may be necessary, for example, if DCW modules that are no longer required report a DCW error and should be removed from the component table.

### 3.1.20 Area view

In the directory tree select an area node to display an overview of all available devices in the area. As can be seen in the figure, the functions displayed depend on the respective type of device.



The display options for the respective door panel visualization can be configured from the Settings tab for every device type.



#### Note

A detailed description of the status displays, action buttons and program switches can be found in the sections on the **Settings** tab for the respective device types.

#### 3.1.20.1 Status area:

Displays the current door status.



#### Note

If a TMS central unit is only operated as access control, the display changes from DL to DO (door opener).

### 3.120.2 Action area:

Buttons for remote operation of a door control unit. The commands for temporary, long-term and permanent unlocking and locking for an individual door control unit can be carried out here.

| Type    | Temporary unlocked                           | Long-term unlocked | Permanent unlocking | Locked |
|---------|--|--------------------|---------------------|--------|
| TMS/SCU |  |                    |                     |        |
| M-SVP   |  |                    |                     |        |
| SVP-S4x |  |                    |                     |        |
| SVP     |  |                    |                     |        |
| ED      |  |                    |                     |        |
| ES      |  |                    |                     |        |
| IO      | depends on the configuration of the outputs. |                    |                     |        |

### 3.120.3 PGS area (ED, ES):

Additional program switches for remote operation of the automatic doors.

| Type: | Automatic | Exit | Partial open |
|-------|-----------|------|--------------|
| ED    |           |      |              |
| ES    |           |      |              |

Area buttons

The buttons in the lower edge of the area view for short-term, long-term and permanent unlocking and locking affect all door control units displayed in the window, unless the corresponding function has been deactivated for a door control unit or is not supported by the device type.



#### Note

The switch commands are specified under **TMS Soft switch commands** in the **Special functions** tab, which is accessed via the **Parameter settings** main tab. Exception: For IO modules, the switch commands are specified in **Settings** under the **Visualization** main tab.

### 3.121 SCU device types

For all devices a detailed status of the door selected is displayed in the main Visualization tab. The status display of the device is configured via the Settings tab.

SCU-UP, SCU-TL and SCU-DR count towards SCU devices with the respective licenses Basic, Standard and Premium.

## Door status tab (SCU-UP/DR)

The Door status tab shows the status of the selected device.

The screenshot shows the 'Door status' tab in the TMS Soft interface. The interface is divided into two main sections: 'Door status' and 'Settings'. The 'Door status' section contains several sub-sections:

- Door status:** A list of status indicators. 'Door locked' is highlighted in red, and 'Door Closed' is highlighted in green.
- Error:** A list of error messages: 'Hardware fault in emergency stop circuit', 'DCW bus fault', 'SVP lock fault', 'Logic execution error'. Below this are two input fields for 'Duplicate STV addresses' and 'Duplicate SCU-NT addresses'.
- Extended status:** A list of extended status indicators: 'Door lock partial unlocking active', 'Partial unlocking SVP active', 'Timer output active', 'Airlock active', 'Airlock function blocks the door', 'Emergency push button deactivated (...)', 'Time step 1 active', 'Time step 2 active', 'Update is in shadow storage'.
- Alarm:** A list of alarm types: 'Pre-alarm (door open alarm)', 'Main alarm (door open alarm)', 'Emergency push button actuated', 'Released', 'Anti-tamper alarm', 'Attempted forced entry', 'Smoke alarm', 'Wrong code alarm', 'Handle actuated', 'Maintenance per EIVTR necessary'.
- History events query:** A section with a refresh button and query details: 'Interval: 3600 seconds', 'Queried on: 13.05.2025 02:57:05'.
- Description:** A section with device information: 'Training 3', 'UID: 00 01 01 99', 'Firmware: 2.0.4', 'License: Premium / Multi-door control unit / AIRLOCK / LOGIC / Delayed release'.

### Door status area:

The door locks:

Red = Door is locked. A door is locked when

1. the door contact is closed.
2. for (S)TV-100, the armature contact has been closed when the door is locked.
3. for (S)TV-200, the armature plate is on the magnet.
4. for (S)TV-500, the catch of the catch contact has closed.

The door unlocks:

Green = the door is unlocked

Temporary unlocking:

Gray (default value) = no short-term unlocking

Green = short-term unlocking is active

After the set time has elapsed the door is automatically locked again, provided the door is closed, otherwise an alarm is triggered after the door monitoring time has elapsed.

Long-term unlocking:

Gray (default value) = no long-term unlocking

Green = long-term unlocking is active

After the set time has elapsed the door is automatically locked again, provided the door is closed, otherwise an alarm is triggered after the door monitoring time has elapsed.

Permanent unlocking:

Gray (default value) = no permanent unlocking

Green = permanent unlocking is active

In this state the door is permanently unlocked and will not lock automatically.

Door closed:

Green = door contact closed

Red = door contact open



**Note**

The time period for short-term and long-term unlocking corresponds to the settings for the door in the **"Unlock" tab (SCU-UP/DR types, Standard/Premium, classic view)** under the **Parameter settings** main tab

**Extended status area:****Partial unlocking DL active:**

Green = DL is unlocked and SVP locked. Authorized access from outside is only possible with a key or access control (knob on the door). They can be opened with a door handle from inside as the door locking is unlocked.

**Partial SVP unlocking active:**

Green = SVP is unlocked and DL locked. Authorized access from outside and inside is only possible with a key or access control.

**Time switch output active:**

Green = time switch is active. The internal time switch output function was configured and thus activated. The route is determined by the weekly schedules and public holidays.

**Interlock active:**

two or more systems work in an interlock system via LON binding

**Interlock function locks the door:**

Another door in the lock network is open. The door cannot be opened.

**Emergency button deactivated (SCMC):**

The on-site emergency button is deactivated via a panel command, SCMC20 in conjunction with SCMC30.

**Temporal stage 1 active:**

Delayed activation was triggered by pressing the emergency button. The door only opens after the configured time t1 has elapsed.

**Temporal stage 2 active:**

The time delay was extended again by the configured time t2.

Both temporal stages must be set in the configuration software.

**Update is cached:**

Lights up green when a firmware update has been loaded into CPU 3 via the "Communication" tab and has not yet been activated (see section 5.1).

**Error area:****Hardware error in the emergency shutdown circuit:**

Red = there is a hardware error. Causes can be:

- a) A function test is carried out before each locking operation. If the test fails with an error, there is a hardware error.
- b) Interruption of the DCW connection to an external emergency button (TL-S DCW or TL-NC UP) or a short circuit in the emergency shutdown circuit, terminal 2 → GND (TMS devices) or telegram loss (SafeRoute devices).

**DCW bus error:**

Yellow = an error has occurred within the bus system. The connection to non-security-relevant DCW component is checked every 8 seconds, if a module does not answer the alarm is triggered. If the connection is made again, the alarm is reset.

**SVP lock malfunction:**

Yellow = there is a malfunction in the SVP lock. Causes can be: bolt blockage, drive blocked.

**Error with the Logic function:**

An error occurred while executing the logic function.

**Duplicate STV addresses:**

During commissioning, two locking devices with the same DCW address were detected

**Duplicate SCU-NT addresses:**

During commissioning, two emergency buttons with the same DCW address were detected

**Alarm area:**

Gray = no alarm

Yellow = alarm triggered

If the corresponding alarm message is activated and an alarm event occurs, the affected area will be marked yellow in the directory tree and an alarm message window opened.

An alarm can be caused by external manipulation, e.g. exceeding limit values or tampering; in rare cases

if there is an internal (hardware) error.



#### Note

Switch to the **Settings** tab to activate/deactivate the display of alarm messages.

#### Pre-alarm:

Yellow = after a temporary or long-term unlocking, the door is open longer than the set relocking time + time until pre-alarm.

#### Main alarm:

Yellow = after a temporary or long-term unlocking, the door is open longer than permitted, and the pre-alarm has already elapsed. (set relocking time + pre-alarm time).

#### Emergency button pressed:

Yellow = the emergency button on the door was pressed.

#### Released:

Yellow = the emergency button on the door was pressed and the door lock was disengaged as a result.

#### Tamper alarm:

Yellow = the housing of the device or a DCW module was opened without authorization or an attempt was made to forcibly unlock the door lock.



#### Note

The tamper alarm must be acknowledged on-site with a key switch. The key switch is configured in the **Parameter settings** main tab > [Key switch \(SCU-UP/DR types\)](#) [tab](#). Alternatively, the command 5 button can be assigned accordingly. Automatic acknowledgment after the cause of the alarm has been reset can be set up under the **Parameter settings** main tab > [Special functions tab](#) > **Alarm volume** tab.

#### Attempted forced entry:

Yellow = reports manipulation of the door contact of the locking device or on the trigger latch of an SVP lock.

#### Smoke alarm:

Yellow = a smoke detector connected to the SafeRoute device, TMS terminal or DCW I/O module has triggered the alarm.

#### False code alarm:

Yellow = there were more than 8 attempts to pass through the door with an invalid code. Door handle operated: Yellow = a connected door handle of an SVP lock was operated with the door locked.

The alarm is automatically reset after 10 s, if the door handle is in the neutral position again.

#### Maintenance according to EltVTR necessary:

Yellow = the interval for maintenance has been exceeded.

#### SVP area:

Provided that the door is fitted with a self-locking anti-panic lock, the current status of the SVP lock is displayed here.

#### SVP locked:

Red = SVP lock is locked

#### SVP unlocked:

Green = SVP lock is unlocked

#### Door handle operated:

Gray = the door handle was not operated; green = the door handle was operated.

#### History events query area:

Devices with histories memory buffer events with a date/time stamp in a ring buffer in the hardware. A histories query reads the data from the memory and makes it available in the software for evaluation. If an online connection is present, it is recommended that the history events be called up cyclically.

The activities, the query interval and the date of the last query are displayed (magenta = on, gray = off).

#### Description area:

The previously selected description is displayed here. You can see how to insert a description under the Visualization main tab. The UID and firmware status of the control unit and license information are displayed by default.

### Switch commands area

#### Short-term unlocking button:

Unlocks the displayed door control unit for the short-term unlocking periods defined under the Parameter settings main tab > "Unlock" tab (SCU-UP/DR types, Standard/Premium, classic view).

#### Long-term unlocking button:

Unlocks the displayed door control unit for the long-term unlocking periods defined under the Parameter settings main tab > "Unlock" tab (SCU-UP/DR types, Standard/Premium, classic view).

#### Permanent unlocking button:

Unlocks the displayed door control unit permanently.

#### Lock button:

Immediately removes the unlocking (short-term, long-term and permanent) of the door control unit.

#### Command 5 button:

Freely definable switch command

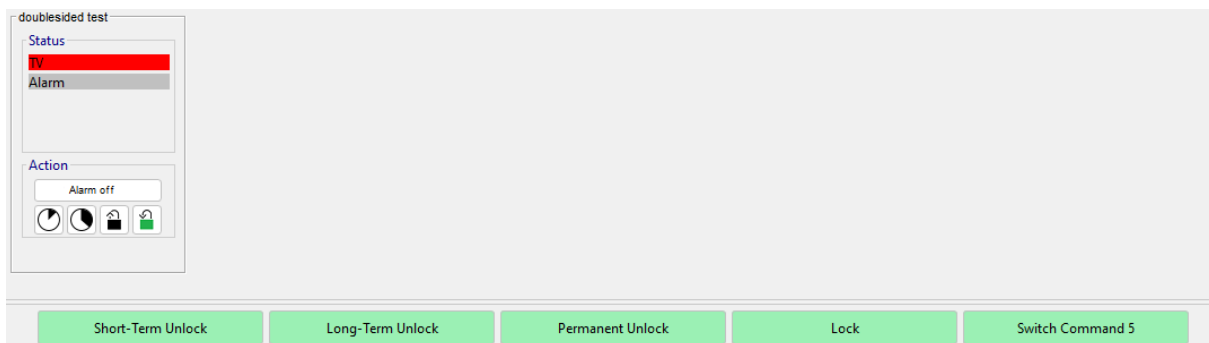
Parameter settings main tab > "Special functions" tab > Define switch commands tab



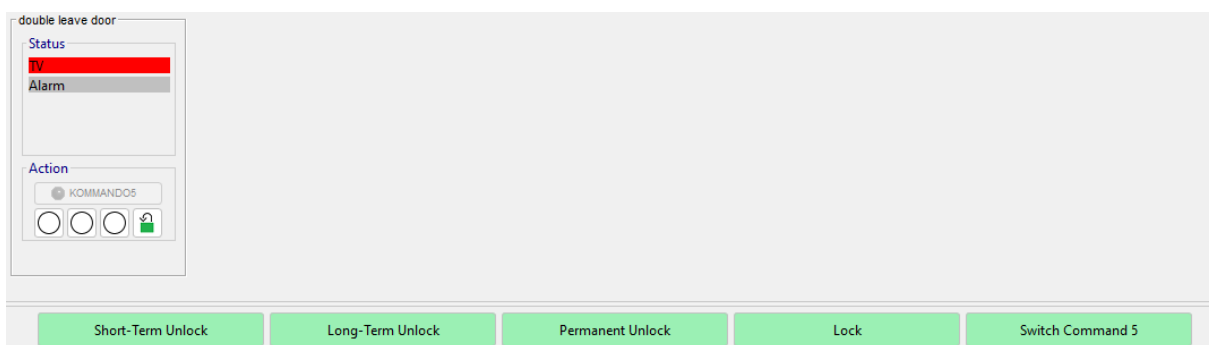
#### Note

All 5 switching commands can be provided with a function for SCU doors. Configuration takes place under **TMS Soft switch commands** in the **"Special functions" tab**, which is accessed via the **Parameter settings** main tab.

### Standard configuration:

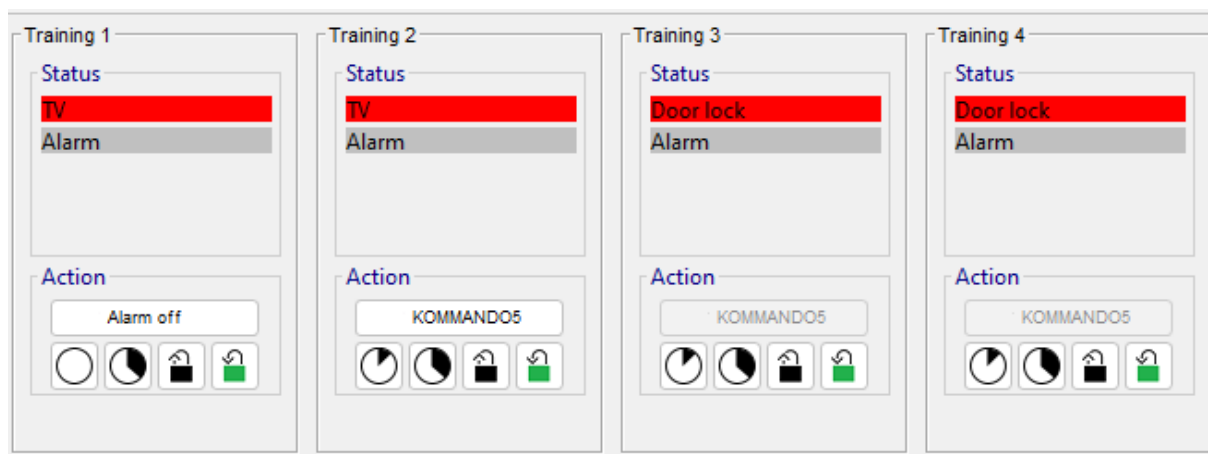


### A possible variant:



The assignment of the buttons has been changed by the user. Temporary unlocking is now on the third button. The deletion of the maintenance alarm and the acknowledgment of the alarm are new and assigned to position 1 and 2.

"Settings" tab – device types (SCU-UP/DR)



The status display of the device is configured in the door panel representation via the Settings tab. Five status displays can be set for each door panel representation.

Description of the signals in a door panel:

Description of the signals in a door panel visualization: Contains the labeling of the status in the door panel.

Enter a display text in the respective field.

LED active:

Select the color of the LED display, if the signal is active.

LED not active:

Select the color of the LED display, if the signal is not active.

Signal:

Selection of the signal whose status is to be displayed.

Activate alarms for common alarm area:

An alarm message can be activated for every alarm type.

Activated:

Opens a window that provides information about the door description and the start and type of alarm. This message must always be acknowledged by the user.

Deactivated:

The respective alarm is still reported but does not appear as a signal in the directory tree or the area view.



Note

See also Activate/deactivate alarm messages.

Changes to the configuration are saved or reset using the buttons.

Save button:

Saves all changes in the database. If the button is red, changes were made that must be saved in the database.

Standard values button:

Resets the values to the standard values from dormakaba or the door control unit values that have been marked as "standard".

Reset button:

Deletes the data entered and loads the last saved values from the database.

### 3.122 TMS device types

For all devices a detailed status of the door selected is displayed in the main Visualization tab. The status display of the device is configured via the Settings tab.

TMS, TMS Basic and TMS Compact/Comfort count as TMS device types. In the case of deviations of a TMS device type, a corresponding note will be available.

"Door status" tab (TMS types)

The Door status tab shows the status of the selected device.

**Door lock area:**

## The door locks:

Red (standard value) = door is locked

Green = the door is unlocked

A door is locked, if

- the door contact is closed.
- in the case of TV-100 door locking, the armature contact has been closed.
- in the case of TV-200, the armature plate is on the magnet.
- in the case of TV-500, the catch of the catch contact has closed.

## Temporary unlocking:

Gray (default value) = no short-term unlocking

Green = door is unlocked for a short time.

After the set time has elapsed the door is automatically locked again, provided the door is closed, otherwise an alarm is triggered.

## Long-term unlocking:

Gray (default value) = no long-term unlocking

Green = door is unlocked for a long time.

After the set time has elapsed the door is automatically locked again, provided the door is closed, otherwise an alarm is triggered.

## Permanent unlocking:

Gray (default value) = no permanent unlocking

Green = door is permanently unlocked.

In this state the door is permanently unlocked and will not lock automatically.

## Door closed:

Red = door contact closed

Green = door contact open.

**Note**

The time period for short-term and long-term unlocking corresponds to the settings for the door in the **"Unlocking" tab (TMS types)** under the **Parameter settings** main tab.

**Extended status area:**

## Partial unlocking DL active:

Green = DL is activated and SVP locked.

Authorized access from outside is only possible with a key or access control (knob on the door).

It can be opened from the inside with a door handle as the SVP is unlocked.

## Partial SVP unlocking active:

Green = SVP is activated and DL locked.

Authorized access from outside and inside is only possible with a key or access control.

## Time switch output active:

Green = time switch is active.

The internal time switch output function was configured and thus activated. The route is determined by the weekly schedules and public holidays.

**Alarm area:**

Gray = no alarm

Yellow = alarm triggered

If the corresponding alarm message is activated and an alarm event occurs, the affected area will be marked yellow in the directory tree and an alarm message window opened.

An alarm can be caused by external manipulation, e.g. exceeding limit values or tampering; in rare cases if there is an internal (hardware) error.

**Note**

Switch to the Settings tab to activate/deactivate the display of alarm messages.

## Pre-alarm:

Yellow = after a temporary or long-term unlocking, the door is open longer than the set relocking time + delay time until pre-alarm.

## Main alarm:

Yellow = after a temporary or long-term unlocking, the door is open longer than permitted, and the pre-alarm has already elapsed. (set relocking time + pre-alarm time).

## Emergency button pressed:

Yellow = the emergency button on the door was pressed.

**Tamper alarm:**

Yellow = the housing of the device or a DCW module was improperly opened or an attempt was made to force the door lock.

**Note**

The tamper alarm must be acknowledged on-site with a key switch. The key switch is configured in the **Parameter settings** main tab > [Key switch \(TMS types\)](#)

[tab](#). Alternatively, the command 5 button can be assigned accordingly. Automatic acknowledgment after the cause of the alarm has been reset can be set up under the **Parameter settings** main tab > ["Special functions tab" \(TMS types\)](#) > **Alarm volume** tab.

**Attempted forced entry (TMS Basic):**

Yellow = reports manipulation of the door contact or lock. Smoke alarm: Yellow = a smoke detector connected to the TMS terminal or DCW I/O module has triggered an alarm.

**Smoke alarm:**

Yellow = a smoke detector connected to the SafeRoute device, TMS terminal or DCW I/O module has triggered the alarm.

**False code alarm:**

Yellow = there were more than 8 attempts to pass through the door with an invalid code.

**Note**

Programming of access codes is activated under the **Parameter settings** main tab > ["Service" \(TMS, TMS Compact/Comfort\)](#) tab > ID card.

**Door handle operated:**

Yellow = a connected door handle was operated with the door locked. The alarm is automatically reset after 10 s, if the door handle is in the 0 position again.

**Maintenance according to EltVTR necessary:**

Yellow = the interval for maintenance has been exceeded.

**Note**

The new maintenance interval is programmed in the **Parameter settings** main tab > [Service \(TMS, TMS Compact/Comfort\)](#) tab > Maintenance.

**Error area:****Hardware error in the emergency shutdown circuit:**

Yellow = there is a hardware error.

**Causes can be:**

- a) A relay test is carried out before each locking operation. If the test fails with an error, there is a hardware error.
- b) Interruption of the DCW connection to an external emergency button (TMS devices: TL-S DCW or TL-NC UP) or a short circuit in the emergency shutdown terminal 2 → GND.

**DCW bus error:**

Yellow = an error has occurred within the bus system.

The connection to each DCW component is checked every 8 s, if a module does not answer the alarm is triggered.

If the connection with non-security-relevant DCW components is restored, the alarm is reset.

**SVP lock malfunction:**

Yellow = there is a malfunction in the SVP lock.

**Causes can be:**

- Bolt blockage
- Drive blocked

**TS bus interruption (TMS):**

Yellow = the DCW Bus coupler TS/DP1 has recognized an interruption to the connection with the TS bus.

**SVP area:**

Provided that the door is fitted with a self-locking anti-panic lock, the current status of the SVP lock is displayed here.

**SVP locked:**

Red (default value) = SVP lock is locked

Green = SVP lock is unlocked

Gray = no lock available.

Door handle operated:

Gray (default value) = the door handle was not operated

Green = the door handle was operated.

Histories query area:

Devices with histories memory buffer events with a date/time stamp in a ring buffer in the hardware.

A histories query reads the data from the memory and makes it available in the software for evaluation.

With an online connection it is recommended that the histories are called up cyclically.

The activities, the query interval and the date of the last query are displayed (magenta = on, gray = off).

Description area:

The previously selected description is displayed here. You can see how to insert a description under the Visualization main tab.

Short-term unlocking button:

Unlocks the displayed door control unit for the short-term unlocking periods defined under the Parameter settings main tab > "Unlocking" (TMS types) tab.

Long-term unlocking button:

Unlocks the displayed door control unit for the long-term unlocking periods defined under the Parameter settings main tab > "Unlocking" (TMS types) tab.

Permanent unlocking button:

Unlocks the displayed door control unit permanently.

Lock button:

Immediately removes the unlocking (short-term, long-term and permanent) of the door control unit.

"Command 5" button:

For setting an additional switching command. Configuration takes place in the "TMS Soft Switch commands" tab under the "Special functions" (TMS types) tab in the Parameter settings main tab.

"Settings" (TMS types) tab

The status display of the device is configured in the door panel representation via the Settings tab.

Five status displays can be set for each door panel representation.

Signals in the door panel representation:

Description of the signals in a door panel:

Contains the labeling of the status in the door panel. Enter a display text in the respective field.

LED active:

Select the color of the LED display, if the signal is active.

LED not active:

Select the color of the LED display, if the signal is not active.

Signal:

Selection of the signal whose status is to be displayed.

Activate alarms for common alarm area:

An alarm message can be activated for every alarm type.

Activated: a window is opened that provides information about the door description and the start and type of alarm. This message must always be acknowledged by the user.

Deactivated: the respective alarm is not reported and also does not appear as a signal in the directory tree.



#### Note

See also Activate/deactivate alarm messages.

Changes to the configuration are saved or reset using the buttons.

Save button:

Saves all changes in the database.

If the button is red, changes were made that must be saved in the database.

Standard values button:

Resets the values to the standard values from dormakaba or the door control unit values that have been marked as "standard".

Reset button:

Deletes the data entered and loads the last saved values from the database.

### 3.1.23 Device types M-SVP, SVP-S4x, SVI/SVA

For all devices a detailed status of the door selected is displayed in the main Visualization tab. The status display of the device is configured via the Settings tab.

The functions of the device types M-SVP, SVP-S4x and SVI/SVA are similar. With deviations the corresponding note is available.

| Note    |  |
|---------|--|
| SVP     | Self-locking panic lock  |
| M-SVP   | Multiple self-locking panic lock   |
| SVI/SVA | Self-locking panic lock for double-leaf doors; SVI: inactive door leaf, passive door leaf<br>SVA: active door leaf, active door leaf |

#### "Door status" tab (M-SVP, SVP-S4x)

The Door status tab shows the status of the selected device.

#### M-SVP locking device area:

SVP, M-SVP, SVA locked:

Red (standard value) = door is locked

SVP, M-SVP, SVA unlocked:

Green = the door is unlocked

M-SVP latch:

Green = if the lock latch is retracted

Temporary unlocking:

Gray (default value) = no short-term unlocking

Green = door is unlocked for a short time. After the set time has elapsed the door is automatically locked again, provided the door is closed, otherwise an alarm is triggered.

Long-term unlocking:

Gray (default value) = no long-term unlocking

Green = door is unlocked for a long time. After the set time has elapsed the door is automatically locked again, provided the door is closed, otherwise an alarm is triggered.

Permanent unlocking:

Gray (default value) = no permanent unlocking

Green = door is permanently unlocked. In this state, the door is permanently unlocked and will not lock automatically.

Door handle operated:

Yellow = the door handle of a locked door with SVP, M-SVP or SVA was operated.

The alarm is automatically reset after 10 s, if the door handle is in the neutral position again.

Door closed:

Green = door contact closed; gray = door contact open

Day-latch function active (M-SVP):

Green = Day-latch function active; gray = day-latch function not active

| Note |  |
|------|--|
|------|--|

The time period for short-term and long-term unlocking corresponds to the settings for the door in the ["Unlocking" tab \(M-SVP, SVP-S4x\)](#) under the **Parameter settings** main tab.

#### Alarm area:

Green = no alarm

Yellow = alarm triggered

If the corresponding alarm message is activated and an alarm event occurs, the affected area will be marked yellow in the directory tree and an alarm message window opened.

Causes for an alarm can be manipulation from outside (exceeding limit values, tampering, etc), in rare cases there is an internal (hardware) error.





## Note

Switch to the **Settings** tab to activate/deactivate the display of alarm messages.

## Pre-alarm:

Yellow = after a temporary or long-term unlocking, the door is open longer than the set relocking time.

## Main alarm:

Yellow = after a temporary or long-term unlocking, the door is open longer than permitted, and the pre-alarm has already elapsed (set relocking time + pre-alarm time).

## Tamper alarm:

Yellow = the housing of the device or a DCW module was improperly opened or an attempt was made to force the door lock.



## Note

The tamper alarm must be acknowledged on-site with a key switch. The key switch is configured in the **Parameter settings** main tab > **Key switch** tab. Alternatively, the command 5 button can be assigned accordingly. Automatic acknowledgment after the cause of the alarm has been reset can be set up under the **Parameter settings** main tab > **Special functions** tab > **Alarm volume** tab.

## Attempted forced entry:

Yellow = the housing of the device or a DCW module was improperly opened or an attempt was made to force the door lock.



## Note

**M-SVP:**

With a break-in attempt, e.g. a blow to a hook bolt, the push rod is automatically moved in the direction of the "Security" sensor, i.e., in the "closed" position, and a break-in attempt is reported.

**SVP-S4x or SVA:**

A break-in attempt on the SVP lock is, e.g. increasing the gap between the door leaf and the door frame on the main closing edge. If the gap is increased to such an extent that the trigger latch disengages although no start command has been entered, attempted forced entry will be reported.

## Smoke alarm:

## False code alarm:



## Note

Programming of access codes is activated under the **Parameter settings** main tab > **"Service" (M-SVP, SVP-S4x) tab** > **ID card**.

Yellow = there were more than 8 attempts to pass through the door with an invalid code.

## Door handle operated:

Yellow = the door handle was operated while the door was locked. The alarm is automatically reset after 10 s, if the door handle is in the 0 position again.

## Maintenance necessary:

Yellow = the interval for maintenance has been exceeded.

## History events query area:

There are events in SVP-S4x that are saved directly in the database when an online connection is present, or that were initially collected in the ring buffer of the door control unit. The ring memory is read with the histories query.

The activity (red = on, gray = off), the query interval and the date of the last query are displayed.

## Extended status area:

## Time switch output active:

Green = time switch is active.

The internal time switch output function was configured and thus activated. The route is determined by the weekly schedules and public holidays.

### Malfunction active area

#### DCW bus error:

Yellow = an error has occurred within the bus system.

The connection to the DCW component is checked every 8 s, if a module does not answer the alarm is triggered. If the connection is made again, the alarm is reset.

#### SVP lock malfunction:

Yellow = there is a malfunction in the SVP lock.

Causes can be: bolt blockage, drive blocked.

#### PR module malfunction (SVP-S4x, SVA 2000 F, SVP 2000 F):

Yellow = there is a malfunction in the PR module

The SVP-S4x will generate a PR test request every 24 hours. However, this is only carried out if there has previously been an unlocking, since running the test does not generate its own unlocking of the lock. If the test is negative a malfunction is displayed and can be assigned to a relay output.

### Description area:

The previously selected description is displayed here. You can see how to insert a description under the [Visualization main tab](#).

### Buttons:

#### Temporary unlocking:

Unlocks the displayed door for the short-term unlocking periods defined under the Parameter settings main tab > ["Unlocking" \(SVP\) tab](#).

#### Long-term unlocking:

Unlocks the displayed door for the long-term unlocking periods defined under the Parameter settings main tab > ["Unlocking" \(M-SVP, SVP-S4x\) tab](#).

#### Permanent unlocking:

Unlocks the displayed door permanently.

#### Lock:

Immediately removes the unlocking (short-term, long-term or permanent) of the door.

#### Switch Command 5:

For setting an additional switching command. Configuration takes place in the "TMS Soft switch commands" tab under the ["Unlocking \(M-SVP, SVP-S4x\) tab](#) in the Parameter settings main tab.

### 3.124 SVP-S5x device type

For all devices a detailed status of the door selected is displayed in the main Visualization tab. The status display of the device is configured via the Settings tab.

The functions of the SVP, M-SVP and SVI/SVA device types are similar. With deviations the corresponding note is available.



## Note

|         |  |
|---------|--|
| SVP     | Self-locking panic lock  |
| M-SVP   | Multiple self-locking panic lock   |
| SVI/SVA | Self-locking panic lock for double-leaf doors; SVI: inactive door leaf, passive door leaf<br>SVA: active door leaf, active door leaf |

### 3.1.24.1 "Door status" tab (SVP-S 5x)

The Door status tab shows the status of the selected device.

Locking area (active door leaf: SVP, SVA, SVA+SVI, M-SVP):

locked:

Red = lock is locked

unlocked:

Green = lock is unlocked

M-SVP day-latch function active: (all bolts are retracted; the door is only held in the latch)

Green = day-latch function active

Gray = day-latch function not active

Temporary unlocking:

Gray (default value) = no short-term unlocking

Green = door is unlocked for a short time. After the set time has elapsed the door is automatically locked again, provided the door is closed, otherwise an alarm is triggered.

Long-term unlocking:

Gray (default value) = no long-term unlocking

Green = door is unlocked for a long time. After the set time has elapsed the door is automatically locked again, provided the door is closed, otherwise an alarm is triggered.

Permanent unlocking:

Gray (default value) = no permanent unlocking

Green = door is permanently unlocked. In this state the door is permanently unlocked and will not lock automatically.

Door handle operated:

Yellow = the door handle of a locked door with SVP, M-SVP or SVA was operated.

The alarm is automatically reset after 10 s, if the door handle is in the neutral position again.

Door closed:

Green = door contact closed; gray = door contact open

Locking area (passive door leaf: SVI):

locked:

Red = lock is locked

unlocked:

Green = lock is unlocked

Door handle operated:

Yellow = the door handle of a locked door with SVI was operated.

The alarm is automatically reset after 10 s, if the door handle is in the neutral position again.



## Note

The time period for short-term and long-term unlocking corresponds to the settings for the door in the "Unlocking" tab (M-SVP, SVP-S4x) under the **Parameter settings** main tab.

Alarm area:

Green = no alarm

Yellow = alarm triggered

If the corresponding alarm message is activated and an alarm event occurs, the affected area will be marked yellow in the directory tree and an alarm message window opened.

Causes for an alarm can be manipulation from outside (exceeding limit values, tampering, etc), in rare cases there is an internal (hardware) error.



#### Note

Switch to the **Settings** tab to activate/deactivate the display of alarm messages.

#### Pre-alarm:

Yellow = after a temporary or long-term unlocking, the door is open longer than the set relocking time.

#### Main alarm:

Yellow = after a temporary or long-term unlocking, the door is open longer than permitted, and the pre-alarm has already elapsed (set relocking time + pre-alarm time).

#### Tamper alarm:

Yellow = the housing of the device or a DCW module was improperly opened or an attempt was made to force the door lock.



#### Note

The tamper alarm must be acknowledged on-site with a key switch. The key switch is configured in the **Parameter settings** main tab > **Key switch** tab. Alternatively, the command 5 button can be assigned accordingly. Automatic acknowledgment after the cause of the alarm has been reset can be set up under the **Parameter settings** main tab > **Special functions** tab > **Alarm volume** tab.

#### Attempted forced entry:

Yellow = the housing of the device or a DCW module was improperly opened or an attempt was made to force the door lock.



#### Note

##### **M-SVP:**

With a break-in attempt, e.g. a blow to a hook bolt, the push rod is automatically moved in the direction of the "Security" sensor, i.e., in the "closed" position, and a break-in attempt is reported.

##### **SVP-S5x or SVA:**

A break-in attempt on the SVP lock is, e.g. increasing the gap between the door leaf and the door frame on the main closing edge. If the gap is increased to such an extent that the trigger latch disengages although no start command has been entered, attempted forced entry will be reported.

#### Smoke alarm:

The input for an alarm system has been activated.

#### Maintenance necessary:

Yellow = the interval for maintenance has been exceeded.

#### Histories query area:

There are events in SVP-S5x that are saved directly in the database when an online connection is present, or that were initially collected in the ring buffer of the door control unit. The ring memory is read with the histories query.

The activity (red = on, gray = off), the query interval and the date of the last query are displayed.

#### Extended status area:

##### Time switch output active:

Green = time switch is active.

The internal time switch output function was configured and thus activated. The route is determined by the weekly schedules and public holidays.

#### Malfunction active area

##### DCW bus error:

Yellow = an error has occurred within the bus system.

The connection to the DCW component is checked every 8 s, if a module does not answer the alarm is triggered. If the connection is made again, the alarm is reset.

##### SVP lock malfunction:

Yellow = there is a malfunction in the SVP lock.

##### Causes can be:

Bolt blockage

Drive blocked.

PR module malfunction (SVP-S5x, SVA 2000 F, SVP 2000 F):

Yellow = there is a fault in the PR module

The SVP-S4x will generate a PR test request every 24 hours. However, this is only carried out if there has previously been an unlocking, since running the test does not generate its own unlocking of the lock. If the test is negative a malfunction is displayed and can be assigned to a relay output.

#### Description area:

The previously selected description is displayed here. You can see how to insert a description under the [Visualization main tab](#).

#### Buttons:

##### Temporary unlocking:

Unlocks the displayed door for the short-term unlocking periods defined under the Parameter settings main tab > ["Unlocking" \(SVP\) tab](#).

##### Long-term unlocking:

Unlocks the displayed door for the long-term unlocking periods defined under the Parameter settings main tab > ["Unlocking" \(M-SVP, SVP-S5x\) tab](#).

##### Permanent unlocking:

Unlocks the displayed door permanently.

##### Lock:

Immediately removes the unlocking (short-term, long-term or permanent) of the door.

##### Switch Command 5:

For setting an additional switching command. Configuration takes place in the "TMS Soft switch commands" tab under the ["Unlocking \(M-SVP, SVP-S5x\) tab](#) in the Parameter settings main tab.

#### "Settings" tab (MSVP, SVP-S5x, SVA)

The status display of the device is configured in the door panel representation via the Settings tab. Four status displays can be set for each door panel representation.

#### Signals in the door panel representation:

Description of the signals in a door panel visualization: Contains the labeling of the status in the door panel. Enter a display text in the respective field.

##### LED active:

Select the color of the LED display, if the signal is active.

##### LED not active:

Select the color of the LED display, if the signal is not active.

##### Signal:

Selection of the signal whose status is to be displayed.

#### Activate alarms for common alarm area:

An alarm message can be activated for every alarm type.

##### Activated:

Opens a window that provides information about the door description and the start and type of alarm. This message must always be acknowledged by the user.

##### Deactivated:

The respective alarm is not reported and also does not appear as a signal in the directory tree.



#### Note

See also Activate/deactivate alarm messages.

Additionally, the tamper alarm must be acknowledged on-site with the internal key switch. The key switch is configured in the **Parameter settings** main tab > [Key switch \(M-SVP, SVP-S5x\) tab](#). Since with an M-SVP, SVP S5x or SVA, there is often no key switch available for alarm acknowledgment, the acknowledgment can also be carried out using the switch command 5 button. To do this, go to the ["Special functions" tab \(M-SVP, SVP-S5x\)](#) > TMS Soft switch commands under Parameter settings and assign alarm acknowledgment to switch command 5.

Changes to the configuration are saved or reset using the buttons.

**Save:**

Saves all changes in the database. If the button is red, changes were made that must be saved in the database.

**Standard values:**

Resets the values to the standard values from dormakaba or the door control unit values that have been marked as "standard".

**Reset:**

Deletes the data entered and loads the last saved values from the database.



**Note**

The SVP-S5x control unit has an integrated timer. The drift of this timer is approximately 15 minutes per year. To keep the timer accurate to the nearest second, it is recommended that the timer function be used only in combination with TMS Soft on an online network (LON or LAN).

### 3.1.25 SVP device type

For all devices a detailed status of the door selected is displayed in the main Visualization tab. The status display of the device is configured via the Settings tab.

**"Door status" tab (SVP)**

The Door status tab shows the status of the selected device.

**Door status area:**

**SVP locked:**

Red (default value) = SVP lock is locked

Gray = the locked contact is open, the unlocked contact is still not closed or no lock is available.

**SVP unlocked:**

Green = SVP lock is unlocked

Gray = the locked contact is open, the unlocked contact is still not closed or no lock is available.

**Door handle operated:**

Gray (default value) = the door handle was not operated

Green = the door handle was operated.

**Short-term/long-term unlocking:**

Gray (default value) = no short-term or permanent unlocking

Green = door is unlocked for a short time or permanently.

**Permanent unlocking:**

Gray (default value) = no permanent unlocking

Green = door is permanently unlocked.

**Door closed:**

Red = door contact is closed

Green = door contact is open.

**Alarm area:**

Green = no alarm

Yellow = alarm triggered

If the corresponding alarm message is activated and an alarm event occurs, the affected area will be marked yellow in the directory tree.



**Note**

Switch to the **Settings** tab to activate/deactivate the display of alarm messages.

**Pre-alarm:**

Yellow = after a temporary or long-term unlocking, the door is open longer than permitted.

**Main alarm:**

Yellow = after a temporary or long-term unlocking, the door is open longer than permitted, and the pre-alarm has already elapsed.

**Tamper alarm:**

Yellow = the case of the SVP control unit has been improperly opened (anti-tamper switch) or an attempt has been made to force the door lock (attempted forced entry) or the connection cable was disconnected.

The tamper alarm is automatically acknowledged if the cause of the alarm was reset, e.g. the contacts closed again.

**Smoke alarm:**

Yellow = a smoke detector connected to the SVP control unit or the DCW-I/O module (from SVP firmware version 4.0) triggered the alarm. The smoke alarm is automatically acknowledged if the cause of the alarm is reset.

**SVP lock malfunction:**

Yellow = there is a malfunction in the SVP lock. Causes can be: bolt blockage, drive blocked. The alarm is automatically acknowledged if the cause of the alarm is reset.

**Door handle operated:**

Yellow = a connected door handle was operated with the door locked. The alarm is automatically acknowledged if the cause of the alarm is reset.

**SVP malfunction area:**

**Drive blocked:**

Red = the drive blockage was detected in an SVP2000 motor lock.

**Anti-tamper switch:**

Red = the tamper switch on the SVP control board was opened

**SVP cable disconnection:**

Red = a cable disconnection was detected.

**Attempted forced entry:**

Red = the trigger latch was operated with the lock locked.

**Description area:**

The previously selected description is displayed here. You can see how to insert a description under the [Visualization main tab](#).

**Short-term unlocking button:**

Unlocks the displayed door for the short-term unlocking periods defined under the Parameter settings main tab > ["Unlocking" \(SVP\) tab](#).

**Long-term unlocking button:**

SVP devices do not support long-term unlocking. Permanent unlocking button: Unlocks the displayed door permanently.

**Lock button:**

Cancels the unlocking (short-term, long-term or permanent) of the door again.

**"Command 5" button:**

For setting an additional switching command. Configuration takes place in the in the TMS Soft switch commands tab under the ["Special functions" tab \(SVP\)](#) in the Parameter settings main tab.

**"Settings" tab (SVP)**

The status display of the device is configured in the door panel representation via the Settings tab. Four status displays can be set for each door panel representation.

**Description of the signals in a door panel:**

Contains the labeling of the status in the door panel. Enter a display text in the respective field.

**LED active:**

Select the color of the LED display, if the signal is active.

**LED not active:**

Select the color of the LED display, if the signal is not active.

**Signal:**

Selection of the signal whose status is to be displayed.

**Activate alarms for common alarm area:**

An alarm message can be activated for every alarm type.

Activated: a window is opened that provides information about the door description and the start and type of alarm. This message must always be acknowledged by the user.

Deactivated: the respective alarm is not reported and also does not appear as a signal in the directory tree.



**Note**

See also Activate/deactivate alarm messages.

Changes to the configuration are saved or reset using the buttons.

**Save button:**

Saves all changes in the database.

If the button is red, changes were made that must be saved in the database.

Standard values button:

Resets the values to the standard values from dormakaba or the door control unit values that have been marked as "standard".

Reset button:

Deletes the data entered and loads the last saved values from the database.

### 3.1.26 ED device type

For all devices a detailed status of the door selected is displayed in the main Visualization tab. The status display of the device is configured via the Settings tab.

"ED status" tab (ED)

The ED Status tab allows remote control and shows the status of the door.

Door status area

Door status:

Shows the current status of the door as text.

Locking status:

Shows the current locking status of the door as text.

Door position [°]:

Shows the current opening angle.

Door position [°]:

Shows the opening angle of the door in °.

Information:

The display is used to indicate certain operating statuses and any potential errors arising from them.

Information is partially acknowledged automatically, some must be manually acknowledged.

Information is not stored in the error memory.



#### Note

Handling information. "In" information is used to make the operator easier to service and shows both malfunctions and operating states, that suppress the automatic operation of the operator.

Example:

In08 -> Emergency stop is pressed, the operator is not performing any automatic functions.

In01 -> A blockage was detected, the operator continues to work.

Information can be redirected to an error message if it occurs repeatedly.

Maintenance counter area



#### Note

Reloading the firmware causes the counters to be reset.

Door cycles:

Number of opening operations since commissioning.

The cycle counter counts the number of open positions started, i.e. as soon as the "Open" position is reached, the counter increases by 1.

Door cycles after maintenance:

Number of opening operations since last maintenance.

Operating hours:

Number of working hours since commissioning.

Alarm/maintenance area

Gives the signal for alarm states and upcoming maintenance.

Green = no alarm triggered or no maintenance required

Yellow = alarm triggered or maintenance due.



#### Note

Once the number of cycles has been reached, it may take up to an hour before the door signals an alarm and it is finally displayed in TMS Soft. This results in performance-related reasons.



**GLT program switch area**

Shows the current position of the program switch

Green = active position

Gray = not active.

The GLT program switch is selected under Parameterization > Configuration > Program switch, otherwise the buttons are grayed out.

**Input signals area**

Shows the status of input signals

Green = signal active

Gray = signal not active.

**Description area**

The previously selected description is displayed here.

You can see how to insert a description under the Visualization main tab.

**Opening pulse button:**

Unlocks the door with a short hold-open time.

This is configured under Parameterization > "Travel parameters" tab (ED) > Open position > Hold-open time.

**Night/bank opening button:**

Unlocks the door with a longer hold-open time.

This is configured under Parameterization > "Travel parameters" tab (ED) > Open position > Night/Bank hold-open time.

**Permanent open button:**

Unlocks the displayed door permanently by setting the PGS to the PERMANENTLY OPEN position.

**Lock (PGS off) button:**

Locks the displayed door by setting the PGS to the OFF position.

**"Command 5" button:**

For setting an additional switching command.

**Note**

The buttons will be active only if the functions are selected under Parameter settings > "Special functions" tab (ED) > TMS Soft switch commands; otherwise, the buttons will be grayed out. The opening impulse button is always deactivated when the program switch is in OFF position.

**"Extended status" tab (ED)**

The Extended status tab shows additional door data.

**Temperature area**

Ambient temperature [°C]:

Shows the current temperature of the operator

Max. ambient temperature [°C]:

Shows the maximum temperature measured in the operator.

Resetting this value is only possible using a firmware update.

Armature temperature [°C]:

Shows the current temperature in the armature.

Max. armature temperature [°C]:

Shows the maximum temperature measured in the armature.

Resetting this value is only possible using a firmware update.

**Opening parameters area**

Opening angle [°]:

Shows the opening position learned during a teach-in run.

Door weight [kg]:

Shows the door weight learned during a teach-in run.

Temperature, update opening button:

Queries the current data for temperature and opening status.

**Error messages area**

Error messages indicate malfunctions in the system or peripherals and trigger a reaction of certain door functions. Error messages are stored in the error memory in the order in which they occur.

A malfunctioning unit shows the currently pending error under "Current", after acknowledgment it is moved to the history.

The last saved error value is found in the "History 1" memory, the previous one in "History 2", etc., the oldest error memory is "History 9".

Identical error messages that occur one after the other are not saved again.

Delete error list button:

Deletes the display in the Error messages area.

This option can be prevented by deactivating the check box under Parameterization > Special functions > Commands.

Acknowledge errors button:

Acknowledges the message and moves the current error to the history. This option can be

disabled by deactivating the checkbox under Parameter settings > "Special functions" tab (ED) > Commands.

Firmware version area

Shows the firmware version in use by the door control, bootloader and special functions module.

Extension module area

Shows the installed and released special functions (function module).

Gray = module not available

Green = module installed and activated.



#### Note

See also: Upgrade cards for ED 100 and ED 250 (swing door operators).

"Settings" tab (ED)

The status display of the device is configured in the door panel representation via the Settings tab. Four status displays can be set for each door panel representation.

Description of the signals in a door panel:

Contains the labeling of the status in the door panel. Enter a display text in the respective field.

LED active:

Select the color of the LED display, if the signal is active.

LED not active:

Select the color of the LED display, if the signal is not active.

Signal:

Selection of the signal whose status is to be displayed.

Activate alarms for common alarm area:

An alarm message can be activated for every alarm type.

Activated: a window is opened that provides information about the door description and the start and type of alarm. This message must always be acknowledged by the user.

Deactivated: the respective alarm is not reported and also does not appear as a signal in the directory tree.



#### Note

See also Activate/deactivate alarm messages.

Save button:

Saves all changes in the database.

If the button is red, changes were made that must be saved in the database.

Standard values button:

Resets the values to the standard values from dormakaba or the door control unit values that have been marked as "standard".

Reset button:

Deletes the data entered and loads the last saved values from the database.

### 3.1.27 ES device type

For all devices a detailed status of the door selected is displayed in the main Visualization tab. The status display of the device is configured via the Settings tab.

"ES status" tab (ES)

The ES Status tab allows remote control and shows the door status.

Door status area

Door status:

Shows the current status of the door as text.

Locking status:

Shows the current locking status of the door as text.

Door position [mm]:

Displays the current opening width.

Door variant area

FST active:

Shows whether an FST module (escape route security door) is plugged in. If there is an FST, some door functions are changed, e.g. operation of the GLT program switch is prevented.

#### Maintenance counter area



#### Note

Reloading the firmware causes the counters to be reset.

Door cycles:

Number of opening operations since commissioning.

The cycle counter counts the number of open positions started, i.e. as soon as the "Open" position is reached, the counter increases by 1. Door cycles after maintenance: Number of opening operations since last maintenance.

Operating hours:

Number of working hours since commissioning.

Battery operating hours:

Number of working hours since last battery change.

#### Alarm/maintenance area

Gives the signal for alarm states and upcoming maintenance.

Green = no alarm triggered or no maintenance required

Yellow = alarm triggered or maintenance due.

#### GLT program switch area

Shows the current position of the program switch

Green = active position

Gray = not active

The GLT program switch is selected under Parameterization > Configuration > Program switch, otherwise the buttons are grayed out.

If a mechanical program switch is available or an FST control unit installed, the buttons are also grayed out.

#### Input signals area

Shows the status of input signals

Green = signal active

Gray = signal not active

#### Description area:

The previously selected description is displayed here.

You can see how to insert a description under the Visualization main tab.

#### Pharmacies opening button:

Triggers the pharmacies function.



#### Note

This function limits the opening width of the door.

After the set opening width is reached, the locking function is activated and the door remains in this position until the Pharmacies opening is cancelled.

If the function is cancelled again during open movement, before the opening width is reached or the PGS is switched to another PGS position, the door will move to the pharmacies locked position, then unlock and move back to the CLOSED position.

After a cancelled pharmacies function or by toggling to another program switch position, the door CLOSES again and locks. Normal operation will then be resumed.

#### Opening pulse button:

Unlocks the door with a short hold-open time.

This is configured under Parameterization > "Travel parameters" tab (ES) > Open position > Hold-open time.

**Night/bank opening button:**

Unlocks the door with a longer hold-open time.

This is configured under Parameterization > "Travel parameters" tab (ES) > Open position > Night/Bank hold-open time.

**Permanent open button:**

Unlocks the displayed door permanently by setting the PGS to the PERMANENTLY OPEN position.

**Lock (PGS off) button:**

Locks the displayed door by setting the PGS to the OFF position.

**"Command 5" button:**

For setting an additional switching command.

Configuration takes place in the main tab Parameterization on the "Special functions" tab (ES) in the TMS Soft switch commands tab.

**Note**

The buttons will be active only if the functions are selected under Parameter settings > ["Special functions" tab \(ED\)](#) > TMS Soft switch commands; otherwise, the buttons will be grayed out. The opening impulse button is always deactivated when the program switch is in OFF position.

**"Extended status" tab (ES)**

The Extended status tab shows additional door data.

**Opening parameters area****Opening width [mm]:**

Shows the opening width learned during a teach-in run.

**Door weight:**

Shows the door weight learned during a teach-in run.

**Error status area****Time since error [h]:**

Displays the duration in hours since the error occurred.

**Error 4 Diagnostics:**

For error number 4 on the closing edges, the error type will be displayed here:

error-free

HSK error

NSK1 error

NSK2 error

LS1 error

LS2 error

**Processor area****GM processor setting:**

Shows the current status of the switches (fuses) in the microcontroller of the basic module (GM).

**OK:**

The switches are programmed correctly.

**Not Ok:**

The switches are not programmed correctly.

**FST processor setting:**

Shows the current status of the switches (fuses) in the microcontroller of the FST module.

**Diagnostics area****Synchronous diagnostics:**

Shows the status of synchronous operation (also suitable for self-diagnostics of a basic module).

**Not ok:**

The synchronization connection between two operators is missing.

**OK:**

The synchronization connection between two operators exists and there is a master and a slave  
Diag. M.:

the synchronization connection between two operators exists but there are only two master operators. One operator must be configured as a Slave.

**Diag. S.:**

the synchronization connection between two operators exists but there are only two slave operators. One operator must be configured as a Master.

Update button:

Queries the current door data.

#### Error messages area

Error messages indicate malfunctions in the system or peripherals and trigger a reaction of certain door functions. Error messages are stored in the error memory in the order in which they occur.

A malfunctioning unit shows the currently pending error under "Current", after acknowledgment it is moved to the history.

The last saved error value is found in the "History 1" memory, the previous one in "History 2", etc., the oldest error memory is "History 9".

Identical error messages that occur one after the other are not saved again.

Delete error list button:

Deletes the display in the Error messages area.

This option can be disabled by deactivating the check box under Parameterization > "Special functions" tab (ES) > Commands.

Acknowledge errors button:

Acknowledges the message and moves the current error to the history.

This option can be disabled by deactivating the check box under Parameterization > "Special functions" tab (ES) > Commands.

#### Firmware version area

Shows the firmware version in use by the door control unit and bootloader.

"Settings" tab (ES)

The status display of the device is configured in the door panel representation via the Settings tab. Four status displays can be set for each door panel representation.

Signals in the door panel representation:

Description of the signals in a door panel:

Contains the labeling of the status in the door panel.

Enter a display text in the respective field.

LED active:

Select the color of the LED display, if the signal is active.

LED not active:

Select the color of the LED display, if the signal is not active.

Signal:

Selection of the signal whose status is to be displayed.

#### Activate alarms for common alarm area:

An alarm message can be activated for every alarm type.

Activated:

Opens a window that provides information about the door description and the start and type of alarm. This message must always be acknowledged by the user.

Deactivated:

The respective alarm is not reported and also does not appear as a signal in the directory tree.



#### Note

See also Activate/deactivate alarm messages.

Save button:

Saves all changes in the database.

If the button is red, changes were made that must be saved in the database.

Standard values button:

Resets the values to the standard values from dormakaba or the door control unit values that have been marked as "standard".

Reset button:

Deletes the data entered and loads the last saved values from the database.

### 3.128 IO device type

For all devices a detailed status of the door selected is displayed in the main Visualization tab.

The status display of the device is configured via the Settings tab.

"Door status" tab (IO)

The Door status tab displays the states of the inputs and outputs of the selected device and the logical alarms.



#### Note

Devices with firmware version 4.5 or higher are supported.

#### Status area:

##### Inputs:

Shows the states of the IO device inputs according to choice of color on the

#### Settings tab.

##### Outputs:

Shows the states of the IO device outputs according to connection on the [Settings] tab.

#### Alarm area:

Green = no alarm

Yellow = alarm triggered

If the corresponding alarm message is activated and an alarm event occurs, the affected area will be marked yellow in the directory tree and an alarm message window opened.

Causes for an alarm can be the signals from the connected external devices or originate from logically combined inputs.

The input signal and the tamper signal can be linked as required using NOT, AND, NAND, OR, NOR, XOR, NXOR, e.g. "I1 AND (I2 OR NOT I3) AND tamper".



#### Note

Switch to the **Settings** tab to activate/deactivate the display of alarm messages.

#### Description area:

The previously selected description is displayed here.

You can see how to insert a description under the Visualization main tab.

#### Buttons IO Output 1 ... IO Output 4:

Switch or button for direct activation of the outputs.

The function and description for each output are configured on the Settings tab and parameterized on the Parameterization tab.

#### "Command 5" button:

This function is not supported.

#### "Settings" tab (IO)

Five status displays can be set for each door panel representation.

Additionally the states of the inputs and outputs can be visualized for the door status.

Door panel representations are arranged in an overview. Each tile represents one door.

The status display of the device is configured in the door panel representation via the Settings tab.

#### Inputs description:

##### Inputs description:

Contains the description for the status display for the output (Door status tab).

##### Input active:

Selects the color of the status display, if the signal is active

##### Input inactive:

Selects the color of the status display, if the signal is inactive

#### Outputs description:

Contains the description for the status display for the output (Door status tab).

#### Linked to range button:

Selects the area button/switch connected with the output

#### Button type:

Selects the button type: Switch or button

##### Push button

When the button is pressed only one telegram is sent to the IO module. The relay on the IO module picks up briefly and drops out again after a adjustable time (monoflop function). Under Parameterization the outputs can be set to "Monoflop function" mode or "Flashing mode(monoflop)"

##### Switch:

When the button is first pressed a telegram to switch on the relay is sent, when pressed again a telegram to switch off is sent (toggle function). Under Parameterization the outputs can be set to the "Normal on/off function" or "Flashing (permanent) mode" or

"Switch-on delay".



#### Note

Connection to a button in the area view can only be made if the button is defined as a push button.

#### Description of the signals in a door panel:

Contains the labeling of the status in the door panel.

Enter a display text in the respective field.

#### LED active:

Selects the color of the status display, if the signal is active.

#### LED not active:

Selects the color of the status display, if the signal is inactive.

#### Signal:

Linking input signals to generate alarm messages.

The messages appear in the "Logical alarm" field in the detail view.

Possible logical operators:

AND, NAND, OR, NOR, XOR, XNOR, NOT

No input:

No signals will be displayed.

Example: I1 AND I2 > If input I1 and I2 are active, no alarm message is emitted.



#### Note

The "Logical alarms" are not written in the history data nor in the "Alarm messages" popup window.

#### Activate alarms for common alarm area

An alarm message can be activated for every alarm type.

Activated: a window is opened that provides information about the door description and the start and type of alarm. This message must always be acknowledged by the user.

Deactivated: the respective alarm is not reported and also does not appear as a signal in the directory tree.



#### Note

See also Activate/deactivate alarm messages.

#### Buttons:

##### Save:

Saves all changes in the database.

If the button is red, changes were made that must be saved in the database.

##### Standard values:

Loads the dormakaba default values from the database

##### Reset:

Deletes the data entered and loads the last saved values from the database.

##### Basic setting selection field:

For selecting the standard settings for the Visualization of different control units (RZ12, TL-S8, SVP lock), that are connection via the IO module.

### 3.1.29 TE device type

For all devices a detailed status of the door selected is displayed in the main Visualization tab. The status display of the device is configured via the Parameter settings tab (TE60 Control 2L, SCMC80). The panel allows simple control and visualization of escape route doors, SVP locks and I/O modules.

#### TE25 Basic 2L

Further information on visualization and control of these devices can be found under the topic [Use of TE devices](#).

Further information on the parameters can be found in the appendix under the topic SNVT and SCPT

details for TE25 control.

TE60 Control 2L, SCMC80

Up to six doors can be visualized and controlled with the TE60 Control 2L panel insert, and up to eight doors with the SCMC80 panel insert.

The doors can optionally be equipped with a TMS, SVP or IO module control.

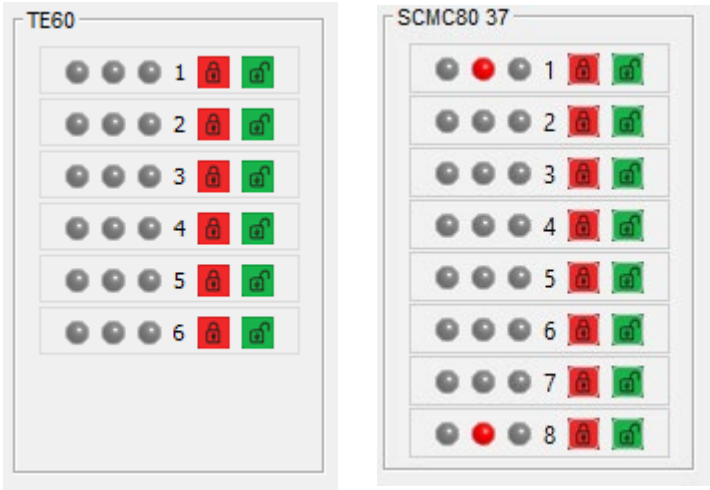


Note

For further information, please see the appendix under the topic [SNVT and SCPT details for TE60 Control, SCMC80](#).

TE60, SCMC80 under TE25 status display

The status information for the doors affected depends on the connected device type:



Status display for TMS and SafeRoute:

|                  |                 |   |
|------------------|-----------------|---|
| Green LED        | 5 Hz            | Temporary unlocking active  |
|                  | 2 Hz            | Long-term unlocking active  |
|                  | Permanent light | Permanent unlocking active  |
| Red LED          | Permanent light | DL locked:  |
| Yellow LED/piezo | 5 Hz            | Alarm in the case of pre-alarm, main alarm, emergency button pressed, anti-tamper alarm, smoke alarm, false code alarm, DCW bus error, SVP control unit malfunction, door handle operated, if DL locked |

Status display for SVP:

|                  |                 |  |
|------------------|-----------------|--|
| Green LED        | Permanent light | SVP unlocked, so that gr. LED also activated with door handle operation.   |
| Red LED          | Permanent light | SVP locked   |
| Yellow LED/piezo | 5 Hz            | Alarm in the case of pre-alarm, main alarm, anti-tamper alarm, smoke alarm, malfunction, attempted forced entry, drive blocked |

Status display for IO module FWS:

|                  |                 |                                      |
|------------------|-----------------|--------------------------------------|
| Green LED        | Permanent light | Temporary/permanent unlocking active |
| Red LED          | Permanent light | DL locked:                           |
| Yellow LED/piezo | 5 Hz            | Alarm, tamper alarm                  |

Status display for IO module SVP:

|           |                 |              |
|-----------|-----------------|--------------|
| Green LED | Permanent light | SVP unlocked |
| Red LED   | Permanent light | SVP locked   |



|                  |      |              |
|------------------|------|--------------|
| Yellow LED/piezo | 5 Hz | Tamper alarm |
|------------------|------|--------------|

Button function for outputs  
 Green button = unlock  
 Red button = lock

## SCMC20

An SCMC20 is a central emergency button via which up to 64 doors can be activated for security purposes with the premium license.

Up to 8 SCMC80 as DCW components, and 1 SCMC30 (switch-off of the local emergency button) and 1 SCMC40 (activation of the emergency open delay T2) can be registered on ONE SCMC20.

A central emergency button can be assigned to one or more doors via the [configuration software](#).

**Status**  
 All doors locked  
 All doors unlocked  
 Alarm system from SCMC  
 Alarm system from one SCU  
 Access denied active  
 Access denied to another SCMC  
 SCMC emergency push button is pressed,...  
 At least one SCU is released  
 SCMC80 buttons blocked  
 T1 is active on an SCU  
 T2 active on an SCU  
 Address set on the DIP switch (1-4)   
 Address saved (1-4)

**Error**  
 SCMC20 error  
 Error SCMC20, address error  
 SCMC30 error, device missing or self-test error  
 Error SCMC40, device missing

**Description**  
 SCMC20 1  
 UID: 00 00 24 EB  
 Firmware: 1.5.0  
 License:

| Status                            | Meaning   |
|-----------------------------------|---|
| All doors locked                  | All assigned doors are locked.  |
| All doors unlocked                | All assigned doors are unlocked.  |
| Alarm system from SCMC            | A fire alarm system connected to the SCMC20 has been triggered.   |
| Alarm system from an SCU          | A fire alarm system connected to the SCU-xx has been triggered.   |
| Access Denied active              | At SCMC30, the "Access Denied" function was activated and the function was activated via the configuration software on an SCU-xx.   |
| Access Denied to a different SCMC | On local doors, the "locked emergency button" function has been activated by a parallel panel.  |
| SCMC NT pressed, released         | <ul style="list-style-type: none"> <li>The emergency button on the central panel was pressed.</li> <li>All assigned doors will be released for 1 min.</li> <li>A recurring signal then sounds, which requests the release to be acknowledged.</li> <li>The alarm can be acknowledged by pressing the right buttons twice on the SCMC20 key switch.</li> <li>The assigned doors will be locked again.</li> </ul> |
| SCMC80 buttons locked             | <ul style="list-style-type: none"> <li>Blocking the keyboard of a SCMC80 connected via DCW bus by turning the key switch to the left.</li> <li>If the key lock is on, the "Button disable" field will light up.</li> </ul>  |

|                        |  |
|------------------------|--|
| T1 is active on an SCU | A local release has been made on a door and the door has an emergency open delay T1.   |
| T2 active on an SCU    | <ul style="list-style-type: none"><li>• A local release has been made on a door and the door has an emergency open delay T1.</li><li>• During T1, emergency open delay T2 was activated on the SCMC40.</li></ul> |

### 3.1.30 DCW nodes

#### PI3 inside

##### Internal I/O

##### STV DCW 1

##### STV DCW 4

##### SCMC20 4

##### SCU emergency push button 1

##### I/O module DCW 1

##### I/O module DCW 4

##### Logic 1

The DCW nodes will be displayed below a device. The right window will show device-specific data depending on the DCW node.

#### Emergency button:

#### Inputs

##### Anti-tamper alarm ST

Shows the evaluation of the anti-tamper circuit of the internal key switch.

##### Anti-tamper STL-G

Shows the evaluation of the cover contact of the emergency button (SCU-UP evaluates the cover frame; STL-G evaluates the housing contact).

##### Anti-tamper service switch

Indicates whether the service switch bypasses the evaluation of the anti-tamper contact in the overall system.

#### Status

##### Released

The system was released via an emergency button (local or central).

##### Alarm system triggered

The system was released as an emergency via the fire alarm system or a smoke switch.

##### Alarm system switch S5 AS

The evaluation of the input for the alarm system is activated (the AS input must be at positive potential above 18 kOhm).

##### Terminal housing (STL-G)

If the indicator is green, the signal generator and the cover tampering contact of the door terminal housing are active.

##### Configuration active

Indicates that the system is in configuration mode (LED indicators on the emergency button light up blue).

##### Push button (RESET)

Indicates that the reset button is pressed

#### SCU-ST xx

##### Key switch in right position

The key switch is in the right position

##### Key switch in left position

The key switch is in the left position

#### SCU-NT I/O xx

## Input 1

Indicates whether input 1 is set

## Input 2

Indicates whether input 2 is set

## Output 1

Indicates whether output 1 is set

## Output 2

Indicates whether output 2 is set

## Output 1G

Indicates whether output 1G is set

## CPU 3 firmware version

## Version

Displays the current CPU 3 firmware version. Firmware updates via TMS Soft are possible.

## CPU 1/2 firmware version

## Version

Displays the current CPU 1/2 firmware version in the safety circuit. The safety circuit cannot be updated via TMS Soft.

## Security parameter

Security parameters are set via the configuration software and allow the setting of functions, some of which may be used only with approval in individual cases (ZiE) from the building supervisory authority. Please note the regional regulations

## Automatic relocking

If the emergency button is pressed and the lock is released but the door is not opened within one minute, the system will automatically relock and the alarm will be reset.

## Deactivating emergency push button ...

In conjunction with a permanently staffed location (e.g. gate), the local emergency button can be switched off from the central location via a panel (SCMC 20 + SCMC 30).

## Alarm system mode

A distinction is made between alarm system modes "a" and "b".

In alarm system mode "a", an acoustic alarm will be triggered when the "AS" input is triggered. All emergency open delay timers and the blocked release are deactivated. The locking systems concerned will be released directly.

In alarm system mode "b", an acoustic alarm will be triggered when the "AS" input is triggered. Active delay timers will also be canceled. The doors will be released immediately. The blocked release will be canceled and the local emergency button activated. The doors will remain locked and can be unlocked via the local emergency button.

## One-time delay time T1 activated

When the emergency button is activated, the connected electric locking devices will be released only after the set delay time has elapsed for safety purposes

## Two-time delay time T2 activated

If delay time T1 is running, the delay time can be extended once by timer T2 via the panel extension (SCMC 20 + SCMC40) up to release.

## One-time delay time (value)

Displays the countdown for delay time T1

## Two-time delay time (value)

Displays the countdown for delay time T2

## DCW status

## Number of DCW malfunctions

If there are communication problems (e.g. cable too long or interference in the cable) between the SCU control unit and the locking device, the counter will be increased.

## Door locks

## STV 1-4

Displays the UIDs (unique addresses) of the assigned SafeRoute door locks.

## Diagnosis

## Voltage 24 V

Displays the applied operating voltage

## Voltage 5 V

Displays the power supply for processors CPU 1–3

## Temperature [+-°C]

Displays the temperature for CPU 3

## Emergency push button actuation

Shows the number of emergency button actuations. This value is updated approximately every five minutes

## Operating hours

Displays the number of hours the system has been running. This value is updated approximately

every five minutes

## Error

No.

Displays the error number

Description

Displays the name of the error number in plain text

Action

None; normal operation or system released

Acknowledgment

Indicates that the error may need to be reset manually via an alarm acknowledgment on the key switch, or it may automatically acknowledge itself.

Description

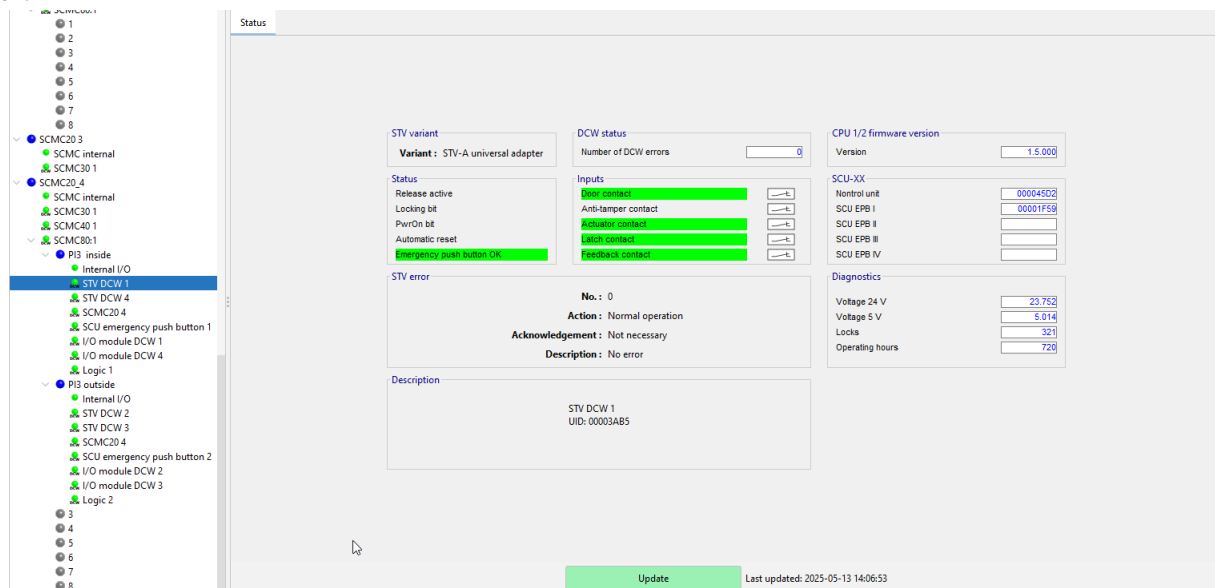
Explains the cause of the error and describes the procedure necessary to eliminate the error

Description

Provides a description of the component

Device, DCW address, UID (if available), description from the visualization tree

## Door lock:



## STV variant

Variant

Shows the type of locking variant

There are four different variants of STV locks.

STV 100: Electromechanical locking device

STV 200: Electromagnetic locking device

STV 500: Electromechanical escape door opener

STV-A: Adapter for connecting analog, certified escape door locks.

## DCW status:

Number of DCW malfunctions:

If there are communication problems (e.g. cable too long or interference in the cable) between the SCU control unit and the locking device, the counter will be increased.

## CPU 1/2 firmware version

Version

Shows the firmware version.

## Status

Release active:

The locking device was released via an emergency button (local or central)

Locking bit:

A short-term or long-term unlocking has expired, or the locking command after a permanent unlocking has been triggered AND the door is not closed. The lock wants to lock but cannot.

PwrOn bit

Indicates a firmware restart after power ON. This display is always off during operation.

Automatic reset

This is a function according to EN 13637 and within the scope of EltVTR and one permitted only with approval on a case-by-case basis.

Emergency push button OK

The emergency button is working properly.

## Inputs

## Door contact

Indicates the function of the magnetic contact on terminal 18/19

## Tamper contact

Indicates whether the case is open or closed

## Tappet contact

Indicates in the case of an STV 100 whether the holder is retracted into the STV

Indicates in the case of an STV 200 whether the armature plate is in contact with the magnet

STV 500 and STV-A do not have tappet contacts

## Door lock

Indicates that the door lock is activated

## SCU-XX

## Control unit, SCU-NT 1-4

Displays the UID of the assigned emergency buttons with the corresponding DCW addresses

## STV error

No.

Displays the error number

Description

Displays the name of the error number in plain text

Action

None; normal operation or system released

Acknowledgment

Indicates that the error may need to be reset manually via an alarm acknowledgment on the key switch, or it may automatically acknowledge itself.

Description

Explains the cause of the error and describes the procedure necessary to eliminate the error

## Diagnosis

Voltage 24 V

Displays the applied operating voltage

Voltage 5 V

Displays the power supply for processors CPU 1–3

Locking devices

Shows the number of locks since commissioning

Operating hours

Displays the number of hours the system has been running. This value is updated approximately every five minutes

Provides a description of the component

Device, DCW address, UID (if available), description from the visualization tree

## ST 3x key switch:

The screenshot shows the TMS Soft interface for configuring the ST 3x key switch. On the left, a tree view lists various components, with 'ST3x DCW 1' highlighted. The main panel displays the configuration for this component, including inputs, status, and description sections.

**Inputs:**

- Key switch in left position
- Key switch in right position
- Anti-tamper contact

**Status:**

- Number of DCW errors: 0

**Description:**

- ST3x DCW 1

At the bottom right, there is an 'Update' button and a timestamp: 'Last updated: 2025-05-05 09:30:32'.

## Inputs:

Key switch in right position

The key switch is in the right position

Key switch in left position

The key switch is in the left position

Tamper contact

Indicates whether the case is open or closed

## Status

Number of DCW malfunctions

If there are communication problems (e.g. cable too long or interference in the cable) between the SCU control unit and the locking device, the counter will be increased.

## Description

Provides a description of the component

Device, DCW address, UID (of the control unit), description from the visualization tree

ST 5x key switch:

The screenshot shows the TMS Soft interface. On the left, a tree view lists various components, with 'ST55 DCW 1' highlighted. The main panel displays the configuration for 'ST55 DCW 1'. It includes an 'Inputs' section with five items: 'Key switch in left position', 'Key switch in right position', 'Anti-tamper contact', 'Touch sensor active', and 'Attempted tampering'. Each input has a corresponding icon. The 'Status' section shows 'Number of DCW errors' as 0. The 'Description' section shows 'ST55 DCW 1' and 'UID: 000107F5'. At the bottom, there is an 'Update' button and a timestamp 'Last updated: 2025-05-13 14:10:57'.

Inputs:

- Key switch in right position
  - The key switch is in the right position
- Key switch in left position
  - The key switch is in the left position
- Tamper contact
  - Indicates whether the case is open or closed
- Touch sensor active
  - Indicates when the touch sensor is touched
- Attempted tampering
  - Not currently active

Status:

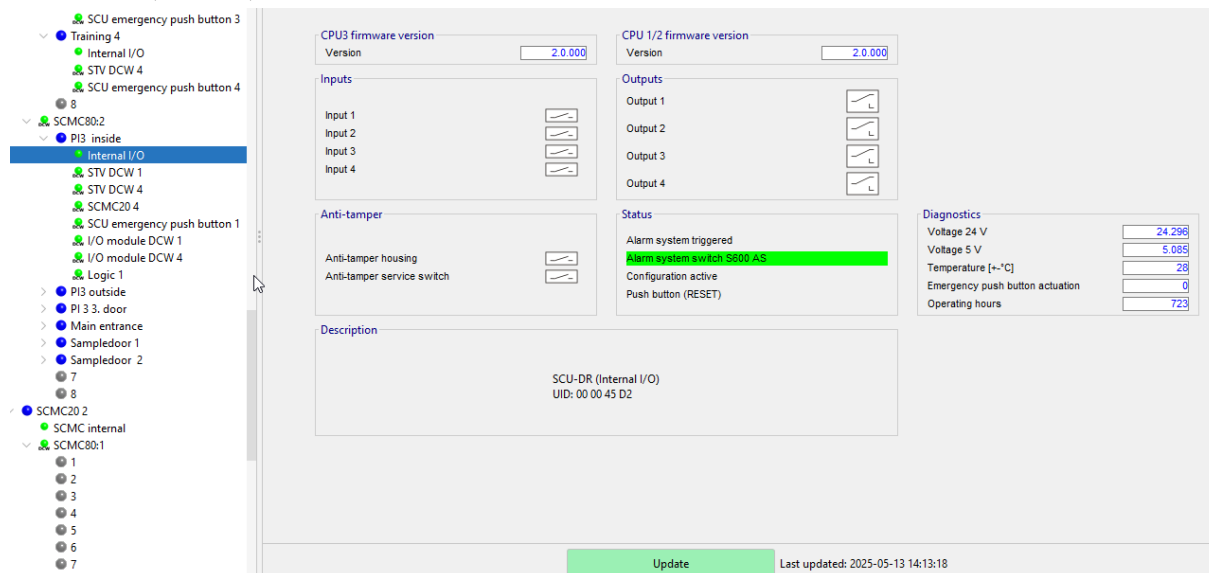
- Number of DCW malfunctions
  - If there are communication problems (e.g. cable too long or interference in the cable) between the SCU control unit and the locking device, the counter will be increased.

Description

Provides a description of the component

Device, DCW address, UID (of the control unit), description from the visualization tree

## Internal I/O module (SCU-DR)



## CPU 3 firmware version

## Version

Displays the current CPU 3 firmware version. Firmware updates via TMS Soft are possible.

## CPU 1/2 firmware version

## Version

Displays the current CPU 1/2 firmware version in the safety circuit. The safety circuit cannot be updated via TMS Soft.

## Inputs

## Inputs 1–4

Displays the status of inputs 1–4: active or inactive

## Outputs:

## Outputs 1–4

Displays the status of outputs 1–4: active or inactive

## tamper

## Anti-tamper housing

Indicates whether the case is open or closed

Anti-tamper service switch

## Status:

Alarm system triggered

Alarm system switch S5

Configuration active

Push button (RESET)

## Diagnosis

Voltage 24 V

## Voltage 5 V

Temperature [+-°C]

Emergency push button actuation

Operating hours

## Description

Provides a description of the component

Device, DCW address, UID (of the control unit), description from the visualization tree





#### Inputs:

Inputs 1–4

Displays the status of inputs 1–4: active or inactive

#### Outputs:

Outputs 1–4

Displays the status of outputs 1–4: active or inactive

#### Status:

Anti-tamper service switch:

Indicates whether the service switch bypasses the evaluation of the anti-tamper contact in the overall system.

#### Number of DCW malfunctions:

If there are communication problems (e.g. cable too long or interference in the cable) between the SCU control unit and the locking device, the counter will be increased.

#### Description:

Provides a description of the component

Device, DCW address, description from the visualization tree

#### STD-UP touch display



#### STD-UP status

##### Menu version

Displays the firmware version of the STD

##### Tamper contact

Indicates whether the anti-tamper contact is open or closed

##### Menu 3

Indicates whether touch pulse buttons 1–3 are active

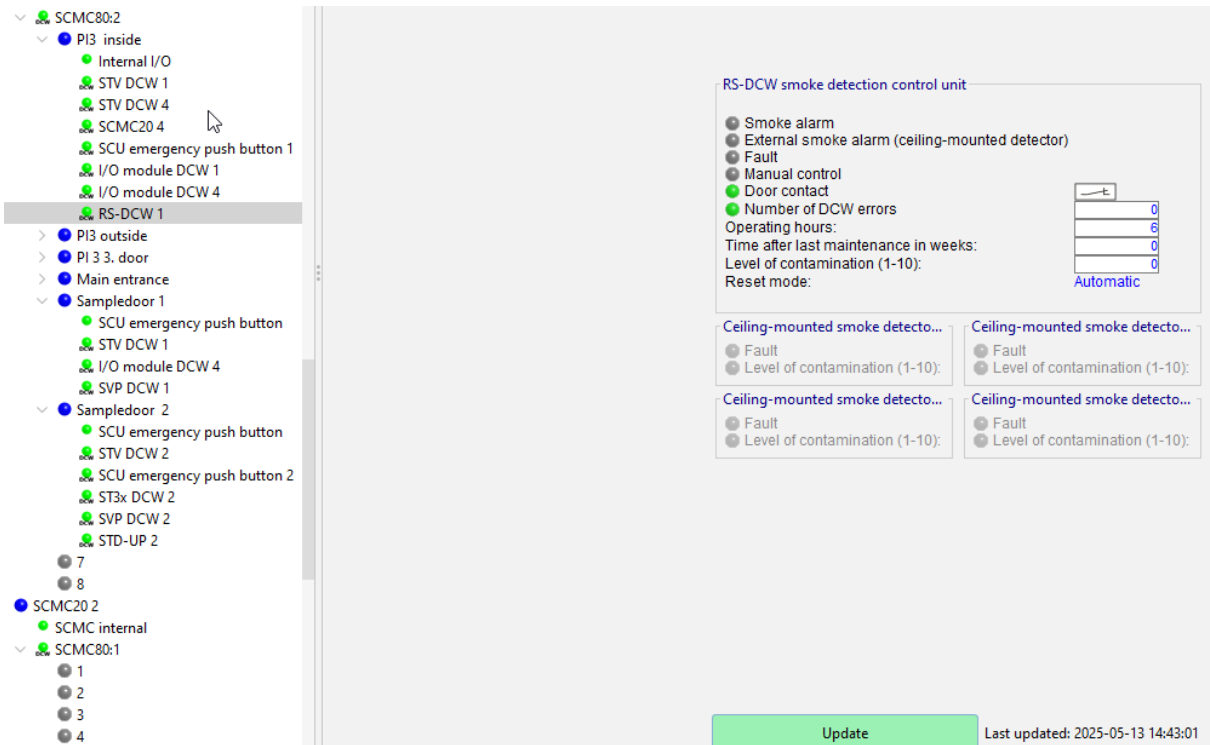
##### Menu 4

Indicates whether touch pulse buttons 4–6 are active

##### Menu 5

Indicates whether touch pulse buttons 7 and 8 are active  
The pulse buttons can be assigned functions via the TMS Soft parameter settings

## RS-DCW



## RS – DCW smoke detector panel

## Smoke alarm

Lights up red when the internal smoke detector detects smoke. The SafeRoute system will be unlocked as an emergency

## External smoke alarm (ceiling-mounted detector)

Lights up red when an external smoke detector detects smoke. The SafeRoute system will be unlocked as an emergency

## Fault

Lights up red when an error is detected, e.g. the 18 kOhm resistor is missing from the wiring

## Manual control

Lights up green when the "Close door" button has been pressed. Resets automatically after about ten seconds

## Door contact

Lights up green when the door contact (terminal 12/18) is closed (door closed)

## Number of DCW malfunctions

If there are communication problems (e.g. cable too long or interference in the cable) between the SCU control unit and the locking device, the counter will be increased.

## Operating hours

Displays the number of hours the system has been running after commissioning

## Time after last maintenance in weeks

Displays the time in weeks since the last maintenance reset

## Level of contamination

Shows the level of contamination of the smoke chamber in % (1 = 10%, 10 = 100%). If the level of contamination is >80%, replacement should be carried out

## Reset mode

Indicates reset mode (DIP switch 1; off = automatic reset, on = manual reset)

## Ceiling-mounted smoke detectors 1–4

## Fault

Lights up red when an error is detected, e.g. the 18 kOhm resistor is missing from the wiring

## Level of contamination

Shows the level of contamination of the smoke chamber in % (1 = 10%, 10 = 100%). If the level of contamination is >80%, replacement should be carried out

## ZM208 DCW

The ZM208 DCW is a time module for delayed activation.

Only one ZM208 module can be connected to a TMS device (TL-S TMS 2).

If no display is shown the current data must be queried. Click on Update module status to do this.



## Note

The display is continuously updated when a cyclical DCW module query is switched on. Otherwise the component status at the time of the last query is shown.

Status displays of inputs and outputs:

Green: Input or output is active

Grey: Input or output is inactive

Number of DCW malfunctions:

Displays the number of telegrams not transmitted since module commissioning.

|                                 |   |
|---------------------------------|---|
| Address set on DIP switch (1–4) | <ul style="list-style-type: none"> <li>Current hardware address setting on DIP switch S6 of SCMC20</li> <li>Display a brief white light on the SCMC20 by pressing the LED test button twice</li> </ul>  |
| Address saved (1-4)             | <ul style="list-style-type: none"> <li>Saved SCMC20 address in the Eprom</li> <li>Saves the currently set address according to DIP switch S6 by pressing the reset button S4 for 8 s</li> </ul>   |
| Error                           |   |
| SCMC20 error                    | The SCMC20 has not yet received all status messages of the assigned devices following power failure   |
|                                 | An error was detected when the "access denied" command was activated  |
| SCMC30 error                    | <p>Note:</p> <p>You can rectify the error by connecting an SCMC30 and checking the ribbon cable.</p> <p>Delete SCMC30 from SCMC20 memory:</p> <p>perform an eight-second reset on the SCMC20.</p>   |
| SCMC40 error, device is missing | <p>An error was detected when the T2 emergency open delay was activated</p> <p>Note:</p> <p>You can correct the error by connecting an SCMC40 and checking the ribbon cable.</p> <p>Delete SCMC40 from SCMC20 memory:</p> <p>perform an eight-second reset on the SCMC20.</p> |
| Error, SCMC20 address error     | <p>The set DIP switch address does not match the stored DIP switch address.</p> <p>Note:</p> <p>You can fix the error if you set the DIP switch to the desired value and run an 8 second reset.</p>   |
| Description                     |   |
| Device name display             | Information   |
| UID                             | Information   |
| Firmware version                | Information   |

#### DCW components

From TMS Soft version 4.5 and higher the DCW components are set in the directory tree below the door control units. The DCW status is thus displayed in a separate window.

SVP-S 2x and I/O LON/LAN central units do not support any DCW modules

The following DCW components are displayed depending on the central unit.

| Chapter | Module for TMS,<br>M-SVP types | Module for TMS basic<br>types | SVP-S4x | Module for ED<br>types | Module for ES<br>types |
|---------|--------------------------------|-------------------------------|---------|------------------------|------------------------|
|---------|--------------------------------|-------------------------------|---------|------------------------|------------------------|

|                            |                            |                            |             |  |
|----------------------------|----------------------------|----------------------------|-------------|--|
| I/O module / ST - internal | I/O module / ST - internal | I/O module / ST - internal | FM module 1 | Mechanical program switch - internal ES module |
| I/O module DCW 1-4         | I/O module DCW 1-4         | I/O module DCW 1-4         | PGS DCW 1-2 | FM interlock 1                                 |
|                            | I-15 1-4                   | I-15 1-4                   | RS DCW 1-2  | FM sensor test 1                               |
|                            | O-15 1-4                   | O-15 1-4                   | ST3x DCW    | FM status 1                                    |
| RS DCW 1-4                 | RS DCW 1-4                 | RS DCW 1-4                 | SVP-DCW 1-4 | FST module 1                                   |
| ST3x DCW                   | ST3x DCW                   | ST3x DCW                   |             | I/O module DCW                                 |
| SVP DCW 1-2                | SVP DCW 1-2                | SVP DCW 1-2                |             | PGS DCW 1-2                                    |
| DCW reader 1-4             |                            | DCW reader 1-4             |             | STV DCW 1-2                                    |
| Pad 1-4                    |                            | Pad 1-4                    |             |  |
| TSD S55 DCW 1              |                            |                            |             |  |
| TV1xx DCW 1-4              | TV1xx DCW 1-4              |                            |             |  |
| ZM208 DCW 1                |                            |                            |             |  |
| TL-S DCW 1-4               | TL-S DCW 1-4               |                            |             |  |



#### Note

Notes to DCW modules on TMS, SafeRoute, M-SVP, SVP-S4x

After switching on the operating voltage all connected DCW modules automatically report chronologically to the TMS central units with a status telegram (1 s. + 20 ms \* module address).

The DCW modules are stored as active nodes in the central unit. The active nodes are now queried every 8 s.

If a DCW module does not answer, the yellow alarm LEDs in the lighting module flash and the operation LED on the corresponding DCW module goes out. This alarm is automatically acknowledged as soon as the module is active again.

To remove a module, in the Visualization menu > Directory tree, use the function "DCW Delete/update" by pressing the right mouse button on a device.

After the first Power-On, standard values are automatically loaded so that the unit is immediately ready for operation. These standard values can be changed with the help of the PC software at any time.

## Functions (ES 200)

### Description of the functions of the contacts of the extension modules

|  |  |
|--|--|
| No function  | The contact is switched off.   |
| Contact active in door position OPEN                   | The contact is closed if the door is open  |
| Contact active in door position CLOSED                 | The contact is closed if the door is closed.   |
| Contact active with malfunction                        | The contact is closed if the current error is not null.  |
| Contact active when completed (door closed and locked) | The door CLOSED position is determined via the incremental encoder and the locked status via the feedback contact on the locking device. The signal will be canceled if the locking device is lifted by hand or the door is moved 2 cm from its CLOSED position. |

|   |  |
|---|--|
| Contact active if there is a lock alarm | <p>Lock alarm</p> <p>This function is only active in the automatic position (not in PGS = OFF). This alarm can occur with all locking devices.</p> <p>If the sliding door opening width is less than 8.5 cm and an obstacle appears during the opening movement (floor lock still closed), the operator attempts to open three times. After the first attempt, error 23 will be displayed on the PDA and error 2 on the seven-segment display. The error is deleted after another opening impulse, when the door has opened further than 8.5 cm. If the floor lock is still closed and there is another opening impulse, the operator only attempts to start once. If the obstacle is removed, such as by a floor lock, the door will open at creep speed.</p> <p>Note on FST units:</p> <p>If an opening movement is initiated with a locked door (by a floor lock) in the CLOSED position, error 23 cannot necessarily be displayed in an automatic position; instead, error 20, error 25 or others will be displayed.</p> |
| Doorbell contact                        | <p>If the light barrier is activated while the door is moving or is in the OPEN position, the doorbell contact will be activated for 1 s. Once the light barrier has been released, a blocking time of 3 s starts to activate the doorbell contact. If a light barrier is activated during the lockout time, this time is restarted. The doorbell contact is inactive in the CLOSED position.</p>  |

#### FM interlock (ES 200)

The FM interlock is an interlock I/O function module with the address 49.

The four inputs and outputs 3-4 (door status 7-6) have a fixed signal mapping, the outputs 1-2 (door status 5-6) can be parameterized.

Only one DCW module of the FM interlock type can be connected to an ES 200 operator. The status information on the component is shown in the DCW Status tab.

If no display is shown the current data must be queried. Click on Update module status to do this.



#### Note

The display is continuously updated when a cyclical DCW module query is switched on. Otherwise the component status at the time of the last query is shown.

Status displays of inputs and outputs:

Green: Input or output is active

Grey: Input or output is inactive

Number of DCW malfunctions:

Displays the number of telegrams not transmitted since module commissioning.

#### FM sensor test 1 (ES 200)

FM sensor 1 is a sensor test I/O function module with the address 88. The four inputs and outputs 2-4 have a fixed signal mapping, output 1 in block 3 can be parameterized.

Only one FM sensor test 1 module can be connected to an ES200 operator. The status information on the component is shown in the DCW Status tab.

If no display is shown the current data must be queried. Click on Update module status to do this.



#### Note

The display is continuously updated when a cyclical DCW module query is switched on. Otherwise the component status at the time of the last query is shown.

Status displays of inputs and outputs:

Green: Input or output is active

Grey: Input or output is inactive

Number of DCW malfunctions:

Displays the number of telegrams not transmitted since module commissioning.

#### FM status (ES 200)

The FM status is a DCW status I/O function module with address 48, whose four inputs have a fixed signal mapping. The first three outputs can be parameterized, the fourth output has a fixed doorbell contact function.

Only one DCW module of the FM status type can be connected to an ES 200 operator. The status information on the component is shown in the DCW Status tab.

If no display is shown the current data must be queried. Click on Update module status to do this.



#### Note

The display is continuously updated when a cyclical DCW module query is switched on. Otherwise the component status at the time of the last query is shown.

Status displays of inputs and outputs:

Green: Input or output is active

Grey: Input or output is inactive

Number of DCW malfunctions:

Displays the number of telegrams not transmitted since module commissioning.

#### FST module (ES 200)

The FST module is an escape route sliding door module with the address 2, whose four inputs and outputs have fixed signal mapping.

Only one FST module can be connected to an ES200 operator. Escape route sliding door (FST-2D)

The escape route sliding door has one basic control unit and an FST module. Each control unit has a separate microprocessor. They exchange data with one another cyclically.

If no display is shown the current data must be queried. Click on Update module status to do this.



#### Note

The display is continuously updated when a cyclical DCW module query is switched on. Otherwise the component status at the time of the last query is shown.

Status displays of inputs and outputs:

Green: Input or output is active.

Grey: Input or output is not active.

Status area:

Time of an FST run [ms]:

An FST test run checks whether the FST module with the FST drive complies with the standard during an OPEN run.

The door must reach 80% of the opening width within 3 s.

Time of an internal detector run [ms]:

An FST test run checks whether the GM module with a main drive complies with the standard during an OPEN run.

The door must reach 80% of the opening width within 3 s.

Battery voltage [V]:

Current value of the voltage in the battery.

Min. value of the FST battery voltage [V]:

Lowest voltage value that was measured.

#### I-15 module 1-4

The I-15 module 1-4 is an input module whose 15 inputs can be assigned a function.

Up to four modules of the I-15 type can be connected to a TMS Basic device.

If no display is shown the current data must be queried. Click on Update module status to do this.



#### Note

The display is continuously updated when a cyclical DCW module query is switched on. Otherwise the component status at the time of the last query is shown.

Status display of the inputs:

Green: Input is active

Grey: Input inactive

Number of DCW malfunctions:

Displays the number of telegrams not transmitted since module commissioning.

#### I/O module DCW 1-4

The "I/O module DCW 1-4" is a DCW input/output module. The four inputs and outputs can each be assigned a function.

Up to four input/output DCW modules can be connected to a TMS or SafeRoute device. If no display is

shown the current data must be queried. Click on Update module status to do this.



#### Note

The display is continuously updated when a cyclical DCW module query is switched on. Otherwise the component status at the time of the last query is shown.

Status displays of inputs and outputs:

Green: Input or output is active

Red: Tamper switch is triggered

Number of DCW malfunctions:

Displays the number of telegrams not transmitted since module commissioning.

I/O, ST (internal)

The I/O, ST Internal is an internal module on the TL-S TMS2 door control unit or SafeRoute-SCU-xx, whose inputs and outputs can be assigned a function. "Tamper switch" and "emergency button pressed" are permanently assigned.

If no display is shown the current data must be queried. Click on Update module status to do this.



#### Note

The display is continuously updated when a cyclical DCW module query is switched on. Otherwise the component status at the time of the last query is shown.

Status displays of inputs and outputs:

Green: Input or output is active

Red: Tamper switch is triggered

Number of DCW malfunctions:

Displays the number of telegrams not transmitted since module commissioning.

Mechanical Program switch (internal, ES 200, ED 100/250)

The "Mechanical program switch" is an internal module on the door control unit with address 1 whose input is permanently assigned a function.

Only one mechanical program switch can be connected to an ES/ED device. The status information on the component is shown in the DCW Status tab.

If no display is shown the current data must be queried. Click on Update module status to do this.



#### Note

The display is continuously updated when a cyclical DCW module query is switched on. Otherwise the component status at the time of the last query is shown.

Status display:

Shows the position of the mechanical key switch in green.

#### M-SVP-S DCW 1-2

The M-SVP-S DCW is a multi-locked SVP module on a M-SVP door control unit whose 10 inputs are permanently assigned a function.

The status information on the component is shown in the DCW Status tab.

If no display is shown the current data must be queried. Click on Update module status to do this.



#### Note

The display is continuously updated when a cyclical DCW module query is switched on. Otherwise the component status at the time of the last query is shown.

Status display of the inputs:

Green: Input is active

Grey: Input inactive

Red: Tamper contact is triggered

Number of DCW malfunctions:

Displays the number of telegrams not transmitted since module commissioning.

M-SVP, SVP-S4x status (internal)

The MSVP-S2x, SVP-S4x Status is an internal module whose inputs and outputs can be assigned a function.

"Tamper switch" is permanently assigned.

If no display is shown the current data must be queried. Click on Update module status to do this.



#### Note

The display is continuously updated when a cyclical DCW module query is switched on. Otherwise the component status at the time of the last query is shown.

Status displays of inputs and outputs:

Green: Input or output is active

Grey: Input or output is inactive

Red: Tamper switch is triggered

Number of DCW malfunctions:

Displays the number of telegrams not transmitted since module commissioning.

O-15 module 1–4

The O-15 module 1-4 is an output module whose 15 outputs can be assigned a function. Up to four modules of the O-15 type can be connected to a TMS Basic device.

If no display is shown the current data must be queried. Click on Update module status to do this.



#### Note

The display is continuously updated when a cyclical DCW module query is switched on. Otherwise the component status at the time of the last query is shown.

Status display of the outputs:

Green: Output is active

Grey: Output inactive

Number of DCW malfunctions:

Displays the number of telegrams not transmitted since module commissioning.

PGS-DCW 1–2 (ES 200, ED 100/250)

PGS DCW 1–2 is an ES 200 or ED xxx program switch DCW module with the address 92–94. The addresses 93-95 are reserved for ES 200 with FST module.

Up to two PGS-DCW 1-2 can be connected to an ES 200 device.

If no display is shown the current data must be queried. Click on Update module status to do this.



#### Note

The display is continuously updated when a cyclical DCW module query is switched on. Otherwise the component status at the time of the last query is shown.

Status displays of inputs and outputs:

Green: Input or output is active

Grey: Input or output is inactive

Number of DCW malfunctions:

Displays the number of telegrams not transmitted since module commissioning.

RS-DCW 1–4

The "RS DCW 1-4" is a smoke detector panel module whose 5 inputs are assigned fixed functions.

If no display is shown the current data must be queried. Click on Update module status to do this.



#### Note

The display is continuously updated when a cyclical DCW module query is switched on. Otherwise the component status at the time of the last query is shown.

Status displays of inputs and outputs:

Green: Input or output is active

Grey: Input or output is inactive

Number of DCW malfunctions:

Displays the number of telegrams not transmitted since module commissioning.

Operating hours:

Measurement of operating hours.

Reloading the firmware resets the cycle counter.

Time since last maintenance in weeks:

Measurement of whole weeks since last maintenance.



The value can be deleted via the smoke detector panel or in TMS Soft via the parameter Reset RS maintenance counter (E).

Degree of contamination:

Shows the current level of contamination from 1 (low) ... 10 (high).

Reset mode:

automatic:

The alarm will be canceled automatically once the smoke has cleared.

manual:

The alarm must be acknowledged on site via a button on the smoke detector panel.

Ceiling-mounted smoke detectors 1–4:

Four ceiling detectors can be connected to a smoke detector panel, and their fault status and degree of contamination (0 ... 2) may be displayed.

Degree of contamination:

Green: clean

Yellow: slightly dirty

Red: very dirty

#### ST3x DCW 1–4

ST3x DCW 1–4 is a key switch whose inputs can be parameterized. Up to four ST3x DCW can be connected to a door control unit.

If no display is shown the current data must be queried. Click on Update module status to do this.



#### Note

The display is continuously updated when a cyclical DCW module query is switched on. Otherwise the component status at the time of the last query is shown.

Status displays of inputs and outputs:

Green: Input or output is active

Grey: Input or output is inactive

Red: Tamper contact is triggered

Number of DCW malfunctions:

Displays the number of telegrams not transmitted since module commissioning.

#### STV-DCW 1–2 (ES 200)

STV-DCW 1–2 is a rod locking module

The status information on the component is shown in the DCW Status tab.

If no display is shown the current data must be queried. Click on Update module status to do this.



#### Note

The display is continuously updated when a cyclical DCW module query is switched on. Otherwise the component status at the time of the last query is shown.

Error:

Contains the current error status of the DCW rod locking unit. (LZ = vital signs)

error-free blocked runtime error sabotage drive power error runtime error system error PGS error relay error overcurrent error DCW-runtime\*

Locking device:

Contains the current status of the DCW rod locking unit: none

lock locked unlock unlocked error wait

Number of DCW malfunctions:

Displays the number of telegrams not transmitted since module commissioning.

Firmware version channel 1, 2:

Contains the current software version of the STV DCW of the first and second channels. The first channel of the STV communicates with the basic module, the second channel with the FST module.

#### SVP DCW 1–4

SVP DCW 1–4 is a drive locking control for a self-locking panic lock.

Three inputs and two outputs can be assigned a function.

If no display is shown the current data must be queried. Click on Update module status to do this.



---

**Note**

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The display is continuously updated when a cyclical DCW module query is switched on. Otherwise the component status at the time of the last query is shown.

Status displays of inputs and outputs:

Green: Input or output is active

Red: Tamper, anti-tamper contact, SVP cable interruption, malfunction, drive blocked is triggered.

Number of DCW malfunctions:

Displays the number of telegrams not transmitted since module commissioning.

SVP DCW 1–4 (under SVP-S4x)

The new generation SVP DCW 1-4 is a self-locking panic lock module on the SVP-S4x door control unit with address 72-73 whose new inputs are assigned a permanent function.

If no display is shown the current data must be queried. Click on Update module status to do this.



---

**Note**

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The display is continuously updated when a cyclical DCW module query is switched on. Otherwise the component status at the time of the last query is shown.

Status display for the inputs:

Green: Input is active

Grey: Input inactive

Red: Tamper, attempted forced entry, malfunction, drive blocked is triggered.

Number of DCW malfunctions:

Displays the number of telegrams not transmitted since module commissioning.

TL-S DCW (TMS)

The TL-S DCW module is an emergency button and key switch DCW module, whose inputs and outputs have a permanent signal mapping.

Up to four DCW modules of the TL-S type can be connected to a TMS device.

If no display is shown the current data must be queried. Click on Update module status to do this.

The display is continuously updated when a cyclical DCW module query is switched on. Otherwise the component status at the time of the last query is shown.

Status displays of inputs and outputs:

Green: Input or output is active.

Grey: Input or output is not active.

Red: Tamper switch is triggered.

Number of DCW malfunctions:

Displays the number of telegrams not transmitted since module commissioning.

## 4 Main tab – Communication

New doors are created or deleted on the main Communication tab and settings for connecting to the door control unit made.

The monitor function lists the telegrams and status for all available TMS-PC gateways. The following dialogs are available from the directory tree.

All TMS-PC gateways

Monitor

TMS-PC gateway (computer name)

LON gateway

LAN

Settings

The screenshot shows the 'Communication' tab in the TMS Soft interface. On the left is a directory tree under 'All TMS-PC GATEWAYS'. The tree includes 'Monitor', 'TMS-PC-Gateway (DENB0008443)' (expanded), 'USB/RS232 COM1', 'LON-Gateway LON6' (expanded), 'OpenLDV', 'LAN', 'Settings', and 'Monitor'. On the right, a table displays door data for 'Door number: 55'. The table has columns: 'Adr.', 'Symbol', 'Device type', and 'Door name'.

| Adr. | Symbol | Device type         | Door name              |
|------|--------|---------------------|------------------------|
| 1    |        | SCU-DR              | Training 1             |
| 2    |        | SCU-DR              | Training 2             |
| 3    |        | SCU-DR              | Training 3             |
| 4    |        | SCU-DR              | Training 4             |
| 5    |        | SCMC20              | SCMC20 3               |
| 9    |        | SCMC20              | SCMC20 1               |
| 13   |        | SCU-UP              | Sampledoor 1           |
| 14   |        | SCU-UP              | Sampledoor 2           |
| 17   |        | SCU-UP              | doublesided test       |
| 21   |        | I/O-Modul (LON/LAN) | I/O-Modul (LON/LAN) 21 |

### 4.1 TMS Soft system environment

In order for communication between TMS Soft and the database server as well as LAN communication between TMS Soft and TMS devices, SCU devices and ETS devices to function, all necessary ports must be configured in TMS Soft and the system environment.

| Port  | Communication  |
|-------|--|
| 3306  | MySQL database   |
| 3307  | MariaDB database (standard)  |
| 30718 | Programming of a LAN module  |
| 10001 | TMS port - LAN communication with TL-S TMS devices   |
| 10010 | SCU-Port - LAN communication with SCU-XX devices   |
| 10015 | PAS-port – LAN communication with ETS-XX devices<br>(Electronic door control separation systems) |



#### Note

If a firewall exists, the ports must also be released in the firewall.

### 4.2 All TMS PC GATEWAYS

This view shows an overview table of all available doors with their most important communications properties. The buttons are used to create and initialize new doors (as long as communication RS 232 is activated) or delete existing doors from the system.

Visualization

Communication

Parameter settings

User administration

Error / Log

History

Templates

All TMS-PC GATEWAYS

Monitor

TMS-PC-Gateway (DENB0008443)

USB-RS232 COM1

LON-Gateway LON6

OpenLDV

LAN

Settings

Monitor

Door number: 55

| Adr. | Symbol | Device type               | Door name              | Net-ID             | TMS-PC GATEWAY | CPU-UID     | License on device |
|------|--------|---------------------------|------------------------|--------------------|----------------|-------------|-------------------|
| 1    |        | SCU-DR                    | Training 1             | 00 D0 71 12 61 F4  | DENB0008443    | 00 01 01 99 | Premium           |
| 2    |        | SCU-DR                    | Training 2             | 00 D0 71 12 61 F4  | DENB0008443    | 00 01 01 99 | Premium           |
| 3    |        | SCU-DR                    | Training 3             | 00 D0 71 12 61 F4  | DENB0008443    | 00 01 01 99 | Premium           |
| 4    |        | SCU-DR                    | Training 4             | 00 D0 71 12 61 F4  | DENB0008443    | 00 01 01 99 | Premium           |
| 5    |        | SCMC20                    | SCMC20 3               | 00 D0 71 14 D3 ... | DENB0008443    | 00 00 07 EF |                   |
| 9    |        | SCMC20                    | SCMC20 1               | 00 D0 71 14 AF ... | DENB0008443    | 00 00 24 EB |                   |
| 13   |        | SCU-UP                    | Sampledoor 1           | 00 D0 71 14 D3 ... | DENB0008443    | 00 00 28 C8 | Premium           |
| 14   |        | SCU-UP                    | Sampledoor 2           | 00 D0 71 14 D3 ... | DENB0008443    | 00 00 28 C8 | Premium           |
| 17   |        | SCU-UP                    | doublesided test       | 00 D0 71 14 D1 ... | DENB0008443    | 00 01 07 F5 | Premium           |
| 21   |        | I/O-Modul (LON/LAN)       | I/O-Modul (LON/LAN) 21 | 00 D0 71 12 61 F9  | DENB0008443    |             |                   |
| 25   |        | SCU-DR                    | Subi Schleuse T1       | 00 D0 71 12 47 ... | DENB0008443    | 00 00 46 91 | Premium           |
| 26   |        | SCU-DR                    | Subi Schleuse T2       | 00 D0 71 12 47 ... | DENB0008443    | 00 00 46 91 | Premium           |
| 27   |        | SCU-DR                    | Subi Schleuse T3       | 00 D0 71 12 47 ... | DENB0008443    | 00 00 46 91 | Premium           |
| 28   |        | SCU-DR                    | Subi Schleuse T4       | 00 D0 71 12 47 ... | DENB0008443    | 00 00 46 91 | Premium           |
| 29   |        | SCU-UP                    | Subis Mustertür        | 00 D0 71 14 D9 ... | DENB0008443    | 00 00 07 AC | Premium           |
| 33   |        | I/O-Modul (LON/LAN)       | I/O-Modul (LON/LAN) 33 | 00 D0 71 12 28 ... | DENB0008443    |             |                   |
| 49   |        | TMS                       | TMS Tester li          | 04 15 4F BF 36 00  | DENB0008443    |             |                   |
| 57   |        | SCMC80                    | SCMC80 57              | 00 D0 71 12 27 13  | DENB0008443    |             |                   |
| 61   |        | TMS Basic                 | TMS Basic Tester re    | 00 D0 71 12 27 53  | DENB0008443    |             |                   |
| 69   |        | SCU-DR VDS                | door 1                 | 00 D0 71 14 D1 ... | DENB0008443    | 00 01 0D 00 | Premium           |
| 70   |        | SCU-DR VDS                | door 2                 | 00 D0 71 14 D1 ... | DENB0008443    | 00 01 0D 00 | Premium           |
| 85   |        | SVP-S4x                   | SVP - S 4x             | 04 A8 23 3D 02 ... | DENB0008443    |             |                   |
| 97   |        | SVP-S5x - SVA+SVI 2xxxx F | double leave door      | 00 D0 71 12 27 09  | DENB0008443    |             |                   |

Click on a column header to sort the table in ascending or descending order based on that column.

There are also various settings options available by selecting a door and then right-clicking on it.

Addr.:

Displays the TMS address of the door.

Every device receives a unique address, with which the device can be identified in the TMS system (addresses are automatically assigned by the system and cannot be changed).

Symbol:

Displays a symbol for the respective device type as an example.

Device type:

Shows the type of device.

The device type is automatically recognized after successful address assignment (initialization). You can right-click and change the device type when you have selected a device.



#### Note

When you connect to a device in TMS Soft, the software automatically detects the device type, in this case the device type cannot be changed.

If you have selected the wrong type when connecting to the device, the system draws your attention to this, as otherwise parameter settings could be lost.

If you are unsure of which device type you are using, check in this table.

Door name:

Shows the name of the door.

When you select a door and right-click on it, you can change the names under "Rename device(s)". In addition, pre-installed parameters are available, which are displayed if you hover over the label field.



#### Note

You can also mark several doors and rename them simultaneously.

Net ID

Displays the unique network address within the LON or LAN network with which the device can be identified in the network.

TMS-PC gateway:

Shows the computer name to which the LON/LAN gateway of the selected door control unit is connected.

CPU UID (SCU and SCU-DR):

Shows the unique address for SafeRoute devices.

License (SCU):

Displays the current license of the SCU device.

You can change the license by selecting the door with which you want to change the license with the left mouse button. Then right-click and select the License tab in the sub-menu.



#### Note

When you connect a device to TMS Soft, the software automatically detects the device type, in this case the device type cannot be changed. If you have selected the wrong license when connecting to the device, the system draws your attention to this, as otherwise parameter settings could be lost. If you are unsure of which license you are using, check in this table.

#### Application (SCU):

Displays the current application for the SCU device.

You can activate or deactivate applications, by selecting the door and right-clicking. In the sub-menu, under the "Applications" tab, you have different selection options available:



#### Note

TMS Soft automatically detects the available applications if an SCU device is connected.

#### Remove all:

Using this selection you can remove all previously set options.

#### Multi-door control:

Here you can select whether more doors should be connected to the central control unit Up to 4 doors can be connected to a central control unit.

#### Interlock:

You can activate or deactivate the interlock function using this selection

#### Time-delayed release:

You can activate or deactivate the time-delayed release using this selection.



#### Note

The time-delayed release can only be parameterized via the configuration software.

#### Logic:

You can activate or deactivate the Logic function using this function.



#### Note

Only with this application is it possible to parameterize logic functions. Logic functions are exclusively parameterized in the graphic view. The application can be deployed from the Standard license or higher.



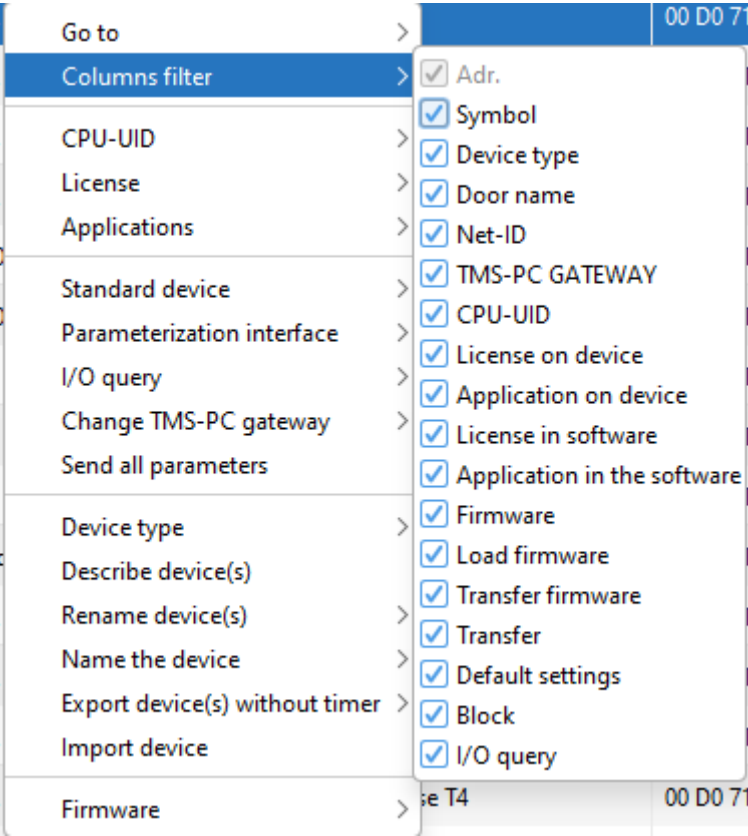
#### Note

When you connect to a device in TMS Soft, the software automatically detects the license and application, in this case the selection options cannot be changed.

If you have selected the wrong license or application when connecting to the device, the system will draw your attention to this, as parameter settings could otherwise be lost.

If you are unsure of which license or application you are using, check in this table.

Right-click the table to open the context menu and adjust the table content:



|   |            |   |
|---|------------|---|
| Go to   |            |   |
|   | Door name  | Search for the door name by entering part of the door name  |
|   | Address    | Search for addresses by entering part of the address  |
|   | Network ID | Search for the network ID by entering part of the IP or LON-ID  |
| Column filter   |            | Show or hide table columns in the "All TMS-PC gateways" view  |
| CPU UID   |            |   |
|   | Fetch      | <div>Communication via RS 232<ul style="list-style-type: none"><li>• for connecting SCU-xx and door for the first time, as long as there is no UID in the database</li><li>• for changing the stored UID into the new UID, if an SCU-xx is replaced*</li></ul></div> <div>Communication via LON or LAN<ul style="list-style-type: none"><li>• for changing the stored UID into the new UID, if an SCU-xx is replaced*</li></ul></div> |
| * Contact dormakaba if the parameters of a new SCU-xx deviate from standard values. |            |   |
|   | Delete     | <div>To delete UIDs if there are duplicate UIDs in place after importing an older database</div> <div>Note:<br/>Each UID may only appear in the database once. In multi-door applications, all doors of a central unit have the same UID.</div>   |
|   | Enter      | To manually add a UID in offline mode   |

|                            |  |  |
|----------------------------|--|--|
| License                    | <ul style="list-style-type: none"> <li>• Basic</li> <li>• Standard</li> <li>• Premium</li> </ul>   | To create new devices in offline mode  |
| Applications               | <ul style="list-style-type: none"> <li>• Multi-door control</li> <li>• Interlock</li> <li>• Time-delayed release</li> <li>• Logic</li> </ul> | <p>Note:</p> <p>The license information of a device is detected automatically during the online connection. Deviations between the offline setup and online operation can lead to parameters being lost.</p>   |
| Standard device            |  |  |
|                            | Delete marking as standard device  | The selected definition will be deleted. New doors of the same type of device are created with dormakaba standard values.  |
|                            | Mark device(s) as standard device  | <p>When a new door is created, all parameters of a door that has already been created and defined as a standard device are adopted. The prerequisite for this is that the device type, license and multi-door type are identical.</p> <p>Note:</p> <p>It should be noted that a SCU-XX can be a one,- two,- three,- or four-door control unit due to its multi-door design. If a device functions as a four-door control unit, for example, standard values are not adopted when it is created. To load the standard values, switch to the Parameter settings tab and click the "Default values" button.</p> |
| Parameterization interface |  |  |
|                            |  | <p>Note:</p> <p>Locking and unlocking takes place with a stored default password. The password for releasing or blocking the interface can be changed in the menu "Parameterization &gt; Service &gt; Programming Interface".</p>  |
|                            | Lock device interface  | It is not possible to send and receive parameterization data. Only status and control information is sent and received via the gateway for visualization.  |
|                            | Open device interface  | It is possible to send and receive parameterization data. Information is also sent and received via the gateway for visualization.   |
| I/O query                  | <ul style="list-style-type: none"> <li>• Switch on I/O query</li> <li>• Switch off I/O query</li> </ul>                                      | <p>To provide status messages for connected DCW I/O and internal I/Os as data points for building management systems</p> <p>Note:</p> <p>Keep the bus load in the LON or LAN low by switching off the function if an evaluation for building management systems is not required.</p> <p>The polling rate is set in the "Communication &gt; LON or LAN &gt; Telegrams &gt; Next I/O status query after T1 (seconds)" menu.</p>  |
| Change TMS-PC gateway      |  | <p>To import a database from another computer</p> <p>Note:</p> <p>Following an import, the separate gateway and the gateway of the data source appear in the communication tree. All devices are located in the gateway of the export. In the "Change TMS-PC gateway" field, enter your own PC name in order to place nodes in the LON or LAN on the separate gateway. Please note upper and lower case letters.</p>   |
|                            | Enter in the "<PAUSE>" field   | Shut down a device   |

|   |  |  |
|---|--|--|
| Send all parameters                     | To transfer all parameters; applies to all devices   |  |
| Device type                             | To manually change a device type   |  |
|   | <p>Note:</p> <p>The device type is automatically updated as soon as a device has received an address assignment for the first time. The error will be automatically corrected if an incorrect device type has accidentally been selected.</p>  |  |
| Describe device(s)                      | To enter descriptive text  |  |
| Rename device                           | To change the name that is automatically assigned by the software when a new device is created   |  |
| Name device(s)                          | <ul style="list-style-type: none"> <li>• Name several devices at the same time</li> <li>• Variables are in square brackets</li> </ul> <p>Example:</p> <p>Designation of 3 devices as Door 1 ... Door 3</p> <p>Select the relevant doors in the table.</p> <p>Right-click the marking and enter "door &lt;COUNTER&gt;".</p> <p>The doors are thus automatically given the names "door 1", "door 2", "door 3".</p> |  |
| Export device(s)<br>without time switch | <p>To export parameters from any device that simplifies recurring parameterization via the "Import device" function</p> <p>Note:</p> <p>The "Import device" and "Standard values" functions are similar with the difference being that each type of device is defined as the standard value once. "Export device" will create any number of default values of the same device type.</p>                          |  |
| Import device                           | <p>To import data of the same device type</p> <p>Note:</p> <p>For all devices, only door data with the same license and the multi-door application can be imported with the same door number.</p>  |  |
| Firmware                                | <ul style="list-style-type: none"> <li>• Load firmware</li> <li>• Cancel transfer</li> <li>• Flash firmware</li> <li>• Continue transfer</li> </ul>  | <p>Displays the firmware version of the door control unit and controls the firmware updates</p> <p>Note:</p> <p>The TMS Soft functions are limited depending on the firmware version of the devices.</p> |

#### Procedure for a firmware update:

A firmware update consists of a file with a \*.TFU ending. This file will be saved in the "C:\User\<Username>\Documents" folder.

Select the Communication and the Door(s) tab (in blue) and right-click on them. Now, under the firmware tab, there are three selection options available to you.

#### Load firmware:

The data are loaded into the device's cache via TMS Soft. If the cache has been used, TMS Soft will ask whether this should be deleted. The cache will also be deleted if the network connection is interrupted.

Attention: While the cache is being reset via TMS Soft, the door can be unlocked.

#### Cancel firmware loading:

Cancels the loading process in the cache.

#### Flash firmware:

If the data are successfully loaded in the cache, this is displayed in TMS Soft. Flash programming



must be commissioned via TMS Soft. A popup window with the message "Please back up data" appears simultaneously. The corresponding LED display will be activated on the door concerned.

#### Start Flash programming:

Turn the key switch with the alarm acknowledgment function on the door to the right and hold for at least 15 s.  
 LEDs 1 and 8 flash alternately in magenta  
 Press the emergency button.  
 Turn the key to the neutral position  
 Release the emergency button  
 Press the emergency button once again for 3 s  
 Now flash programming starts All STVs remain unlocked.  
 When the flash programming is complete the LED displays 1 and 2 in the initialization view change. Then it depends on whether the memory structure in EEPROM is unchanged or restructured. The firmware starts automatically with the existing configuration and parameterization if the EEPROM is unchanged.  
 If there is a change to the EEPROM structure it may happen that the LED display changes into rainbow mode. In this case the door must be configured and parameterized again. The cache is empty after the flash programming.

#### Cancel transfer:

A transfer can hereby be canceled.

#### Continue transfer:

Works only from TMS Soft version 4.5.044 and only if a firmware transfer has already started from this version.  
 The firmware transfer can be resumed after the user cancels the firmware transfer or after TMS Soft is restarted.

#### Read firmware version:

The current firmware version can be read here.

#### Transfer firmware:

Displays the firmware uploading sequence in the cache.

#### Transfer:

Indicates whether the settings or changes have already been transferred to the door.

#### Standard values:

A door control unit can be defined as standard with its values and parameters.  
 Select the door and right-click on it.  
 On the "Standard device" tab you can mark the selected device as standard. All parameters of this door control unit will now be defined as standard values and can be loaded into the parameterization (copied to a door control unit).  
 If you want to reset the values to the dormakaba standard settings, go to Delete marking as standard.

#### Block:

Displays the status of the interface for parameterization/programming of a door/device.  
 The first time a door/device is created, it first indicates whether the functionality is actually available.  
 If the status is "inactive", then this functionality does not exist.  
 However, the "usable" status indicates that the functionality does exist, but it is still unclear whether the interface is locked or open.  
 The exact status of a connected door/connected device cannot be read out.  
 If you have selected a door/device, you can then right-click, and in the sub-menu under Parameterization interface you can lock or open the device interface.  
 If the interface is locked, the following will apply to the SCU: The loading of parameter data is not possible, the transfer of parameters to the door is not possible (except for date and time).

#### Automatic doors except for ETS:

The loading of parameter data is possible, the transfer of parameters to the door is not possible (except for date and time).

#### M-SVP, SVP-S4x:

The loading of parameter data is possible, the transfer of parameters to the door is not possible (except for date and time).

TMS, TMS (access control), TMS Compact/Comfort, TMS Compact/Comfort (access control) → all from firmware version 4.3:

The loading of parameter data is possible, the transfer of parameters to the door is not possible (except for date and time).

Status data are still received in the visualization.

#### I/O query (relevant only when using TMS OPC server):

If the checkbox is activated (default), the automatic I/O module query for the device is switched on.

For the query to work, a query interval "Next I/O DCW status query after T1 [s]" must still be set for the corresponding interface.

If the I/O DCW status query is to be deactivated for the device, select the row(s) and select the

"Deactivate I/O query" option in the context menu (right-click).

To activate or deactivate the I/O query, right-click on the device and select the I/O query tab.

New door button:

A popup dialog opens for selecting a device type and number.

Delete door button:

Deletes one or more marked doors from the TMS Soft database.

Alternatively, you can mark the door to be deleted and press Remove on the keypad.

New door addr. button:

Starts the initialization of the marked door(s).



#### Note

After replacing a control board on a door control unit the address and, if necessary, the parameterization must be transferred again

## 4.3 Monitor

The monitor periodically lists telegrams for the connections to the door control units.

The monitor can be opened as a separate window and so is also visible during parameterization.

Visualization Communication Parameter settings User administration Error / Log History Templates

All TMS-PC GATEWAYS

- Monitor
- TMS-PC-Gateway (DENB0008443)
  - USB/RS232 COM1
  - LON-Gateway LON6
    - OpenLDV
  - LAN
  - Settings
  - Monitor

Monitor rows: 9999 Maximum storage

|    |            |              |           |    |    |    |    |    |          |                   |
|----|------------|--------------|-----------|----|----|----|----|----|----------|-------------------|
| -> | 13.05.2025 | 14:49:02.433 | Von:00249 | 00 | D0 | 71 | 20 | 2B | C9:00001 | Tlg:Status        |
| <- | 13.05.2025 | 14:49:02.435 | An :00249 | 00 | D0 | 71 | 20 | 2B | C9:00001 | Tlg:ACK           |
| -> | 13.05.2025 | 14:49:02.556 | Von:00250 | 00 | D0 | 71 | 20 | 2B | C9:00001 | Tlg:Status        |
| <- | 13.05.2025 | 14:49:02.557 | An :00250 | 00 | D0 | 71 | 20 | 2B | C9:00001 | Tlg:ACK           |
| -> | 13.05.2025 | 14:49:02.594 | Von:00213 | 00 | D0 | 71 | 12 | 28 | EB:00001 | Tlg:Status        |
| <- | 13.05.2025 | 14:49:02.594 | An :00213 | 00 | D0 | 71 | 12 | 28 | EB:00001 | Tlg:ACK           |
| -> | 13.05.2025 | 14:49:02.605 | Von:00265 | 00 | D0 | 71 | 14 | D3 | 5B:00001 | Tlg:Status        |
| <- | 13.05.2025 | 14:49:02.606 | An :00265 | 00 | D0 | 71 | 14 | D3 | 5B:00001 | Tlg:ACK           |
| -> | 13.05.2025 | 14:49:02.959 | Von:00001 | 00 | D0 | 71 | 12 | 61 | F4:00001 | Tlg:Betriebsdaten |
| <- | 13.05.2025 | 14:49:02.961 | An :00001 | 00 | D0 | 71 | 12 | 61 | F4:00001 | Tlg:ACK           |
| -> | 13.05.2025 | 14:49:03.022 | Von:00002 | 00 | D0 | 71 | 12 | 61 | F4:00001 | Tlg:Betriebsdaten |
| <- | 13.05.2025 | 14:49:03.023 | An :00002 | 00 | D0 | 71 | 12 | 61 | F4:00001 | Tlg:ACK           |
| -> | 13.05.2025 | 14:49:03.026 | Von:00003 | 00 | D0 | 71 | 12 | 61 | F4:00001 | Tlg:Status DCW    |
| <- | 13.05.2025 | 14:49:03.027 | An :00003 | 00 | D0 | 71 | 12 | 61 | F4:00001 | Tlg:ACK           |
| -> | 13.05.2025 | 14:49:03.085 | Von:00004 | 00 | D0 | 71 | 12 | 61 | F4:00001 | Tlg:Status DCW    |
| <- | 13.05.2025 | 14:49:03.086 | An :00004 | 00 | D0 | 71 | 12 | 61 | F4:00001 | Tlg:ACK           |
| -> | 13.05.2025 | 14:49:03.122 | Von:00029 | 00 | D0 | 71 | 14 | D9 | B7:00001 | Tlg:Status DCW    |
| <- | 13.05.2025 | 14:49:03.123 | An :00029 | 00 | D0 | 71 | 14 | D9 | B7:00001 | Tlg:ACK           |
| -> | 13.05.2025 | 14:49:03.163 | Von:00017 | 00 | D0 | 71 | 14 | D1 | A0:00002 | Tlg:Status DCW    |
| <- | 13.05.2025 | 14:49:03.164 | An :00017 | 00 | D0 | 71 | 14 | D1 | A0:00002 | Tlg:ACK           |
| -> | 13.05.2025 | 14:49:03.607 | Von:00070 | 00 | D0 | 71 | 14 | D1 | A0:00001 | Tlg:Status DCW    |
| <- | 13.05.2025 | 14:49:03.609 | An :00070 | 00 | D0 | 71 | 14 | D1 | A0:00001 | Tlg:ACK           |
| -> | 13.05.2025 | 14:49:03.646 | Von:00101 | 00 | D0 | 71 | 14 | D2 | DC:00001 | Tlg:Status DCW    |
| <- | 13.05.2025 | 14:49:03.647 | An :00101 | 00 | D0 | 71 | 14 | D2 | DC:00001 | Tlg:ACK           |
| -> | 13.05.2025 | 14:49:03.673 | Von:00205 | 00 | D0 | 71 | 14 | A6 | 4E:00001 | Tlg:ACK           |
| -> | 13.05.2025 | 14:49:03.674 | Von:00201 | 00 | D0 | 71 | 14 | A6 | 25:00001 | Tlg:ACK           |
| -> | 13.05.2025 | 14:49:03.683 | Von:00001 | 00 | D0 | 71 | 12 | 61 | F4:00001 | Tlg:Betriebsdaten |
| <- | 13.05.2025 | 14:49:03.684 | An :00001 | 00 | D0 | 71 | 12 | 61 | F4:00001 | Tlg:ACK           |
| -> | 13.05.2025 | 14:49:03.734 | Von:00002 | 00 | D0 | 71 | 12 | 61 | F4:00001 | Tlg:Konfiguration |
| <- | 13.05.2025 | 14:49:03.735 | An :00002 | 00 | D0 | 71 | 12 | 61 | F4:00001 | Tlg:ACK           |
| -> | 13.05.2025 | 14:49:03.779 | Von:00029 | 00 | D0 | 71 | 14 | D9 | B7:00001 | Tlg:Betriebsdaten |
| <- | 13.05.2025 | 14:49:03.780 | An :00029 | 00 | D0 | 71 | 14 | D9 | B7:00001 | Tlg:ACK           |
| -> | 13.05.2025 | 14:49:03.831 | Von:00249 | 00 | D0 | 71 | 20 | 2B | C9:00001 | Tlg:Status DCW    |
| <- | 13.05.2025 | 14:49:03.832 | An :00249 | 00 | D0 | 71 | 20 | 2B | C9:00001 | Tlg:ACK           |
| -> | 13.05.2025 | 14:49:03.877 | Von:00213 | 00 | D0 | 71 | 12 | 28 | EB:00001 | Tlg:Status DCW    |
| <- | 13.05.2025 | 14:49:03.877 | An :00213 | 00 | D0 | 71 | 12 | 28 | EB:00001 | Tlg:ACK           |
| -> | 13.05.2025 | 14:49:03.920 | Von:00209 | 00 | D0 | 71 | 14 | D1 | 83:00001 | Tlg:ACK           |
| -> | 13.05.2025 | 14:49:03.928 | Von:00250 | 00 | D0 | 71 | 20 | 2B | C9:00001 | Tlg:Status DCW    |
| <- | 13.05.2025 | 14:49:03.929 | An :00250 | 00 | D0 | 71 | 20 | 2B | C9:00001 | Tlg:ACK           |
| -> | 13.05.2025 | 14:49:03.968 | Von:00257 | 00 | D0 | 71 | 12 | 61 | F0:00001 | Tlg:Status DCW    |
| <- | 13.05.2025 | 14:49:03.969 | An :00257 | 00 | D0 | 71 | 12 | 61 | F0:00001 | Tlg:ACK           |

Stop As window Delete

Start/Stop button:

Starts or stops the telegram query.

As window button:

Undocks the monitor as a separate, freely movable window.

To redock a floating monitor window, click on the Close button, top right in the window's title bar.

Delete button:

Deletes the contents of the monitor.

>> button:

Opens the "Settings" dialog window.

Here the settings for the storage space for the monitor and histories can be changed.

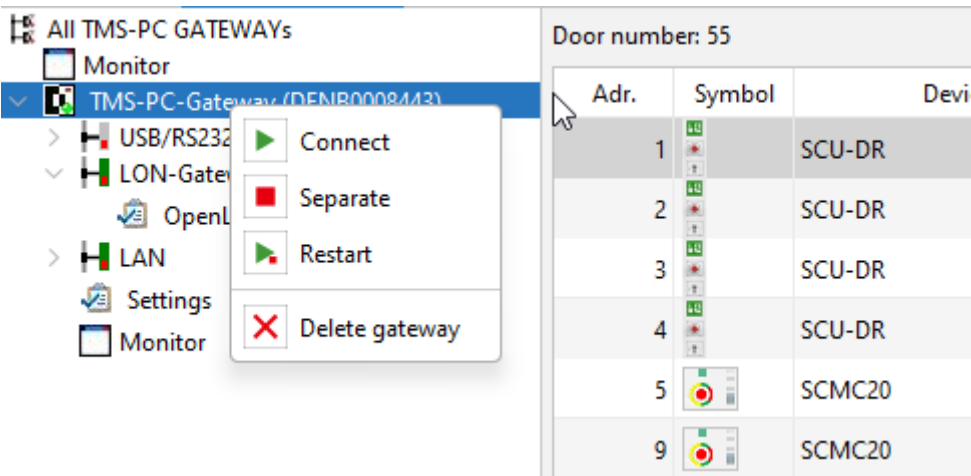
4.4 TMS PC gateway (computer name)

This view shows an overview table form of all doors that are connected to the TMS PC gateway, along with their most important properties.

TMS Soft is capable of managing multiple TMS PC gateways.

In this case every TMS-PC gateway is displayed separately in the directory tree.

An existing connection is shown by green marking, a disconnection by red marking.



Context menu in the directory tree:

Mark an entry in the directory tree and right-click to open the context menu.

Separate:

- Stops (ends) the TMS-PC gateway service.
- Communication with the door control units connected to the TMS PC gateway will be disconnected.



Note

When a TMS-PC gateway is disconnected, a door can be freely parameterized. All possible DCW nodes are displayed and the firmware is read as 0.0.000.

Connect:

- Starts the TMS-PC gateway service.
- Communication with the door control units connected to the TMS-PC gateway is restored.

Restart:

- Restarts the TMS-PC gateway service.
- Communication with the door control units connected to the TMS-PC gateway is disconnected and then automatically restored.

Delete:

- Removes a TMS PC gateway displayed in the database.
- For example, this may be necessary after a database import from another computer or after the computer name has been changed.



Note

After importing a database from another computer or after changing the computer name, mapping of the door control units must be updated.

To do this, right-click on the table, select the **Change TMS PC gateway** item from the context menu and enter the name of the computer on which the TMS PC gateway software is installed.

The gateway-specific assignments are made via the sub-items.

## 4.5 LON gateway, LDV

Use the LON gateway, ILS and LDV nodes in the main Communication tab to edit the connection data for all LON-networked devices.

The table in the right side of the window shows an overview of all doors that have been read in via LON. LON IDs are edited and new LON-networked doors assigned using the buttons at the bottom of the window.

Visualization

Communication

Parameter settings

User administration

Error / Log

History

Templates

All TMS-PC GATEWAYS

Monitor

TMS-PC-Gateway (DENB0008443)

USB/RS232 COM1

LON-Gateway LON6

OpenLDV

LAN

Settings

Monitor

Door number: 46

| TMS address / | Door name              | Net address             |
|---------------|------------------------|-------------------------|
| 1             | Training 1             | 00 D0 71 12 61 F4: COM1 |
| 5             | SCMC20 3               | 00 D0 71 14 D3 63: COM1 |
| 9             | SCMC20 1               | 00 D0 71 14 AF B0: COM1 |
| 13            | Sampledoor 1           | 00 D0 71 14 D3 90: COM1 |
| 17            | doublesided test       | 00 D0 71 14 D1 A0: COM2 |
| 21            | I/O-Modul (LON/LAN) 21 | 00 D0 71 12 61 F9: COM1 |
| 25            | Subi Schleuse T1       | 00 D0 71 12 47 9C: COM1 |
| 29            | Subis Mustertür        | 00 D0 71 14 D9 B7: COM1 |
| 33            | I/O-Modul (LON/LAN) 33 | 00 D0 71 12 28 DB: COM1 |
| 37            | ETS                    | 00 D0 71 12 61 F4: COM2 |
| 49            | TMS Tester li          | 04 15 4F BF 36 00: COM1 |
| 57            | SCMC80 57              | 00 D0 71 12 27 13: COM1 |
| 61            | TMS Basic Tester re    | 00 D0 71 12 27 53: COM1 |
| 69            | door 1                 | 00 D0 71 14 D1 A0: COM1 |
| 85            | SVP - S 4x             | 04 A8 23 3D 02 00: COM1 |
| 97            | double leave door      | 00 D0 71 12 27 09: COM1 |
| 101           | PI 3 3. door           | 00 D0 71 14 D2 DC: COM1 |
| 109           | Main entrance          | 00 D0 71 14 B6 DD: COM1 |

Click on a column header to sort the table in ascending or descending order based on that column. Slide a column header to the left or right using the mouse to change the arrangement of the columns.

TMS address:

Displays the unique TMS address of the door.

Door name:

Shows the name of the door.

Net address:

Contains the LON ID of the device.

Master computer ID:

Contains the LON ID of the LON adapter connected to the computer.



### Note

If a LON adapter has been changed, this will be shown by a red label.

To ensure error-free communication all red-marked LON modules must be updated.

Select the red-labeled LON modules in the table and click on Update LON ID.

Find LON ID button:

Starts searching for service IDs



### Note

To enter the LON modules automatically, start the LON ID search and press on the service button for all modules one after the other to send the separate LON ID.

Insert LON ID button:

Opens a popup dialog in which you can enter the LON ID of a device to manually add a LON-networked door.

Assign device button:

Implements the assignment of a door control unit to a LON module.

The door control unit receives a TMS address and the LON module sends the central LON ID.

The corresponding values are recorded in the table.

TMS Soft can only communicate with the door control unit after assignment.

Remove device button:

Deletes the assignment of a door control unit to a LON module.

The corresponding values are deleted in the table and TMS Soft can no longer communicate with the door control unit.

Update LON ID button:

Performs an update of the marked LON module.

The door control unit receives a TMS address and the LON module sends the central LON ID so that the LON module recognizes the central LON module and can send telegrams to it.



#### Note

Unfortunately, the occurrence of CRC errors (checksum errors) can never be completely ruled out in LON networks, as these can also be random (e.g. due to collisions during high data traffic or random interference), even with careful cabling.

However, this does not have any impact on the TMS Soft database. If the integrity of the TMS Soft database is no longer guaranteed, it will therefore be sufficient to restore the database from a corresponding backup.

To prevent a loss of database integrity in the first place, the database should also be maintained and cleaned by a database specialist during the annual maintenance of the escape route security systems. Tools such as MySQL Front, which was also supplied with our TMS Soft, are available for this purpose.

#### Other functions in the table area

The screenshot shows the TMS Soft interface with a table of door control units. A context menu is open over the table, displaying various LON-specific functions. The table has columns: TMS address, Door name, Net address, Master computer ID, and LON application. The context menu includes options like 'Assign device', 'Create and assign TMS device', 'Create and assign SCU device', 'Remove assignment', 'Update LON-ID', 'Remove LON module', 'LON service', 'Set domain', 'Set heartbeat', 'Delete heartbeat', 'Switch on the LED on the LON module briefly (wink)', 'Set online', 'Get LON version', 'Get M0 version', and 'Get status'.

If you are logged in as an administrator, right-clicking a row in table view will open up a series of LON-specific functions.

Assign device, create and assign TMS device or create and assign SCU device

Assign device:

Opens a dialog for selecting the device to be assigned to the LON ID.

Create and assign TMS device:

Adds a new TMS device with the corresponding device type and automatically assigns it to the LON ID.

Create and assign SCU device:

Adds a new SCU device with the corresponding device type and automatically assigns it to the LON ID.

Remove assignment:

Deletes the assignment of a device to a selected LAN module. The corresponding values are deleted from the table and TMS Soft can no longer communicate with the door control unit.

Update LON ID:

Performs an update of the marked LON module.

The door control unit receives a TMS address and the LON module sends the central LON ID so that the LON module recognizes the central LON module and can send telegrams to it.

Delete LON ID:

Deletes the selected LON ID from the database.

#### 4.5.1.1 LON service

Set domain:

dormakaba LON modules are delivered with "FF" as the domain ID.

Network management tools (e.g. IzoT) can be used to change the domain ID, which may lead to modules in the network no longer being able to communicate with each other.

The "Set domain" command has been introduced to allow incorrect domain IDs to be corrected.

#### Set heartbeat:

Adds the heartbeat to the selected component.

Door systems equipped with central release (SCMC 20) and also the "lock local emergency button" (SCMC 30) and/or "emergency open delay T2" (SCMC 40) functions require communication monitoring between the central panel and the local system (heartbeat). The heartbeat can be assigned either with a network management tool or directly with the TMS software.

#### Note:

Due to system constraints, TMS Soft can manage a maximum of four SCMC 20s (with different addresses) each with 64 SCU-xx devices in the overall network.

If more than four SCMC 20s are to be operated in the network, the heartbeat must be set up using a network management tool.

#### Heartbeat assignment via TMS Soft:

All SCU-xx devices and all SCMC 20s to which a heartbeat is to be assigned must always be marked.

Door number: 46

| TMS address / | Door name           | Net address             | Master computer ID | LON application |
|---------------|---------------------|-------------------------|--------------------|-----------------|
| 1             | Training 1          | 00 D0 71 12 61 F4: COM1 | 00 D0 71 24 B6 F1  | 1.3.000         |
| 5             | SCMC20 3            | 00 D0 71 12 61 F4: COM1 | 00 D0 71 24 B6 F1  |                 |
| 9             | SCMC20 1            | 00 D0 71 12 61 F4: COM1 | 00 D0 71 24 B6 F1  | 85r2□@          |
| 13            | Sampledoor 1        | 00 D0 71 12 61 F4: COM1 | 00 D0 71 24 B6 F1  |                 |
| 17            | doublesided t       | 00 D0 71 12 61 F4: COM2 | 00 D0 71 24 B6 F1  |                 |
| 21            | I/O-Modul (L        | 00 D0 71 12 61 F4: COM1 | 00 D0 71 24 B6 F1  | 1.3.000         |
| 25            | Subi Schleuse       | 00 D0 71 12 61 F4: COM1 | 04 99 C4 D6 02 00  |                 |
| 29            | Subis Mustert       |                         |                    |                 |
| 33            | I/O-Modul (L        |                         |                    |                 |
| 37            | ETS                 | 00 D0 71 12 61 F4: COM1 |                    |                 |
| 49            | TMS Tester li       | 04 15 4F BF 36 00: COM1 |                    |                 |
| 57            | SCMC80 57           | 00 D0 71 12 27 13: COM1 |                    |                 |
| 61            | TMS Basic Tester re | 00 D0 71 12 27 53: COM1 |                    |                 |
| 69            | door 1              | 00 D0 71 14 D1 A0: COM1 |                    |                 |
| 85            | SVP - S 4x          | 04 A8 23 3D 02 00: COM1 |                    |                 |
| 97            | double leave door   | 00 D0 71 12 27 09: COM1 |                    |                 |

To check the assignment, the assigned SCMC 20s will appear in the visualization below the SafeRoute device.

- SCMC20 1
  - SCMC internal
  - SCMC30 1
  - SCMC40 1
  - SCMC80:1
    - door 1
      - Internal I/O
      - STV DCW 1
      - SCMC20 1
      - SCU emergency push button 1
      - I/O module DCW 1
      - SVP DCW 1
      - Logic 1
    - door 2
      - Internal I/O
      - STV DCW 2
      - SCMC20 1
      - SCU emergency push button 2
      - Logic 2
    - doublesided test
      - SCU emergency push button
      - ST55 DCW 1
      - I/O module DCW 1
      - SVP DCW 1
      - Logic 1
      - STV DCW 1
      - SCMC20 1
      - SCU emergency push button 1
    - Training 1
      - Internal I/O
      - ST55 DCW 1
      - I/O module DCW 1
      - STV DCW 1
      - SCU emergency push button 1
    - Training 2
      - Internal I/O
      - STV DCW 2
      - SCU emergency push button 2
    - Training 3
      - Internal I/O
      - STV DCW 2
      - SCU emergency push button 2

Status

SCMC20 UID 000024EB

Error emergency shutdown circuit / Alarm system

Central release

Acknowledgement

Access denied

**Fast failure detection telegram (nvHeartbeat OpenLns)**

Multiple SCMCs (different UID) on the same SCMC address

Update Last updated: 2025-05-13 14:54:28

If "Fast failure detection telegram" is highlighted in green, heartbeat assignment was successful.

**Delete heartbeat:**

Removes the heartbeat from the selected component.  
SCMC 30 and SCMC 40 functions will no longer be possible.

**Switch on the LED on the LON module briefly (wink):**

Enables a LON module on site to be identified by briefly switching on the service LED.

**Set online:**

LON nodes can be switched offline using network management tools (e.g. IzoT). The service LED will flash and communication with TMS Soft will no longer be possible in this state.  
The "Set online" command enables communication with TMS Soft.

**Get LON version:**

This is a service function that can be used to display the current version of the LON application in the SLON module.

**Get M0 version:**

This is a service function that allows you to display the current version of the processor firmware in the SLON module.

**Get status:**

Checks whether the LON module is active. If detection is positive, a green indicator will be switched on

## 4.5.2 LAN

Use the LAN node in the Communication main tab to edit the connection data for all LAN-networked devices. The table in the right side of the window shows an overview of all doors that have been read in via LAN. LAN IDs are edited and new LAN-networked doors assigned using the buttons at the bottom of the window.

| TMS address | Door name            | MAC address       | DHCP | IP address   | Subnet        | Gateway | Master compute... | TMS port | Identification |
|-------------|----------------------|-------------------|------|--------------|---------------|---------|-------------------|----------|----------------|
| 61          | TMS Basic Tester ... | 00-80-A3-C1-3D-CB | Off  | 10.144.1.201 | 255.255.255.0 | 0.0.0.0 | 10.144.1.221      | 10001    | DORMA          |
|             |                      | 00-80-A3-E1-2D-0D | Off  | 10.144.1.200 | 255.255.255.0 | 0.0.0.0 | 10.144.1.155      | 10001    | DORMA          |

**dormakaba modules only check box:**

Filters the table so that only dormakaba LAN modules are displayed.

**Table:**

Click on a column header to sort the table in ascending or descending order based on that column. Slide a column header to the left or right using the mouse to change the arrangement of the columns.



## TMS address:

Contains the unique TMS address of the door.  
Missing addresses are identified with red marking.

## Door name:

Contains the name of the door.

## MAC address:

Contains the MAC address of the LAN adapter

## DHCP:

Indicates whether the IP address of the LAN adapter is obtained from a DHCP server.

## IP address:

Contains the IP address of the LAN adapter.

## Subnet:

Contains the subnet mask of the interface

## Gateway:

Contains the IP address of the network gateway via which the device communicates with other subnets.

## Master computer IP:

Contains the IP address of the master computer on which the corresponding TMS-PC gateway software is running.



## Note

Red marking indicates a different IP address.  
Click on **Update LAN module** to set the correct IP address.

## UDP port:

Contains the UDP port via which the communication with the LAN terminal is running.



## Note

Red marking indicates a different port.  
Click on **Update LAN module** to set the correct UDP port.

## Identifier:

Contains an identifier as to whether the device is a dormakaba LAN module or not.



## Note

dormakaba uses the standard LAN adapter XPORT (Lantronix).  
After a LAN module search all XPORT adapters available in the network log on.  
The dormakaba identifier enables correct identification.

## Find LAN modules button:

Searches all the available doors in the LAN and enters them in the table.

## Insert LAN module button:

To enter the MAC and IP address of a device if you want to add a LAN-networked door manually.

## Assign IP button:

To assign network parameters, gateway and master computer IP address.  
Only activate the Obtain IP address automatically (DHCP, AUTO-IP) check box, if a DHCP server is available in the network and a network node always receives the same IP.

## Assign device button:

Implements the assignment of a door control unit to a marked LAN module.  
The door control unit is assigned a TMS address. The corresponding values are recorded in the table. TMS Soft can only communicate with the door control unit after assignment.

## Remove device button:

Deletes the assignment of a door control unit to a marked LAN module.  
The corresponding values are deleted from the table and TMS Soft can no longer communicate with the door control unit.

## Update LAN module button:

Transmits changed communication data to the marked LAN modules.  
This is always necessary if changes to the master computer IP, UDP port or AES encryption have been made.

### 4.5.3 Settings

Use the Settings node to specify the interface-specific settings for communication with the door control unit. To do this click on "Settings" to select the different options for communication.

Activate RS232 adapter

(all other interfaces will be deactivated):

The TMS-PC gateway communicates with the devices via the serial RS232 interface (direct connection without networking; Windows XP and higher).

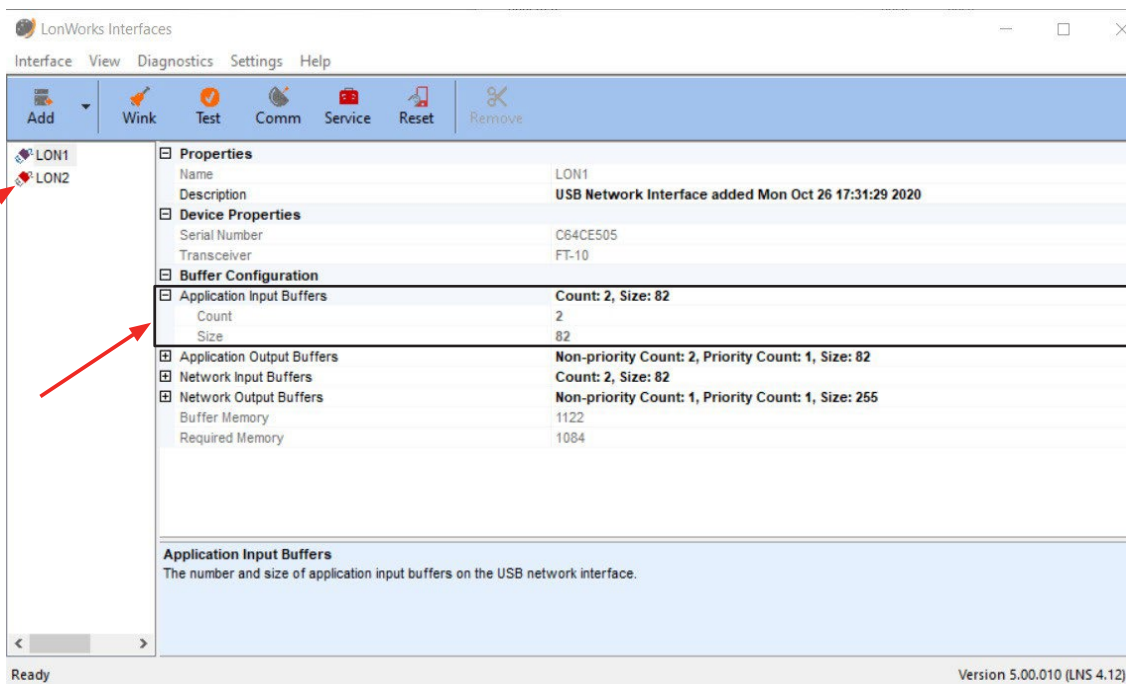
Activate LON:

OpenLDV:

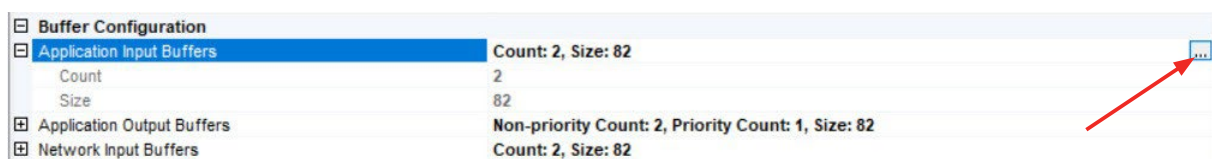
Software interface for USB adapter

Settings in LonWorks interface

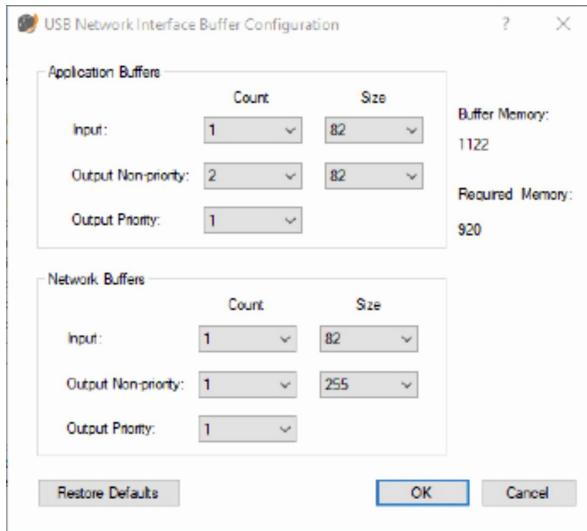
Settings must be made in the Control Panel > LonWorks Interfaces for trouble-free operation.



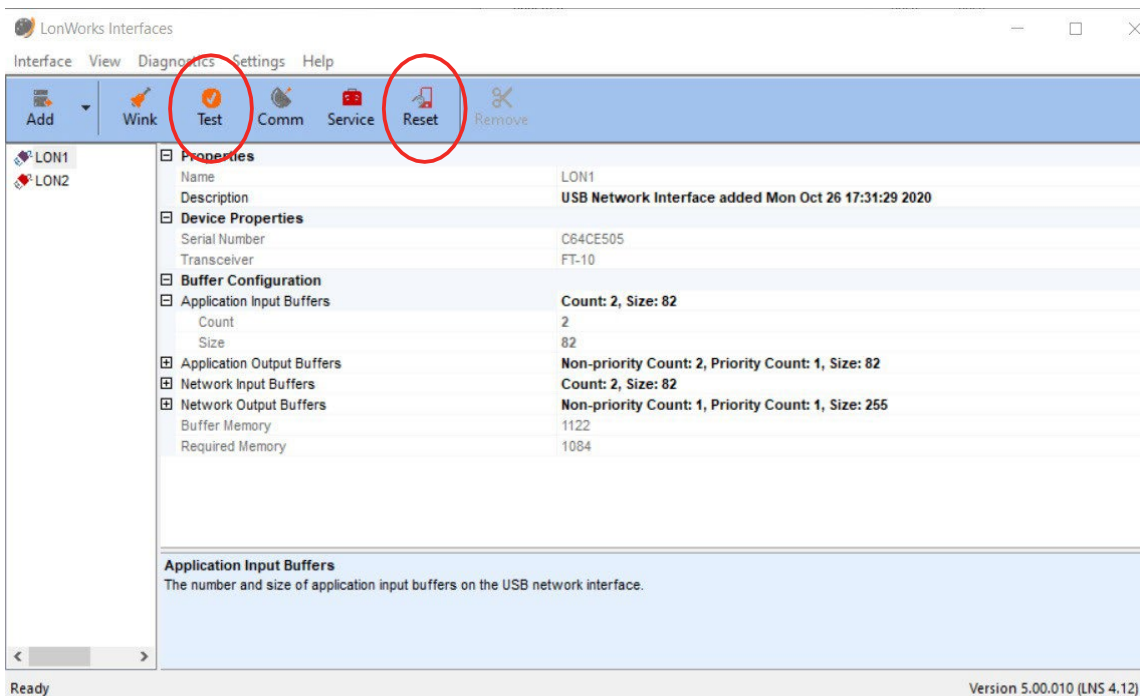
Select the LON interface active for TMS Soft and open the settings for "Application Input Buffers":



Click the 3 dots button and change the settings according to figure:



Then reset and test the gateway.



Activate LAN:

Software interface for LAN networking.

Activate GSM:

Software interface for SMS networking.

Interval area:

Send time interval [h]:

The TMS PC gateway will update the time in all devices that contain a real-time clock.

Watchdog interval [ms]:

At these intervals, TMS Soft or the OPC server will check whether the TMS PC gateway interface is functioning.

Telegram display area:

Displays the telegram bytes:

This area is protected with a factory-set password and not accessible.

Complete telegrams can be displayed in the monitor if there are communication problems.

Only telegrams with door address:

Filters the monitor display on the door address entered (-1 shows all door addresses).

TMS Soft starts the local TMS PC gateway service:

If TMS Soft is started, the TMS-PC gateway interface also starts.

TMS Soft terminates the local TMS PC gateway service:

If TMS Soft is terminated, the TMS PC gateway interface will also terminate.



## Note

If TMS Soft is connected to a building management software via an OPC server, remove the check mark from **"TMS Soft terminates the local TMS PC gateway service"** so that when TMS Soft is closed, the service will continue and thus, even when TMS Soft is not active, the data points in the building management system will remain active.

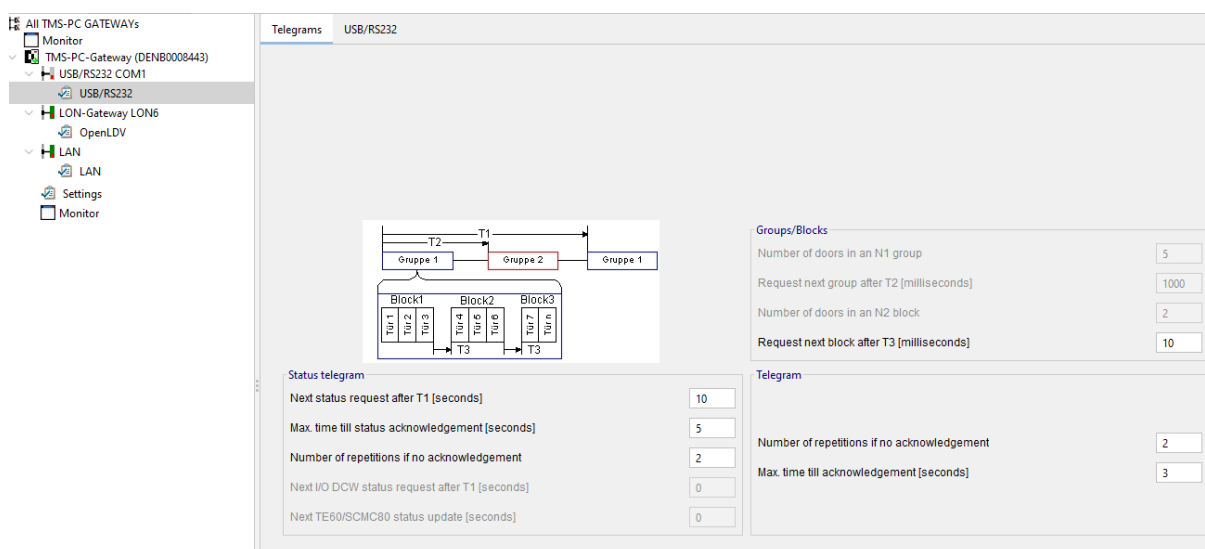
Use the Apply button to save the parameters and get the TMS PC gateway interface started

Click on an interface to access the interface-specific tabs.

To be able to make the interface-specific settings, expand the Settings node (click on the + sign).

### 4.5.3.1 "Telegrams" tab

Signal processing settings for all interfaces are made on this tab. This includes, among other things, the sizes of blocks and groups and their linear processing.



The block diagram shows the arrangement of the blocks and groups and the time intervals (T1, T2, T3).

#### Groups/Blocks area

Info:

The max. transmission time for a telegraph to a device is 300 ms.

Number of doors in an N1 group:

Contains the number of telegrams before there is a group pause.

Request next group after T2 [milliseconds]:

Contains the time in millisecond for sending including the pause after sending.

Number of doors in an N2 block:

Contains the number of telegrams before there is a block pause.

Request next block after T3 [milliseconds]:

Contains the pause time in milliseconds after sending a block.

#### Status telegram area

Next status request after T1 [seconds]:

Contains the time in seconds after which a device is queried if it has not changed its status and therefore has not sent a telegram to the alarm panel (status query).

Max. time till status acknowledgment [seconds]:

Contains the maximum response time in seconds after a status query, until TMS Soft issues a timeout message.

Number of repetitions if no acknowledgment:

Contains the number of times a status query telegram is repeatedly sent if there is no response.

Next I/O DCW status request after T1 [seconds]:

Contains the time for the status query of an I/O DCW module in seconds.

An I/O DCW module does not send a status telegram if a status of an input has been changed, so the device must be queried after T1 time (status query). 0 = no query.

Settings  $\neq$  0 required only if the I/O status is to be forwarded via an OPC server or dormakaba DoorManager.

Next TE60/SCMC80 status update [seconds]:

Contains the time in seconds after which a TE60 panel module is updated.

Settings  $\neq$  0 required only if the TE60/SCMC80 is used as a parallel panel.

## Telegram area

Number of repetitions if no acknowledgment:

Contains the number of times a telegram is repeatedly sent if there is no response.

Max. time till acknowledgment [seconds]:

Contains the maximum response time in seconds after a telegram, until TMS Soft issues a timeout message.

Apply button:

Changes to settings must be transmitted to the TMS-PC gateway. To do this click on Apply.

#### 4.5.3.2 "RS232" tab

The COM port for RS232, LON and GSM terminals is selected on this tab.

##### COM interface area

COM port:

Selection of the COM port via which the communication with the LON serial gateway or GSM terminal runs.

Standard port:

COM 1

You can check or change the port address in Window device manager.

Apply button:

Changes to settings must be transmitted to the TMS-PC gateway. To do this click on Apply.

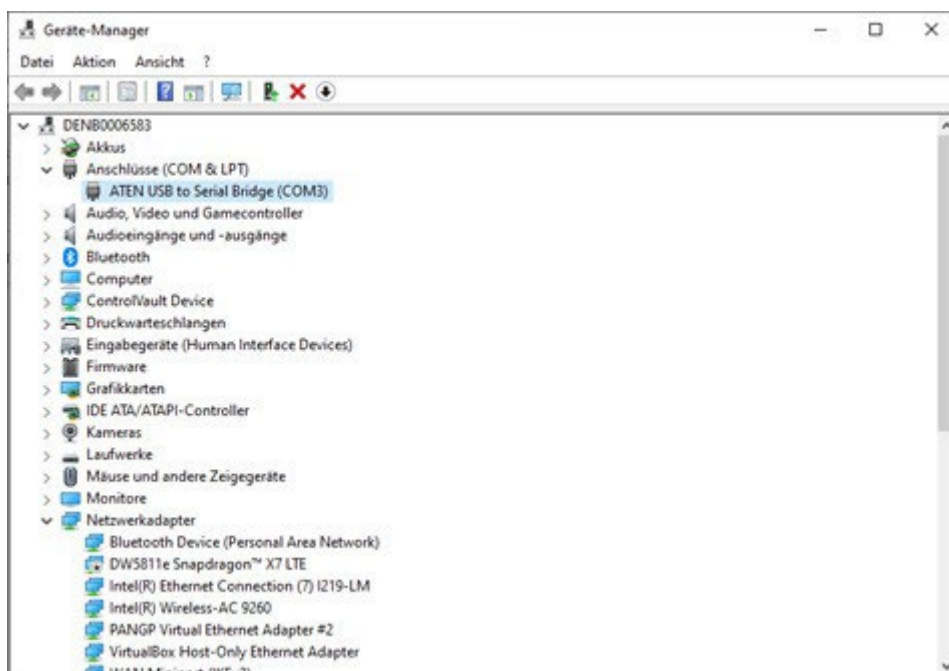
#### 4.5.3.3 Structure of an RS232 interface to a door

A USB-TO-COM adapter is required if no COM interface is available.

The TMS programming cable (item no. 56353600) connects the door to the USB-TO-COM adapter (item no. 190007040708).

Activate the RS232 interface in the TMS-PC gateway's settings.

Set COM port in TMS Soft (see section 4.4.3).

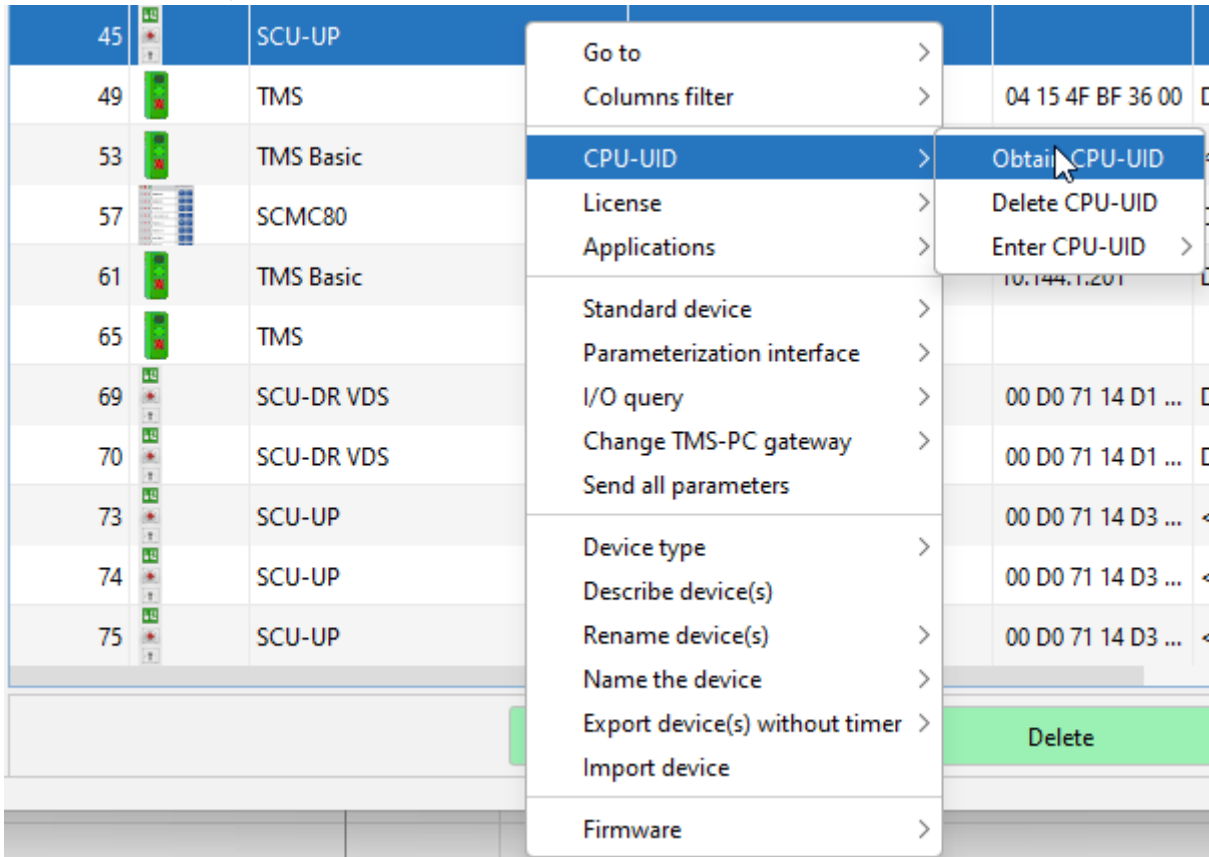


The COM port can be found in the device manager of the operating system.

Select a door in the RS232 list.

For TMS devices, SVP, M-SVP and ES and ED devices, click the "Set address" button to establish a connection to the door.

For SCU-XX devices, the UID must be retrieved in order to establish a connection to the door.



If you are already connected to a door but want to connect to another door next, repeat the instructions from step 2.



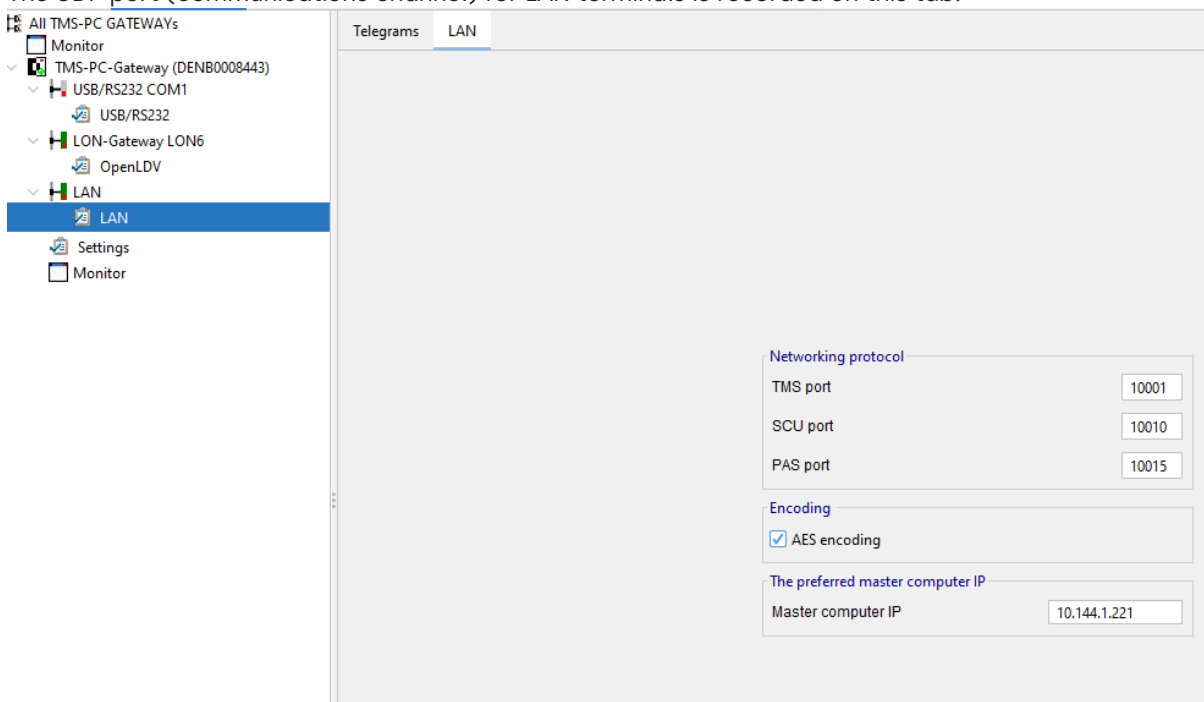
#### Note

SCU doors may be multi-door (premium license).

If it is a two-, three- or four-door control unit, it is sufficient to select a door in the RS232 list and click on the "Set address" button.

#### 4.5.34 "LAN" tab

The UDP port (communications channel) for LAN terminals is recorded on this tab.



LAN area

UDP port:

Contains the UDP port via which the communication with the LAN terminal is running.

Default port for TMS devices:

10001

Default port for SafeRoute devices (SCU-xx):

10010

Default port for PAS devices (ETS):

10015

Encoding area:

AES encoding check box:

Encrypts communication with standard AES encryption (128 bit).

The preferred master computer IP area

Master computer IP:

The server IP address is entered here.

Buttons area

Apply button:

Changes to settings must be transmitted to the TMS-PC gateway. To do this click on Apply.

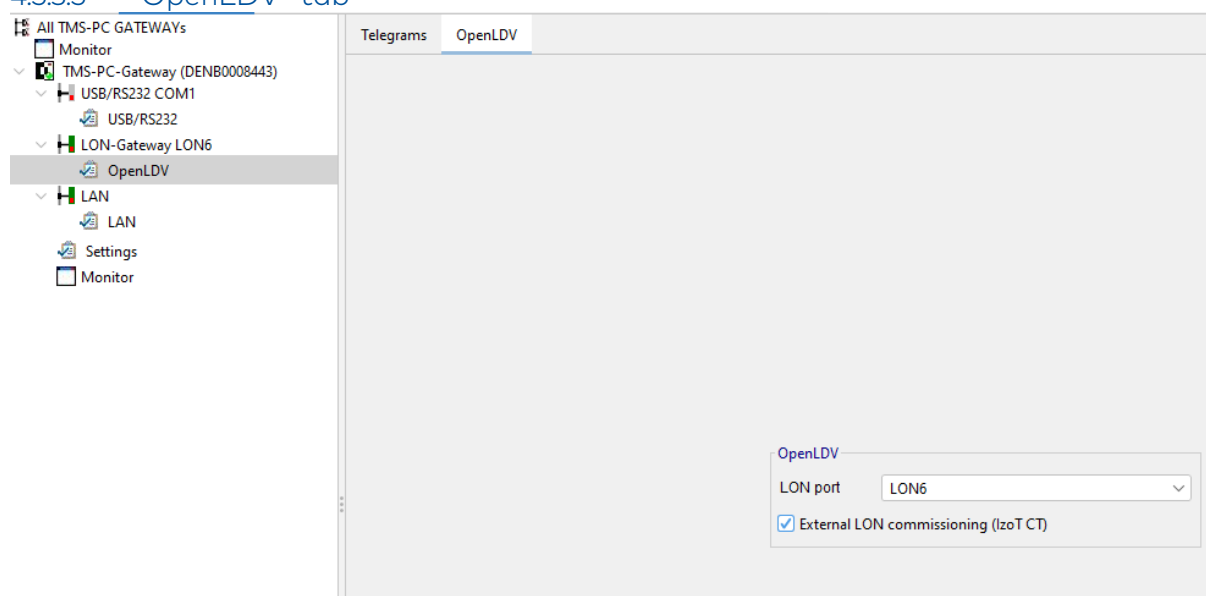
Save button:

Applies the changes made to this page

Standard values button:

Loads the dormakaba presets.

#### 4.5.3.5 "OpenLDV" tab



The LON port for the OpenLDV interface via which the terminals are connected is selected on this tab.

OpenLDV area

LON port:

Selection of the LON port via which the OpenLDV communication runs.

Under the LonWorks interface (32 bit) in the system control the LON port can be read, tested and changed.

To do this click on Apply.

Apply button:

Changes to settings must be transmitted to the TMS-PC gateway. To do this click on Apply.

Save button:

Applies the changes made to this page

Standard values button:

Loads the dormakaba presets.

External LON commissioning (IzoT CT)

The use of LON network variables for gate control, panel connection or heartbeat binding takes place via a network management tool.

When the box is unchecked, heartbeat binding via TMS Soft can be carried out

→ 4.5.1.2

## 4.6 SCMC20 integration in TMS Soft

Insert SCMC20 as device in TMS Soft.

Activate LON in the communication settings and select the LON interface.



### Note

SCMC20 as a safety-relevant release can and must only be networked with LON!

Then search for a LON module in the LON settings and assign a SCMC20 to this LON module. LON networking is described in the chapter entitled "LON Gateway, LDV".

Add SCMC20 to the Visualization.

To do this, right-click on an area of the visualization tree in the visualization.

Select "Insert device x" on the context menu.



### Note

The SCMC80s connected to the SCMC20 via the DCW bus are automatically transferred to the visualization and displayed as DCW nodes below the SCMC20.

## 4.7 SCMC80 integration in TMS Soft

To commission a SCMC80, choose between a LON or LAN connection.

A SLON-PL module is required for LON and a TMS LAN module for a LAN connection.

The network module is connected to the SCMC80.

A DIP switch is used to set whether it is DCW or LON/LAN operation.

Insert SCMC80 as device in TMS Soft.

In the communication settings, activate and configure LON/LAN.

The LON settings are described in the chapter entitled "LON Gateway, LDV".

The LAN settings are described in the chapter "LAN".

Add SCMC80 to the visualization.

To do this, right-click on an area of the visualization tree in the visualization and select "Insert device x" from the context menu.

To add a device to the SCMC80, right-click on one of the eight module slots and select a device.

In the SCMC80 parameterization, select the device type you have inserted in the corresponding module slot.

The device type is important to ensure that the status telegrams are interpreted correctly.

All devices except for SCU:

In the communication, the value for "Next TE60/SCMC80 status update [seconds]" must be set for LON/LAN.

This value specifies the time interval at which the status of a device is updated on the SCMC80.

Furthermore, the value "Monitoring time of the network connection (5-120 seconds)" must be set in the parameterization of the SCMC80.

SCU:

In Parameter settings -> Special functions -> Miscellaneous, the value "Send status to SCMC20 (SCMC80 DCW) every (n) seconds" must be set.



### Note

The monitoring time should be selected in such a way that the status query of a device is sent at least twice per monitoring interval to compensate for faulty or lost status telegrams.





## Note

Mounting an optional SLON-PL or LAN module

Switch the DCW-DIP switch 4 to ON (LON/LAN operation).

Plug in and fix the optional SLON-PL or LAN module.

Connect the power supply (terminal X200).

→ The SCMC80 panel unit will be connected to the LON/LAN network and can be set up and parameterized in TMS Soft (as a parallel display, for visualization in the software).

In order to send the status and command telegrams, the software service must be permanently active on the server computer.

→ In LON mode, parameterization can alternatively be carried out with a LON configuration tool. The network variables can be used.

## 5 Parameterization

### 5.1 Timer functions

All time switch components, such as weekly schedule, daily schedule, public holidays (special days), vacations (special areas) and time windows are created in the [Main tab - Templates](#).  
The timer functions for every device are controlled via the Timer tab under the Parameter settings main tab.  
There are three ways to use a timer in TMS Soft:

#### Internal timer

(valid for device types TL-S TMS2, TMS Comfort, SVP-S 4x, M-SVP)

|                                   |         |
|-----------------------------------|---------|
| Functions                         | max. 2  |
| Inverted functions                | max. 2  |
| Daily schedules                   | max. 7  |
| Time window per day               | max. 2  |
| Weekly schedules                  | max. 1  |
| Special days                      | max. 16 |
| Special areas                     | None    |
| (valid for SafeRoute device type) |         |
| Functions                         | max. 2  |
| Inverted functions                | max. 2  |
| Daily schedules                   | max. 10 |
| Time window per day               | max. 20 |
| Weekly schedules                  | max. 10 |
| Special days                      | max. 50 |
| Special areas                     | max. 20 |

#### PC time switch controlled by TMS-PC gateway

For an extended functionality of the time switch functions

|                     |                                   |
|---------------------|-----------------------------------|
| Functions           | Max. 1 (only permanent unlocking) |
| Inverted functions  | None                              |
| Daily schedules     | Unlimited                         |
| Time window per day | Unlimited                         |
| Weekly schedules    | Unlimited                         |
| Special days        | Unlimited                         |
| Special areas       | Unlimited                         |

#### Access control timer

(valid for device types TL-S TMS2 Zuko, TMS Comfort Zuko, SVP-S 4x Zuko, M-SVP Zuko)

This timer will be active when access control software (MATRIX or CC-Soft) with firmware version 3.0 or higher is being used.

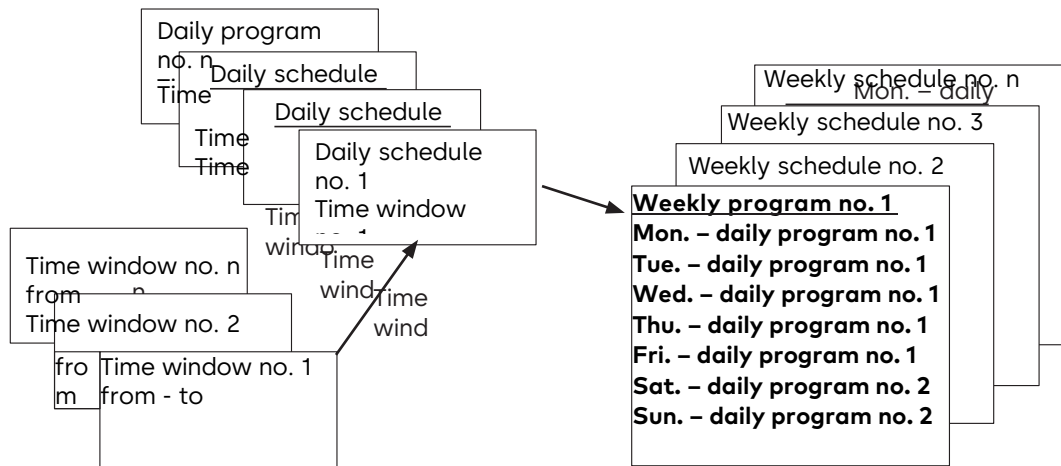
The timer function in the TL-S TMS will be deactivated. The PC time switch function should not be activated.

|                         |                                      |
|-------------------------|--------------------------------------|
| Functions               | max. 3                               |
| Inverted functions      | None                                 |
| Daily schedules         | max. 14 (7 weekdays, 7 special days) |
| Door program            | max. 14 (7 weekdays, 7 special days) |
| Time window per day     | max. 2                               |
| Weekly schedules        | max. 10                              |
| Special days            | max. 50                              |
| Special areas           | None                                 |
| Histories data          | max. 1600                            |
| ID cards per door (IMT) | max. 500                             |

#### Working with weekly programs

Weekly schedule 1, daily schedules "Duration on" and "Locked" and time window 1 are standard schedules and can (must) not be deleted.

Overview of daily/weekly schedule



A weekly program determines the time window per day and special days for activating the time switch functions.



#### Note

If more than two time windows have been assigned to a weekday, the software will use only the first two time windows for the TMS timer.

One function can be activated within a time window.

In addition, special days (public holidays) or special areas (holidays) are taken into account on which activation of the function is prevented (no time window) or another time window is valid.

A fixed or a flexible date can be set for a special day.

A flexible date is calculated according to the Gauss' Easter formula.

## 5.2 Execute a teach-in run in sliding doors

The teach-in run must always be carried out when a unit is changed, e.g. when a new drive, toothed belt, end stop or new rollers have been installed.

The teach-in run can be executed during operation. A network reset is not necessary.

The teach-in run only determines the door parameters again.

The set travel parameters are retained.

The following parameters are to be set for the teach-in run:

- Locking type
- Drive type
- Program mode

Teach-in run process:

- Switch the program switch to OFF (the locking of an FST door can only be tested in OFF).
- Activate the teach-in run:
  - With the door in the closed position, press the service button for approx. 3 s until the outer segments of the 7-segment display light up in circles.
  - Depending on the firmware version, alternatively you can send a teach-in run command from TMS Soft or PDA.
- In the closed position, the control unit starts the teach-in run. The radar detectors and light barriers are switched to inactive. The outer segments of the 7-segment display light up in circles throughout the entire teach-in run.
- Determining the weight of the door:
  - The door opens with high acceleration up to an opening width of approx. 40 cm (double-leafed door approx. 80 cm) and determines the door weight. This is necessary for setting the controller, e.g. braking points.
  - The door continues to open at a creeping speed.

Determining the opening width:

- The door then opens further to determine the opening width. If the door is blocked, the determined distance is the new opening width.
- The determined door parameters are saved (RAM and EEPROM). The outer segments of the 7-segment display no longer light up. The teach-in run has been completed.
- The door closes again at normal speed.

## 5.3 Reset sliding doors to factory settings

When first commissioning the unit, an initial loading is carried out on the control unit, i.e. the control unit receives the factory settings.

After these factory settings, deviating settings (e.g. drive type, door type) must be entered manually using the buttons on the control unit, via TMS Soft or a PDA.

The unit can be reset to factory settings in the same way. Following are the steps to take:

- Set the program switch to OFF (the locking of an FST door can only be tested in the OFF position).
- Press and hold the service button or send a command for factory settings via TMS Soft or PDA.
- Switch on the power supply. After switching on the power supply, the power pack is started up and the safety checks are carried out.
- As soon as the 7-segment display flashes an "8" twice, release the service button. The factory setting is loaded before the door starts moving.
- The door closes at creep speed.



#### Note

The first run must always been a closing movement.

If the door moves in the wrong direction, pressing the minus button can change the direction of rotation of the drive. The changed counting direction of the incremental encoder is only recognized on the initial loading and changed by the software. This is only possible during the initial loading or the first run if no initial loading or teach-in run has been carried out on the door beforehand.

## 5.4 Use of TE devices

This device type allows simple control and visualization of escape route doors with SafeRoute and TMS technology. There are, in principle, two possibilities for visualizing and controlling via TE devices:

#### Visualization

- As a linked LON Mark component without additional software
- As a parallel display to TMS Soft

#### Control

- In a LON network, it is possible to link the desired functions and displays via network variables (LON Mark) using a commissioning tool (e.g. LON Maker or Open LNS). Then the unit works independently.
- If no commissioning tool is available, the panel can also be operated in parallel with the PC with TMS Soft. The PC with the TMS-PC gateway communication software must not be switched off in this operating mode, as it controls the telegram traffic with the panel.



#### ATTENTION

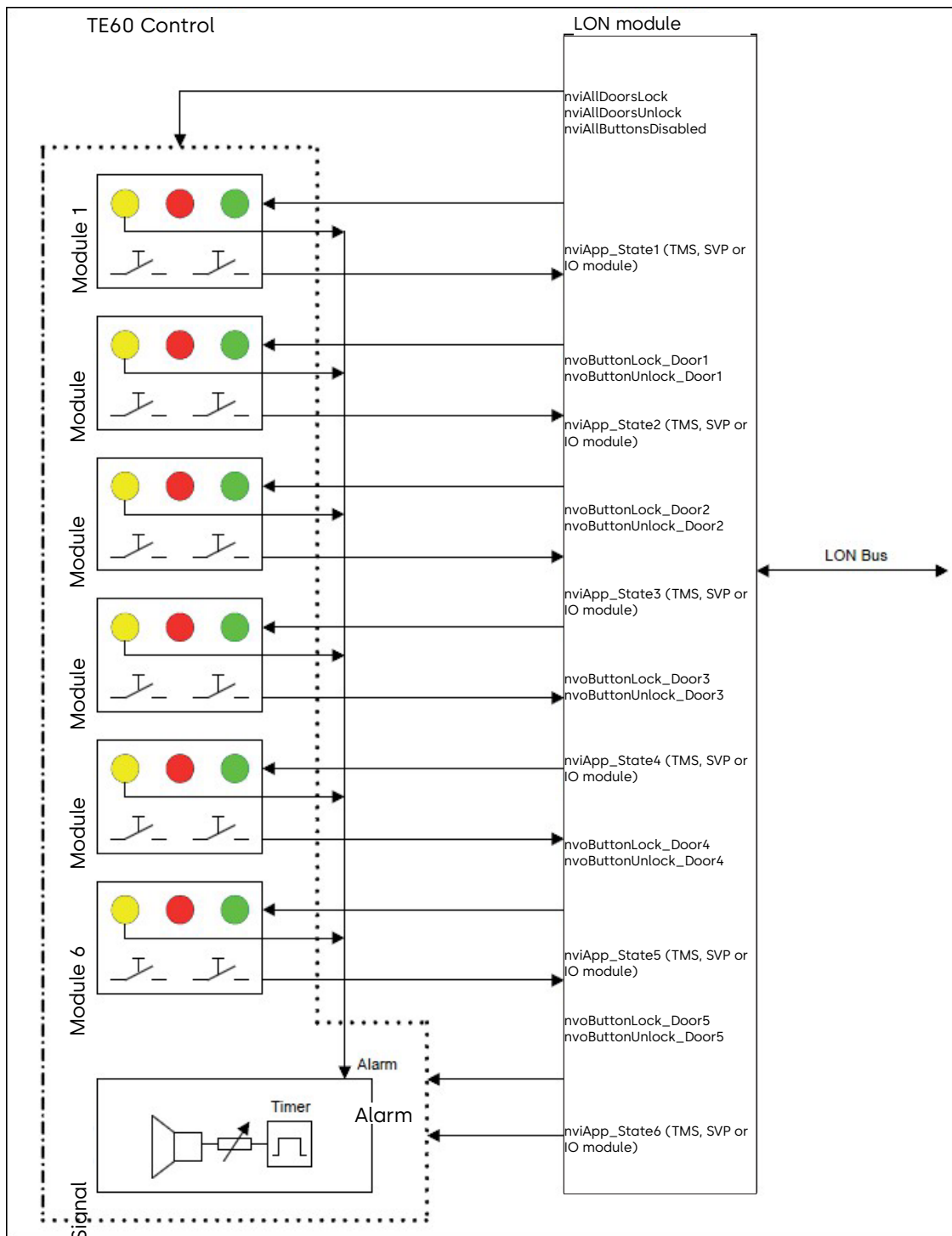
In a LON network, LON binding must not be carried out in parallel, as functions that have been activated by LON binding can possibly be deactivated again via a TMS telegram (or vice versa).

One or more control panels (TE60 2L) can be assigned to a basic panel (TE25 Basic 2L). TE60 Control 2L  
 With the TE60 Control 2L panel insert, up to 6 doors can be visualized and controlled. The doors can optionally be equipped with a TMS, SVP or IO module control. A door is assigned to the individual buttons and displays with TMS Soft or LON binding.  
 With SafeRoute SCMC (SafeRoute Central Management Control) panel inserts are available.  
 SCMC25 = TE25

Block diagram:  
TE25 Basic 2L panel

The following functions can be performed with the panel insert TE25 Basic 2L:

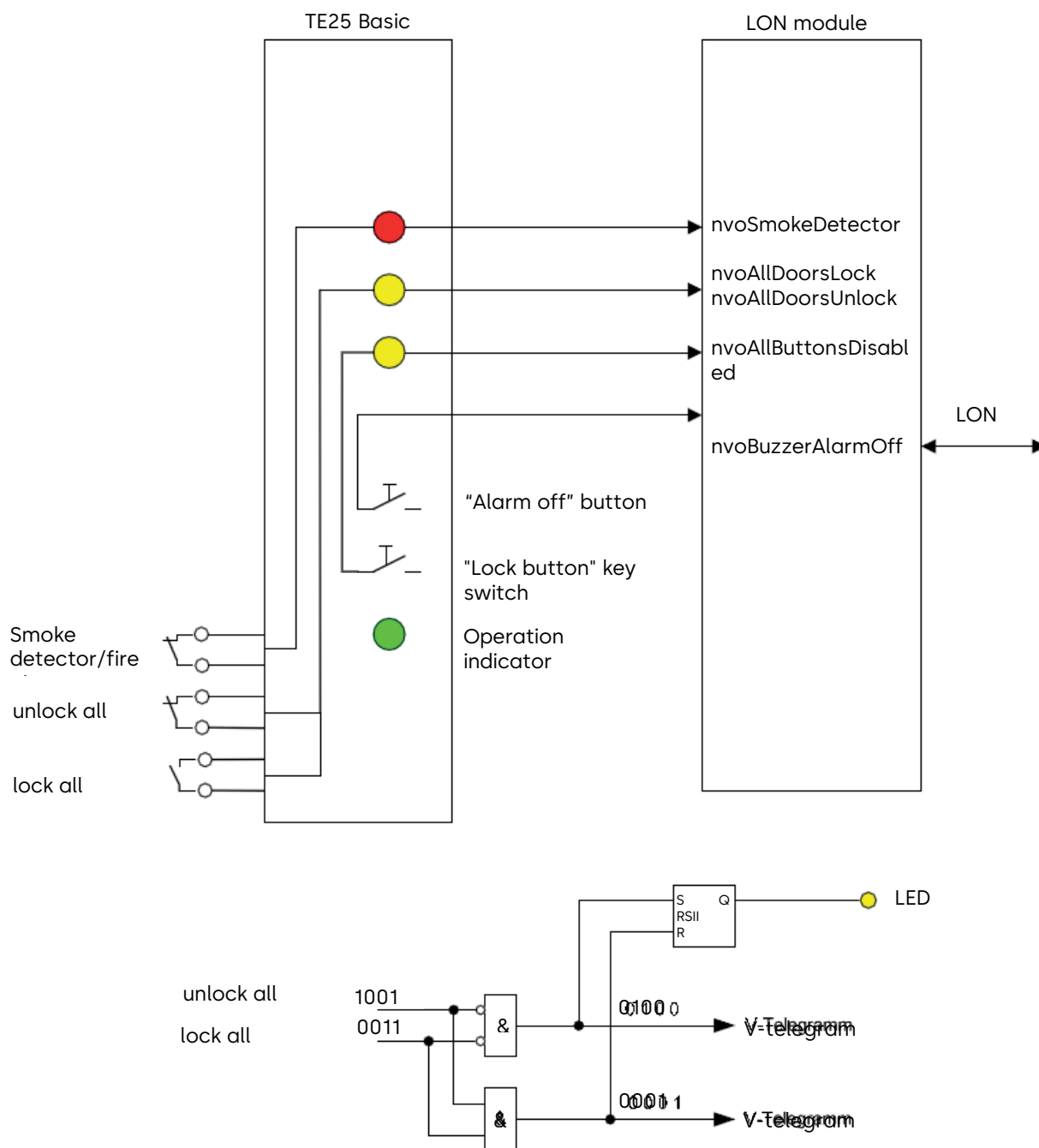
Lock or release the button (unlock/lock) in the TE60 Control 2L panel using the built-in key switch.



- Switch off the acoustic alarm in the TE60 Control 2L using the built-in button.
- Unlock or lock all doors
- Reading a fire alarm contact and forwarding it to the LON bus (as SNVT)
- Reading a contact to unlock several doors. Contact is available as SNVT.

With TMS Soft, the TE60 is assigned to a TE25 in the visualization, the functions are controlled by the TMS-PC gateway software.

Block diagram:



#### Forwarding of the telegrams through the TMS PC gateway

The necessary allocations that the TMS PC gateway uses to manage and forward the corresponding telegrams are created in the Visualization main tab.

#### Example:

The TMS control unit with address 02 sends status messages to the TMS PC gateway.

The data is first written to the database for visualization.

Then the TMS-PC Gateway checks to which panel the status should be sent.

The status message is then forwarded to the panel.

Conversely, a command is sent from a panel to the TMS-PC gateway and evaluated.

A command from the panel is forwarded to TMS control unit 02.

### Smoke detector contact

This function is only possible in conjunction with TL-S TMS2 V4.2 or TL-S Compact UP V4.2.

The TMS-PC gateway checks whether the function "GMA/BMA smoke detector" has been selected in the "Network variables" menu for "nviTMSFunktion1 to 4" and whether the TMS Center is assigned to a TE25.

Only then will the smoke alarm be forwarded to the TMS devices.

In the event of a smoke alarm, the TMS-PC-Gateway checks whether it is active on all TMS devices (status query) and sends the telegram again to the relevant devices if necessary.

Conversely, a smoke alarm is reset, if the smoke detector contact is closed again. The command is repeated (only relevant devices) until no more TMS devices report smoke alarms in the status.

This function is important, as after a power failure the smoke alarm is active in a TMS central unit (if configured).

The TMS PC gateway will then generate a telegram and acknowledge the smoke alarm.

Warning:

This solution is not a security-relevant cut-off, because it does not work if there is no communication.

### SCMC80:

With the SCMC80 panel insert, up to 8 doors can be visualized and controlled.

The doors can optionally be equipped with a SCU-xx, TMS, SVP or IO module control.

A door is assigned to the individual buttons and displays with TMS Soft or LON binding.

An SCMC 80 can be operated in LON / LAN and DCW modes (on an SCMC20).

### SCMC20:

With the SCMC20 panel insert with a premium license, up to 64 doors can be activated for security purposes.

The doors to be activated are assigned with TMS Soft and LON binding.

This function corresponds to EN 13637 and is subject to regional building law.

### SCMC30:

With the SCMC30 panel insert, the emergency buttons on doors that can be activated via SCMC20, can be deactivated. This function corresponds to EN 13637 and is subject to regional building law.

### SCMC40:

The SCMC40 panel insert can be used to activate the T2 emergency open delay on doors that have the T1 emergency open delay and can be activated via SCMC20.

This function corresponds to EN 13637 and is subject to regional building law.

## 6 Main tab - Parameterization

The functions and settings of a door control unit are specified under the Parameter settings main tab. In the Door description field, select the door control unit whose parameters you want to change.

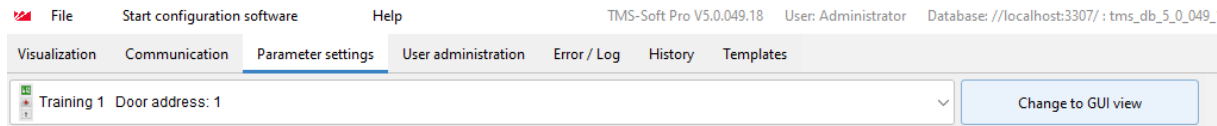


### Note

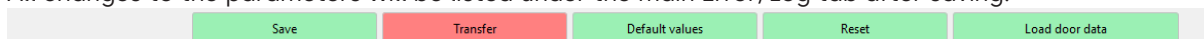
The tabs displayed depend on the device type and the functions can vary, depending on the firmware used.

This section is divided into device types for quick and clear access to all relevant information.

A complete description of all functions for each type can be found in the respective section.



Changes to the parameters are saved and loaded using the buttons in the lower area of the window. All changes to the parameters will be listed under the main Error/Log tab after saving.



Save button:

Saves all changes in the database.

If the button is red, changes were made that must be saved in the database.

Transfer button:

Saves all the parameters in the database and transmits the stored data to the selected door.

If the button is red, there are changes that must be transmitted to the door control unit.

Standard values button:

Resets the values to the standard values from dormakaba or the door control unit values that have been marked as "standard".

Reset button:

Deletes the data entered and loads the last saved values from the database.

Load door data button:

Loads the current data from the door control unit.

### 6.1 SCU-UP/DR device type

The SafeRoute devices have a license model. Basic, Standard and Premium licenses can be purchased.

The hardware is always the same.

For commissioning, the respective license card is inserted into the license card reader.

Tip:

If you carry out parameterization in TMS Soft before you connect the hardware, make sure you are using the license and application that match the hardware in TMS Soft.

At moment you connect the hardware to TMS Soft, the software automatically recognizes which hardware is connected. If, for example, you have parameterized for a standard license but only have a basic license, the system will notify you of this. For confirmation, the parameters set that are not available for the current license are deleted.

Next you will be notified with which license the parameters are to be set.

Logic functions:

Logic functions are exclusively parameterized in the graphical user interface (GUI) and are available with the Standard and Premium licenses. To switch to the GUI view, click here:

To map the extensive options of the SCU-UP/DR devices, the main Parameterization tab has ten tabs for



SCU-UP/DR devices, some of which are divided into further sub-tabs.



## 6.2 "Unlocking" tab (SCU-UP/DR types, Standard-Premium, classic view)

On the Unlocking tab, you can specify the times for locking and unlocking, and the behavior of the alarm.

### Relocking times area

Temporary unlocking (3 ... 180 s):

Sets the time for which a door remains unlocked after temporary unlocking.  
After this time runs out the door locks automatically.

TIP:

The time should be set so that a person can comfortably walk through the door and after it closes locking is immediately activated again.

Values: 3 ... 180 s; standard value: 5 s

Long-term unlocking (5 ... 120 min):

Sets the time for which a door remains unlocked after long-term unlocking.  
After this time runs out the door locks automatically.

Values: 5 ... 120 min standard value: 5 min

### Long-term and permanent unlocking area

Activation of long-term unlocking (3 ... 20 s):

Specifies the time that an input with the combined functions "temporary/long-term/permanent unlocking" must be operated to trigger long-term unlocking.

Values: 3 ... 20 s; standard value: 8 s

Activation of permanent unlocking (5 ... 30 s):

Specifies the time that an input with the combined functions "temporary/long-term/permanent unlocking" must be operated to trigger permanent unlocking.

Values: 5 ... 30 s; standard value: 15 s



#### Note

The value for long-term unlocking (standard value: 8 secs) must always be smaller than the value for permanent unlocking (standard value: 15 s.).

### Combined functions Temporary/long-term/permanent unlocking area

By activating the check boxes, temporary, long-term or permanent unlocking for the combined functions of the device can be disabled.

With the check boxes ticked you activate all functions.

### Door open monitoring area

SCU devices support two independent monitoring times with short-term or long-term unlocking.

Example:

Door open monitoring 1 (M1) for normal access (short monitoring time) on key switch 1

Door open monitoring 2 (M2) for room cleaning (long monitoring time) on key switch 2.

Time to pre-alarm (5 ... 180 s):

Specifies how long the door should be open until the pre-alarm is triggered.

Values: 5 ... 180 s; standard value: 30 s

Duration of M1 pre-alarm (10 ... 475 s):

Specifies the time after which a pre-alarm is converted into a main alarm.

Values: 10 ... 475 s; standard value: 60 s

### Alarm duration limit area

Main alarm duration:

Specifies how long the internal alarm siren is active.

Values: 5 ... 255 s; standard value: 90 s

### Door-open-monitoring 2 area

Time to pre-alarm (5 ... 180 s):

Specifies how long the door should be open until the pre-alarm is triggered.

Values: 5 ... 180 s; standard value: 30 s

Duration pre-alarm (10 ... 475 s):

Specifies the time after which a pre-alarm is converted into a main alarm.

Values: 10 ... 475 s; standard value: 60 s

### 6.3 "Key switch" tab (SCU-UP/DR types)

On this tab, you can assign functions to the key switches that are connected to the SCU-xx control unit via the DCW bus. You can trigger these functions on site by pressing a key switch.



If the software is connected to a device, only the active DCW nodes are displayed. Inactive DCW nodes will be hidden.

In a multi-door control unit, the DCW key switches are assigned according to the following schema:

#### 1 door

All DCW key switches are assigned to door 1.

#### 2 door control units

DCW key switches with addresses 1 and 4 are assigned to door 1

DCW key switches with addresses 2 and 3 are assigned to door 2

#### 3 door control units

DCW key switches with addresses 1 and 4 are assigned to door 1

DCW key switch with address 2 is assigned to door 2

DCW key switch with address 3 is assigned to door 3

#### 4 door control units

DCW key switch with address 1 is assigned to door 1

DCW key switch with address 2 is assigned to door 2

DCW key switch with address 3 is assigned to door 3

DCW key switch with address 4 is assigned to door 4

#### Right-keying area

Right keying of STXX I ... STXX IV can be assigned up to 3 functions.

Standard values:

1. Function: Temporary/long-term/ permanent unlocking M1 (E).
2. Function: Alarm acknowledgment (S)
3. Function: No function

#### Left keying area

Left keying on the key switch STXX I ... STXX IV can be assigned 2 functions each.

Standard values:

1. Function: Lock (S)
2. Function: Delete maintenance alarm



The "Delete maintenance alarm" function is only activated after pressing for 15 s.

The maintenance alarm cannot be reset until the maintenance LEDs flash.

A premature reset is not possible until CPU 3 firmware V 2.1.

## 6.4 "SVP functions" tab (SCU-UP/DR types)

You can parameterize the functions of an anti-panic lock on this tab.

"Basic functions" tab, SVP selection area

Selection of the SVP type

The various SVP types have different functions available to them in this area.

Standard value: Deactivated



There are various SVP lock types.

Select the lock type you are using.

In the visualization, the lock type is updated by clicking on the DCW bus node, so you are able to identify the lock type.

New in TMS Soft version 5.0.050:

The lock type is automatically read from the device

### SVP-S 2x DCW

Unlock/lock area

Unlocking via profile cylinder:

Selects the function that is triggered by unlocking via the profile cylinder.

Standard value: Temporary unlocking M1 (E).

Locking via SVP lock:

Selects the function that is triggered by locking via the SVP lock.

Standard value: No function

Functions area

On-site alarm, if door handle operated:

Specifies whether an acoustic alarm should be triggered on site when the door handle is operated.

Standard value: Activated

Automatic lock release:

Specifies whether the SVP lock unlocks with temporary, long-term or permanent unlocking.

Standard value: Activated

SVA/SVP unlocking, when emergency button is pressed:

Specifies whether the SVP lock should unlock when the emergency button is pressed.

Standard value: Activated

Response to smoke alarm:

The lock's response to a smoke alarm is parameterized via a combo box

Lock automatic SVA/SVP/ED unlocking if there is a smoke alarm:

Determines whether the automatic unlocking function is blocked for SVP and automatic drives so that smoke cannot spread in the event of fire protection door doors.



### ATTENTION

This function must always be activated for fire protection doors.

SVA/SVP/ED unlocked if smoke alarm is pending (opening of air vents):

Specifies whether the door unlocks and opens automatically in the event of a smoke alarm by SVP and automatic operator (to supply fresh air to the building) and closes automatically after the smoke alarm has ended.

Standard value: deactivated.

## ATTENTION

This function must be deactivated for fire protection doors in order to comply with the requirement for locking fire protection doors in the event of a fire.

In the event of fire, fire protection doors must be locked with the latch as a minimum, to prevent fire flashover or smoke from adjacent areas in the building.

With SVP locks, the latch can be moved freely if the lever is unlocked.

As a result, permanent unlocking is not feasible.

Electric unlocking of the SVP/SVA lock possible in the event of a smoke alarm:

Determines whether the lock is to be unlocked by a control command in the event of a smoke alarm, e.g. short-term unlocking, and whether the door is to be opened, e.g. for access from the outside.

Standard value: deactivated.

## Note

This function is only available if "Automatic SVA/SVP unlocking" is activated.

### SVP-S 2x DCW with SVP6xx area

Selection of the operating principle (door handle disengaged without current) or the closed-circuit principle (handle engaged without current) of the engageable outer door handle on doors with an SVP 6xxx.

"SVP-S2x I/O module" tab (SVP-S 2x DCW)

The assignment of inputs and outputs is defined in this area.

Note: The hardware description can be found in WN no. 057049 45532

### Input area

#### Input 1/2:

Selection of the input 1 ... 2 of the SVP device.

Standard values:

Input 1:

Radar detector (E)

Input 2:

No function

### Output area

#### Output 1/2:

Selection of the output 1 ... 2 of the SVP device

Standard values:

Output 1:

ED impulse control (A)

Output 2:

ED radar control (A)

### Mode area

Selection of the function mode of output 1 ... 2

Standard values:

For output 1:

Monoflop function

For output 2:

Normal function On/Off

## Note

Further information on the modes can be found under the topic of Function modes at outputs (classic parameterization interface).

### Time setting area

Enter a time period in seconds for the function of outputs 1–

2. A time can only be specified for the monoflop function, switch-on delay or flashing mode monoflop.

Values: 1            255 s;  
Standard value: 1 s



The inputs and outputs can be given user-defined names.  
This description is also displayed in the Visualization of the SVP module.  
Right-click on the respective input or output and enter the desired description.  
Confirm with the Enter key.  
The named input or output is shown in red.

#### SVP/SVA 2xxx

Unlock/lock area  
see SVP-S 2x DCW

##### Functions area

On-site alarm, if door handle operated:

Specifies whether an acoustic alarm should be triggered on site when the door handle is operated.

Standard value: Activated

Automatic lock release:

Specifies whether the SVP lock unlocks with temporary, long-term or permanent unlocking.

Standard value: Activated

SVA/SVP unlocking, when emergency button is pressed:

Specifies whether the SVP lock is to unlock when the emergency button is pressed.

Standard value: Activated

Response to smoke alarm:

The lock's response to a smoke alarm is parameterized via a combo box

Lock automatic SVA/SVP/ED unlocking if there is a smoke alarm:

Determines whether the automatic unlocking function is blocked for SVP and automatic drives so that smoke cannot spread in the event of fire protection door doors.



This function must always be activated for fire protection doors.

#### SVA/SVP/ED unlocked if smoke alarm is pending (opening of air vents):

Specifies whether the door unlocks and opens automatically in the event of a smoke alarm by SVP and automatic operator (to supply fresh air to the building) and closes automatically after the smoke alarm has ended.

Standard value: deactivated.



This function must be deactivated for fire protection doors in order to comply with the requirement for locking fire protection doors in the event of a fire.

In the event of fire, fire protection doors must be locked with the latch as a minimum, to prevent fire flashover or smoke from adjacent areas in the building.

With SVP locks, the latch can be moved freely if the lever is unlocked.

As a result, permanent unlocking is not feasible.

#### Electric unlocking of the SVP/SVA lock possible in the event of a smoke alarm:

Determines whether the lock is to be unlocked by a control command in the event of a smoke alarm, e.g. short-term unlocking, and whether the door is to be opened, e.g. for access from the outside.

Standard value: deactivated.

**Note**

This function is only available if "Automatic SVA/SVP unlocking" is activated.

Test PR (power reserve) module:

Determines whether an external power reserve module is tested every 24 hours.

Option to activate the power reserve module (not for SVP 2000 F)

Standard value: Not active

SVP/SVA 2xxx

Cylinder contact:

Selection of the function that is triggered by operating the cylinder contact.

Standard value: No function

Trigger latch contact:

Selection of the function that is triggered by the trigger latch.

Standard value: No function

SVP 2xxx F DCW

Unlock/lock area

See SVP/SVA 2xxx

Functions area

See SVP/SVA 2xxx

SVP retriggering (for unlocking > 15 seconds)

This check box can also be used to unlock an SVP 2xxx F lock for longer than 15 seconds.

**ATTENTION**

This function must always be activated for fire protection doors.

SVP/SVA area

Cylinder contact:

Selection of the function that is triggered by operating the cylinder contact.

Standard value: No function

Trigger latch:

Selection of the function that is triggered by the trigger latch.

Standard value: No function

M-SVP 2000/2200 DCW

Unlock/lock area

see SVP-S 2x DCW

Functions area

see SVP-S 2x DCW

Operation with PR module:

Option to activate the power reserve module

Standard value: Not active

## 6.5 "Special functions" tab

DCW interlock area (required from Standard or Premium license):

**Note**

The Premium license supports multi-doors, which means that up to four doors can be managed and interlocks can be implemented with one control unit via the DCW bus.

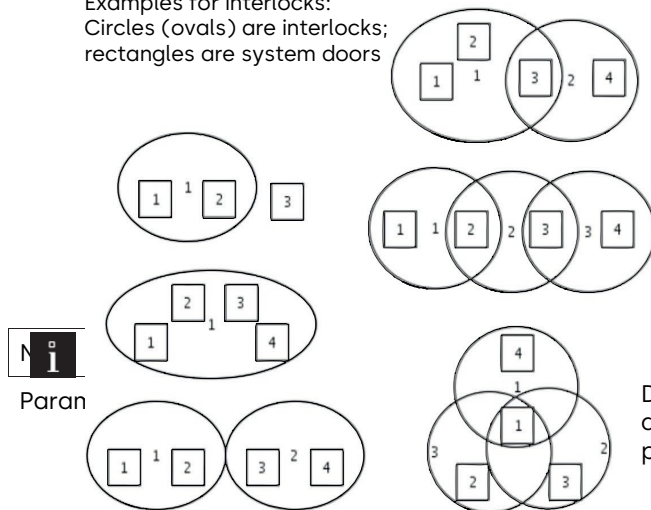
Systems with Standard or Basic licenses can be combined into interlocks via LON binding (programming carried out by dormakaba or a network management tool such as IzoT CT).

When the interlock is active, only one door for the associated interlock can be opened at a time. The other door(s) will be locked until the opened door is locked again.

DCW interlock 1-3:

Assigns the selected door to interlock 1, 2 and/or 3.

Examples for interlocks:  
Circles (ovals) are interlocks;  
rectangles are system doors



#### Two interlocks:

Door 3 opens an inner space and as soon as it is open, access is blocked via 1, 2 and 4, or opening is possible only when 1, 2 and 4 are locked. Doors 1 and 4 or 2 and 4 can be opened at the same time

#### Three interlocks:

Each pair (doors 1 and 2, 2 and 3, and 3 and 4) forms one interlock. An opened door will block the authorized opening of the specific door belonging to the interlock.

Door 1 opens an inner space and as soon as it is open, access is blocked via 2, 3 and 4, or opening is only possible when 2, 3 and 4 are locked.

DCW interlocks (for example, overlapping

#### Lock

##### function area

##### Interlock/separate function:

Selection of the function that is to be triggered under interlock conditions

Default value: Temporary unlocking M1 (E)

##### External devices (non-security relevant shutdown) area

##### Relocking via door contact (SCU-DR/UP Standard/Premium):

Specifies whether for temporary or long-term unlocking there is early relocking using the message "Door closed" via the door contact.

##### Send status area

Send status to SCMC 20 (SCMC 80 DCW) every (n) seconds

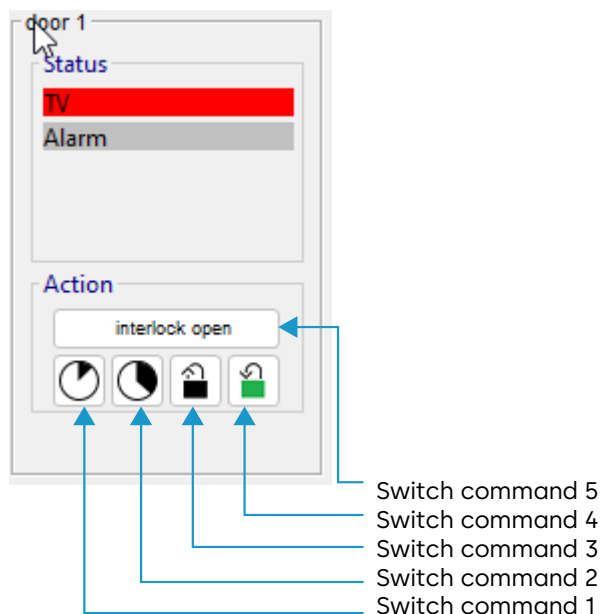
Specifies the transmission interval for the status message for an SCU device in the LON (vital signs).

Default: 40 seconds

"TMS Soft switch commands" tab

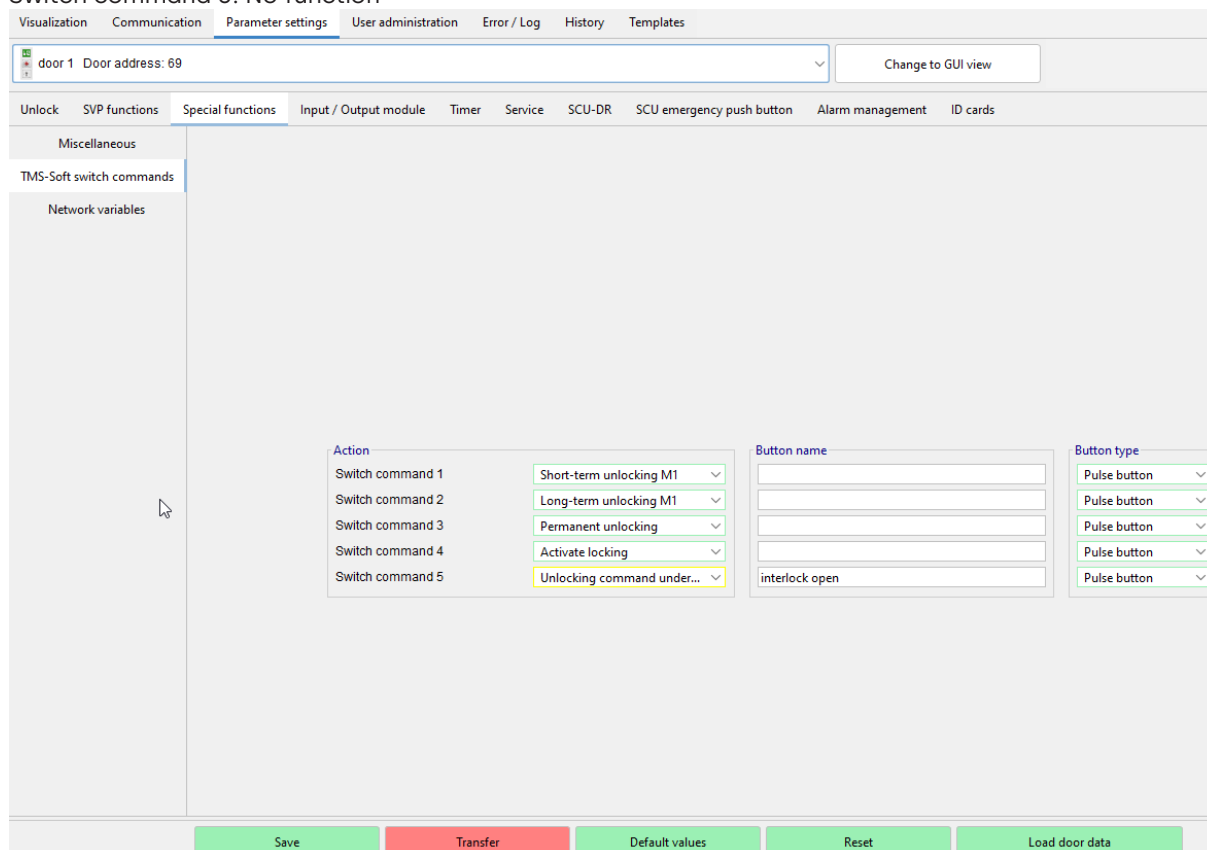
##### Switch command function on:

The switch commands, which can be found under the detailed status of the visualization, can be parameterized here.



#### Standard values:

- Switch command 1: Temporary unlocking
- Switch command 2: Long-term unlocking
- Switch command 3: Permanent unlocking
- Switch command 4: Activate locking
- Switch command 5: No function



#### Button name area:

In this area the previously parameterized switch commands can be individually named.

##### Tip 1:

If the button name is not changed, the dormakaba standard name is always displayed in the detailed Visualization status.

- Switch command 1: Temporary unlocking
- Switch command 2: Long-term unlocking
- Switch command 3: Permanent unlocking
- Switch command 4: Locking



## Switch command 5: COMMAND 5

## Tip 2:

However, if the designation is changed, this will not apply to the "Area buttons".

## Tip 3:

If the switch commands are changed, they will be linked to the respective "Area buttons", but the designation of the area buttons is always the dormakaba standard designation.

## Button type area:

Selection of the execution mode for the respective function.

The buttons can be configured as a switch or a push button.

Standard value: Push button

A button sends an on signal when activated and an off signal automatically after one second.

A switch, however, sends an on signal when activated and an off signal when deactivated. The button has a display for signaling purposes.

## Example:

Static control unlocked as long as a signal is received.

A switch is available for this purpose.

The door is unlocked as long as the switch is activated.

## "Network variables" tab

Functions can be assigned to inputs and outputs on this tab.



## Note

Network variables can be used only in conjunction with the dormakaba LON module and a LON commissioning tool (such as IzoT CT).

## "Network variables" tab (only to be used with LON binding)

## Network variables inputs area

For selecting additional functions for the corresponding inputs 1-4.



## Note

An activated SNVT input in the LON module triggers a command telegram and with it the parameterized function in the door control unit.

## Network variables outputs area

For selecting additional functions for the corresponding outputs 1-4.



## Note

The parameterized function in the door control unit triggers a command telegram that activates a SNVT (standard network variable) in the LON module.

## 6.6 "Input/output module" tab (SCU-UP/DR types SCU-Standard/Premium)

The door control unit can be fitted with up to four additional I/O DCW modules beside the internal module.

The number of available I/O modules depends on the number of connected doors (multi-door control).

## 1 door

All I/O modules are assigned to door 1.

## 2 door control units

I/O module 1, 4, door 1

I/O module 2, 3, door 2

## 3 door control units

I/O module 1, 4, door 1

I/O module 2, door 2

I/O module 3, door 3

## 4 door control units

I/O module 1, door 1

I/O module 2, door 2  
I/O module 3, door 3  
I/O module 4, door 4

The modules are given default values by dormakaba.

The functions of the additional installed external I/O DCW modules of the door control unit can be changed on the Input/Output module tab.

The inputs and outputs are controlled separately for each available module.



#### Note

The inputs and outputs can be given user-defined names. This description is also displayed in the Visualization of the IO module.

Right-click on the respective input or output and enter the desired description.

Confirm with the Enter key.

The named input or output is shown in red.

This tab contains a separate tab for every connected I/O module.

Tip:

If you are in offline mode (TMS Soft has not yet been connected with a door), all theoretically available I/O modules are displayed according to the above schema.

This is an example image for a single-door control unit in offline mode with four I/O modules.

Inputs 1–4 area:

Selection of the inputs 1 ... 4 of the I/O module.

Outputs area

Output 1-4: Selection of the functions selected at the outputs 1 ... 4 of the I/O module selected functions

Mode area

Selection of the function mode of the accompanying outputs.



#### Note

Further information on the modes can be found under Function modes at outputs (classic parameterization interface).

Time setting area

Time in secs:

Enter a time period in seconds for the function.

A time can only be specified for the monoflop function, switch-on delay or flashing mode monoflop.

Values: 1 ... 255 s; standard value: 1 s

## 6.7 "Timer" tab

You can specify time zones and their assigned functions on this tab.  
Public holidays and other special days can be used for each device.



### Note

For more information, see the [main tab - Templates](#).

The Timer tab contains six sub-menus.

### 6.7.1.1 "Settings" tab

Check the box to use the PC as a timer.



### Note

The "TMS-PC gateway" service must not be terminated. The TMS-PC gateway sends to the respective doors the "permanent unlocking" and "locking" command depending on the set time interval.

### 6.7.1.2 "Date/time" tab in TMS Soft

Checking all the check boxes on this tab will automatically apply the system time and daylight saving time. Alternatively, the date can be set, transferred and read manually. The time will always be transferred with the current PC time.

#### Date/time area for door

Read the date and time from the door:

Reads the current time from the hardware on the door.

Date/time:

For manual entry of the date.

Manually entered data must be manually sent to the devices using the Transfer button.

Alternatively, the date, time and daylight saving time can also be separately transmitted. To do this, uncheck the "Send date, time and daylight saving time from TMS to the door" box.

Daylight saving time area

Use daylight saving time:

Specifies whether the time should be switched between daylight saving time and standard time.

Automatically set daylight saving time:

If the checkbox is activated, the Central European changeover data is automatically obtained from the system.

If the checkbox is deactivated, it is possible to enter the start and end manually.

#### Date and time area in TMS Soft

The current date and time of the computer are displayed here.

Settings area for transfer button

Here it is possible to specify what should happen when clicking on the Transfer button.

If the box is checked, the current date and time of the computer as well as the daylight saving time setting will be sent to the door with all other parameter settings when the Transfer button is clicked.

If the box is not checked, only the parameter settings without date, time and daylight saving time settings will be sent.

The current date and time of the computer as well as the daylight saving time settings can then be sent to the door using the "Transfer date / time / daylight saving time" button.



### Note

If you work with time zones, the data for the start and end of daylight saving time must also be transferred once a year before the start of daylight saving time.

### 6.7.1.3 "Weekly program" tab

Weekly schedule selection field:

Selection of the weekly schedule to be used for the device.

Selection:

All weekly and daily schedules stored in the [main tab - Template](#).



#### Note

Several time windows and special days can be stored using the PC time switch.

When the internal timer is used, only the first two time slots will be used in the case of TMS devices, even if more time slots have been assigned

SafeRoute devices can use up to 20 time slots.

Info area:

Shows the contents of the weekly schedule.



#### Note

The schedules and time windows displayed depend on the time switch variant used (internal or PC time switch).

### 6.7.1.4 "Public holidays/special days" tab

Which public holidays and special days should be used for the time control are defined on this tab.

Public holidays can be parameterized via the Templates tab > ["Public holidays / special days" tab](#).

Special days/public holidays are days on which activation of the function is prevented (no time window) or on which other time windows are valid for the PC time switch.



#### Note

The schedules and time windows displayed depend on the time switch variant used (internal or PC time switch).

Delete:

Deletes all marked entries from the list.

Insert:

Opens the template from which more public holidays/special days can be added.

Standard public holidays:

Inserts all nationwide public holidays in Germany.

### 6.7.1.5 "Holidays/Special areas" tab

Which public holidays and special areas should be used for the time control are defined on this tab.

The vacations / special areas are parameterized under the Template tab > ["Vacations / Special areas" tab](#).

Remove:

Deletes all marked entries from the list.

Insert:

Opens the template from which more Holidays/special areas can be added.

Weekly schedule:

Selection of the weekly schedule to be used for the selected Special days/holidays.

Selection:

All weekly and daily schedules stored in the [main tab - Template](#).

### 6.7.1.6 "Functions" tab

By using the internal time switch various functions can be parameterized for the time switch outputs.

By using the PC time switch the function "permanent unlocking" is always executed.

### 6.7.2 "Service" tab (SCU-UP/DR types, SCU-Standard/Premium)

Password area for parameterization interface:

For entering an access code for communication with the SCU central unit or SCU door.

Click on the >> button, to enter a password.

Values:

6 numerical characters

Tip:

You can activate the password query via the [Communication main tab](#) and thus lock the SCU device interface. After that, no parameters can be read or transferred. Status messages and control commands are still possible.

"Maintenance" tab

On this tab you can set whether a maintenance notification should appear.

Maintenance notification area

Activate maintenance notification:

Specifies whether or not a maintenance due date is monitored.

If maintenance is due, the yellow LED displays of the SCU emergency button and the yellow LED display "Maintenance according to EltVTR necessary" in Visualization flash.

Maintenance alarm on:

Shows the due date of the next maintenance.

A maintenance appointment will always be generated on the 15th of the month and the alarm will always start on the first of the month, so 15 days prior.



#### Note

The "Delete maintenance alarm" function can be carried out by turning a key switch to the left or right, with the corresponding parameterization.

Please note that the key must be held for 15 s for this.

### 6.7.3 "SCU-UP" tab (SCU-UP devices)

The door control unit can be fitted with up to four additional emergency buttons besides the internal SCU emergency button.

The number of available emergency buttons depends on the number of connected doors (multi-door control).

Parameterization of the internal SCU emergency button is done on this tab.

The additional SCU emergency buttons are parameterized on the SCU emergency button tab.

Parameter area

RGB-LED light ring:

Specifies the brightness of the LED ring.

Values 0 to 255 can be selected.

Standard value: 255 maximum brightness



#### Note

If a brightness value lower than 255 is set, the illuminated ring is reversed to full brightness in the event of temporary unlocking.

The locking status is displayed at full brightness for 5 s and it is then reduced to the set value.

According to EltVTR and EN 13637, a value of "0" is not permitted.

Approval is possible within the framework of a ZIE (approval in individual cases) by the highest building authority.

Tamper switch internal key switch area

Deactivate tamper:

By clicking this option, the tamper evaluation for the internal key switch is deactivated.

Standard value: activated.

Key switch area → Left keying

Left keying of the SCU-UP central unit can be assigned up to two functions. Standard values:

1. Function: Lock (S)
2. Function: Delete maintenance alarm

Tip:

To delete the maintenance alarm the key switch must be held in the left position for 15 s. This is the default parameterization.

Key switch area → Right keying

Right keying of the SCU-UP central unit can be assigned up to three functions. Standard values:

1. Function: Temporary/long-term/permanent unlocking M1 (E).

- 2. Function: Alarm acknowledgment (S)
- 3. Function: No function

#### I/O module area inputs area

##### Input 1-2:

Selection of the functions to the inputs 1 ... 2

Standard values:

Input 1: Static control

Input 2: no function



#### Note

In Standard input 2 is preprogrammed to the security-relevant parameter "Alarm system". This parameter can be changed via the SafeRoute configuration software to "Deactivate alarm system".

#### Outputs area

##### Output 1-3:

Selection of the functions to the outputs 1 ... 2

Standard values:

Output 1: Locked active

Output 2: Common alarm (A)

Output 1G: PR module test

#### Mode area

Selection of the mode of function of the accompanying outputs or inputs.



#### Note

Further information on the modes can be found under the topic of Function modes at outputs (classic parameterization interface).

#### Time setting area

##### Time in secs:

Enter a time period in seconds for the function. Time specification is only possible for the signal delay or signal extension modes.

Values: 1 ... 255 s;

Standard value: 1 s

### 6.7.4 "SCU-DR" tab (SCU-DR devices)

The SCU-DR central unit does not have an internal emergency button, but does have an internal 4-way I/O module.

#### DR tampering input area

Deactivate anti-tamper alarm for the corresponding emergency button:

By clicking this option, the internal tamper contact is deactivated.

#### I/O module area

The number of available inputs and outputs I/O-DR module depends on the number of doors (multi-door control unit) connected to the control unit.

##### 1 door

All inputs and outputs are assigned to door 1.

##### 2 door control units

Input/output 1, 4, door 1

Input/output 2, 3, door 2

##### 3 door control units

Input/output 1, 4, door 1

Input/output 2, door 2

Input/output 3, door 3

##### 4 door control units

Input/output 1, door 1

Input/output 2, door 2

Input/output 3, door 3

Input/output 4, door 4

#### Inputs area

## Input 1-4:

Selection of inputs 1 ... 4 of the I/O module.

Standard values:

Input 1: static control

Input 2: Temporary unlocking M1 (E)

Input 3: no function

Input 4: Permanent unlocking (E)

## Outputs area

## Output 1-4:

Selection of the functions selected at the outputs 1 ... 4 of the I/O module selected functions

Standard values:

Output 1: Common alarm (A)

Output 2: Emergency button pressed (A)

Output 3: No function

Output 4: No function

## Mode area

Selection of the function mode of the accompanying outputs.

Standard values:

Normal function On/Off



## Note

Further information on the modes can be found under the topic of Function modes at outputs (classic parameterization interface).

## Time setting area for outputs

## Time in secs:

Enter a time period in seconds. A time can only be entered for the "Flashing mode (permanent)", "Switch-on delay", "Monoflop function" and "Normal function on/off" modes.

Values: 1 ... 255 s;

Standard value: 1 s

### 6.7.5 "SCU emergency button" (SCU-UP/DR devices) tab

The door control unit can be fitted with up to four additional emergency buttons besides the internal SCU emergency button. The number of available emergency buttons depends on the number of connected doors (multi-door control). These emergency buttons are parameterized on these tabs.

The emergency buttons are assigned to the connected doors depending on their DCW addresses. In the case of active communication with the device, only the emergency buttons that are parameterized for the selected door will be displayed.

## 1 door

All emergency buttons are assigned to door 1.

## 2 door control units

Emergency button 1, 4, door 1

Emergency button 2, 3, door 2

## 3 door control units

Emergency button 1, 4, door 1

Emergency button 2, door 2

Emergency button 3, door 3

## 2 door control units

Emergency button 1, door 1

Emergency button 2, door 2

Emergency button 3, door 3

Emergency button 4, door 4



## Note

If the software is connected to a device, only the active emergency buttons are displayed.

## Parameter area

## RGB-LED light ring:

Specifies the brightness of the LED ring.

Values 0 to 255 can be selected.

Standard value: 255

**Tamper switch internal key switch area****Deactivate tamper:**

By clicking this option, the internal tamper contact is deactivated.

Standard value: activated.

**Key switch area → Left keying**

Left keying of the SCU-UP central unit can be assigned up to two functions.

Standard values:

1. Function: Alarm acknowledgment (S)
2. Function: Delete maintenance alarm

**Key switch area → Right keying**

Right keying of the SCU-UP central unit can be assigned up to three functions.

Enable the functions by left keying > 15 s.

Standard values:

1. Function: Temporary/long-term/permanent unlocking M1 (E).
2. Function: Permanent unlocking (E)
3. Function: No function

**I/O module area inputs area****Input 1-2:**

Selection of the functions to the inputs 1 ... 2

Standard values:

Input 1: static control

Input 2: no function

**Note**

In Standard input 2 is preprogrammed to the security-relevant parameter "Alarm system". This parameter can be changed via the SafeRoute configuration software to "Deactivate alarm system".

**Outputs area****Output 1-3:**

Selection of the functions to the outputs 1 ... 2

Standard values:

Output 1: Locked active

Output 2: Common alarm (A)

Output 1G: PR module test

**Mode area**

Selection of the mode of function of the accompanying outputs or inputs.

**Note**

Further information on the modes can be found under the topic of Function modes at outputs (classic parameterization interface).

**Time setting area****Time in secs:**

Enter a time period in seconds for the function. Time specification is only possible for the signal delay or signal extension modes.

Values: 1 ... 255 s;

Standard value: 1 s

**6.7.6 "Alarm volume" tab**

The volume and deactivation of the alarm duration limit of all signal tones are specified on this tab.

**Alarm name:**

Name of the alarm type.

**Alarm duration limit:**

Specifies whether the acoustic alarm signal of the internal alarm siren is to be automatically switched off after the time specified for the duration of the main alarm.

Standard values: Activated

**Note**

Set the duration of the main alarm in the main tab "Unlocking" under "Alarm duration limit".



with automatic acknowledgment:

Specifies whether there should be automatic acknowledgment of the alarm after the end of the event (activated), or whether the alarm on the door must be acknowledged with a key switch (not activated).  
This function is not possible for main alarm types.  
Standard values: Only activated for main alarm

Volume:

Selection of the alarm volume Soft, medium, loud or off.  
Double click in a row to open the selection.  
Standard values: Loud



#### Note

The key combination Ctrl + a allows you to mark everything and right-click all alarms simultaneously in the volume at the same time.

### 6.7.7 "LED/Buzzer" tab (UP/DR types, SCU Standard/Premium)

The frequencies of the LEDs as well as the internal emergency button buzzer can be parameterized on this tab.

Green LED

Green LED frequency temporary unlocking (1 ... 5 Hz):  
Selection of a frequency for the green LED.  
Frequencies of between 1 and 5 can be selected in increments of 0.5.

Green LED PWM short-term unlocking (10 to 90%):

Selection of a pulse width within the set frequency.

Green LED frequency long-term unlocking (1 to 5 Hz):

Selection of a frequency for the green LED.  
Frequencies of between 1 and 5 can be selected in increments of 0.5.

Green LED PWM long-term unlocking (10 to 90%):

Selection of a pulse width within the set frequency.

Red LED

Deactivate the red LED frequency escape route function (1 ... 5 Hz):  
Selection of a frequency for the red LED.  
Frequencies of between 1 and 5 can be selected in increments of 0.5.

Deactivate red PWM escape route function (10 to 90%):

Selection of a pulse width within the set frequency.

Yellow LED

Yellow LED frequency error or alarm active (1 ... 5 Hz):  
Selection of a frequency for the yellow LED.  
Frequencies of between 1 and 5 can be selected in increments of 0.5.

Yellow LED PWM error or alarm active (10 to 90%):

Selection of a pulse width within the set frequency.

Blue LED

Blue LED frequency can be freely parameterized (1 ... 5 Hz):  
Selection of a frequency for the blue LED.  
Frequencies of between 1 and 5 can be selected in increments of 0.5.

Blue LED PWM can be parameterized freely (10 to 90%):

Selection of a pulse width within the set frequency.

Buzzer area

Piezo frequency alarm (1 ... 5 Hz):  
Selection of a frequency for the alarm.  
Frequencies of between 1 and 5 can be selected in increments of 0.5.

Piezo PWM alarm (10 to 90%):

Selection of a pulse width within the set frequency.

Piezo frequency time-delayed release active (1 to 5 Hz):

Selection of a frequency for the green LED.  
Frequencies of between 1 and 5 can be selected in increments of 0.5.

Piezo PWM time-delayed release active (10 to 90%):

Selection of a pulse width within the set frequency.

### 6.7.8 ID

Remove:

Removes groups from the window.

Insert:

Opens a context window and enables selection of groups with authorized ID



## Note

IDs are created in the templates.

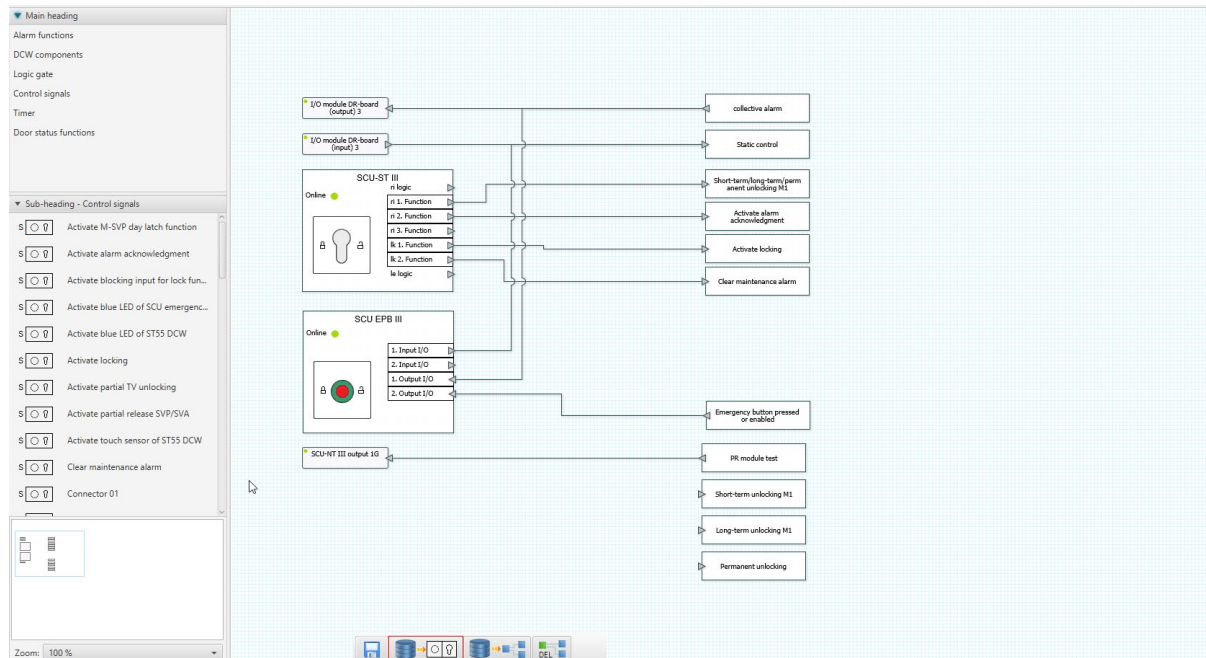
Each ID must be assigned to a group in order to be able to execute access functions.

Each SCU can manage up to 40 IDs.

### 6.7.9 GUI view

The GUI view is activated from the Basic license upward and enables graphical programming of SafeRoute devices.

The GUI view is divided into four areas:



Main heading: (1)

Selection of components and functions

Sub-heading: (2)

Selection, depending on the selection made in the main heading, drag and drop components or functions to the drawing area.

Navigation area: (3)

Navigate by dragging the window to the drawing area and selecting Zoom

Drawing area: (4)

Working area for connecting components and functions by means of graphical actions

Click on elements on the graphical interface to select them, or select several elements at the same time by left-clicking and dragging the elements to a window.

Marked elements are highlighted blue. This also applies to the connections.

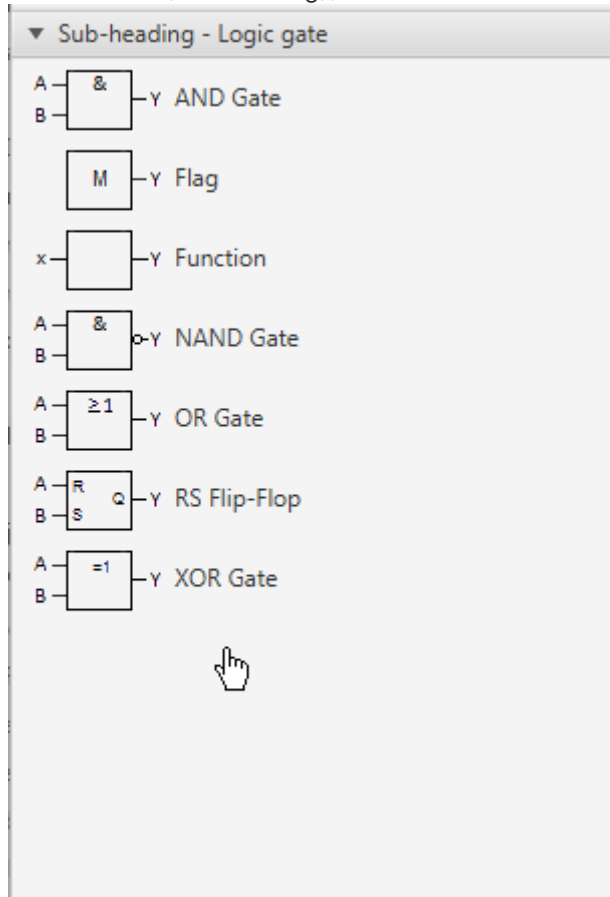
| Key combination     | Function                                      |
|---------------------|---|
| Ctrl + d            | Revoke all markings                           |
| Ctrl + a            | Mark all                                      |
| Ctrl + z            | Undo last changes                             |
| Ctrl + scroll wheel | Dynamically zoom                              |
| Ctrl + r            | Display marked elements as reference          |
| Ctrl + l            | Display marked elements as line               |
| Ctrl + b            | Display marked elements as line and reference |

## Logic components

For the standard license, activate the logic functions in the communication area by right-clicking on the door and clicking on "Applications > Logic > Activate" in the context menu.

For the Premium license, the logic functions are activated by default.

If you select "Logic gates" in the main heading, the available logic components will be displayed in the "Unterrubrik" (sub-heading), which are detailed below.



The gate is dragged from the sub-heading and dropped and positioned on the drawing area.

Right-click on the mouse to open the context menu and select "Properties".

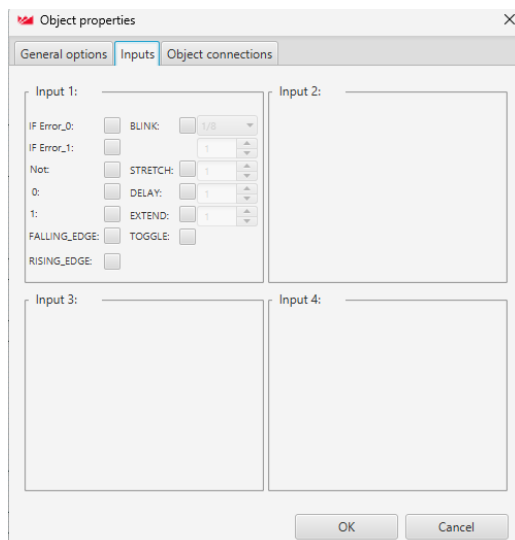
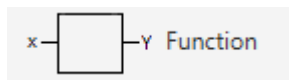
The "Name" field can be used to assign any name to the gate.

The drop-down field allows you to select the number of inputs (2-4).

The default setting is always two inputs

Click "OK" to accept the changes. Inputs at logic gates must not be open. Otherwise, the logic script reports an error.

The inputs can be predefined:



"If Error\_0" sets the value of the input to 0, if the source being activated or the DCW node is disrupted.

"If Error\_1" sets the value of the input to 1, if the source being activated or the DCW node is disrupted.

"Not" negates the input.

"0" specifies the input to the value 0.

"1" specifies the input to the value 1.

The gates in TMS Soft:

Notes are components, with which the door status functions or I/O inputs can be made available for any number of actions.

Each note is automatically defined in the case of positioning on a drawing level.

Right-click on the note to open the context menu and the note output can be created.

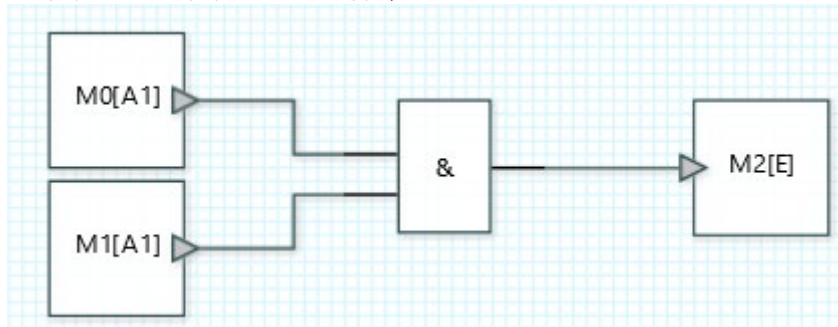


#### Note

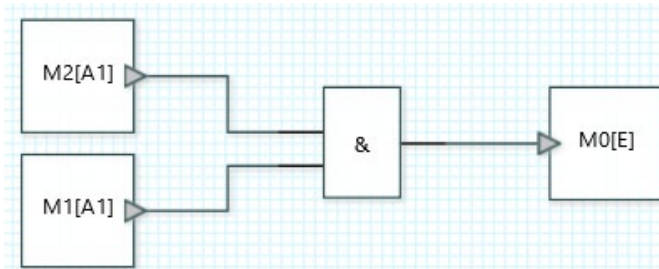
Notes are automatically assigned an ID when they are created. A note can only be defined by a note with a lower ID.

Example 1:

M3(O) AND M4(O) define M5(I) → OK



M4(O) AND M5(O) define M3(I) → NOT OK



#### Error

Hardware fault in emergency stop circuit

DCW bus fault

SVP lock fault

Logic execution error

Duplicate STV addresses

Duplicate SCU-NT addresses

#### Status

Logic execution error

Transmission error (logic incomplete)

Too many flags or undefined overused

Status memory full

Stack full

Signal not available

Input not available

Output not available

Byte position of the error

4132

Number of bytes still free on the stack

23

Number of free flags

50

Number of bytes for 'State' still free

150

(Functions BLINK, DELAY, ... consume 'States')

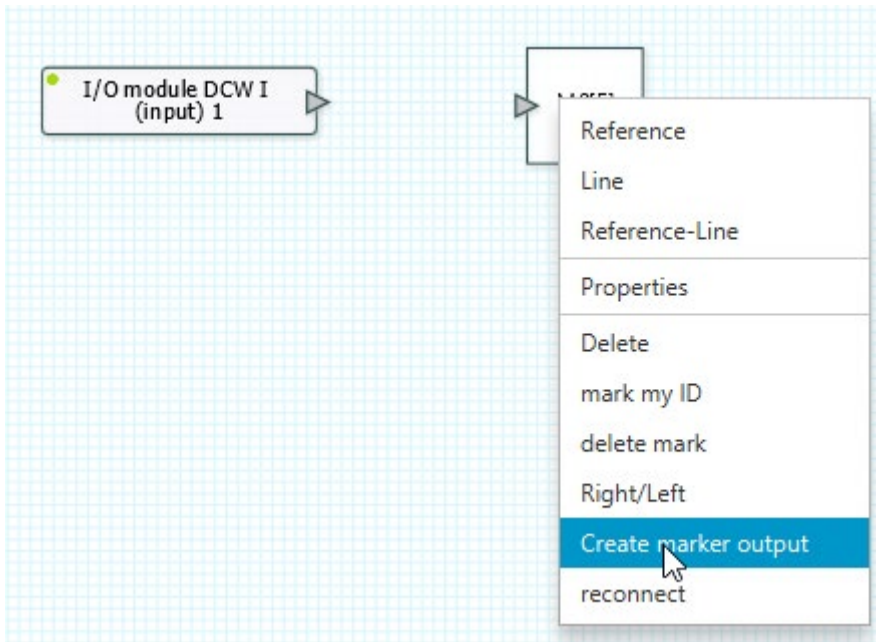
Number of bytes still free for script

986

## Example 2:

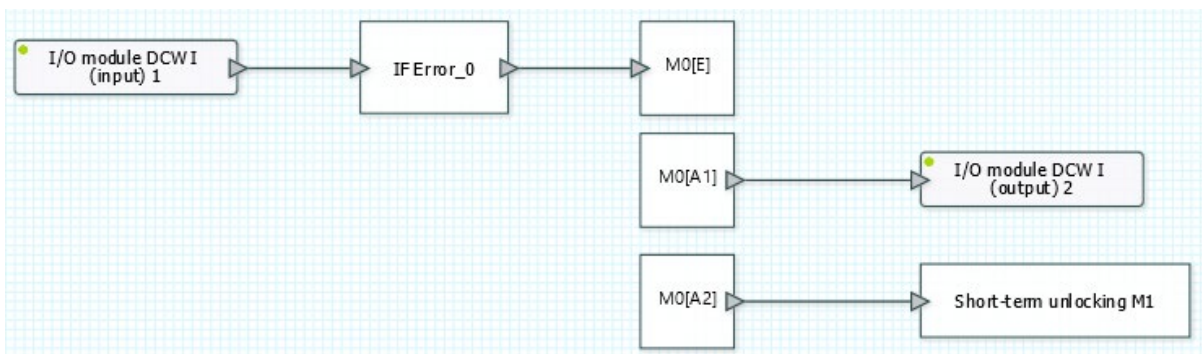
The I/O module input 4 should simultaneously switch output 1 on an I/O module and trigger temporary unlocking.

## Step 1

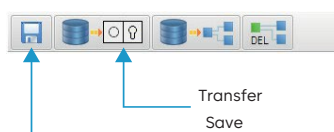


## Step 2

## Step 3



## Step 4



## Example 3:

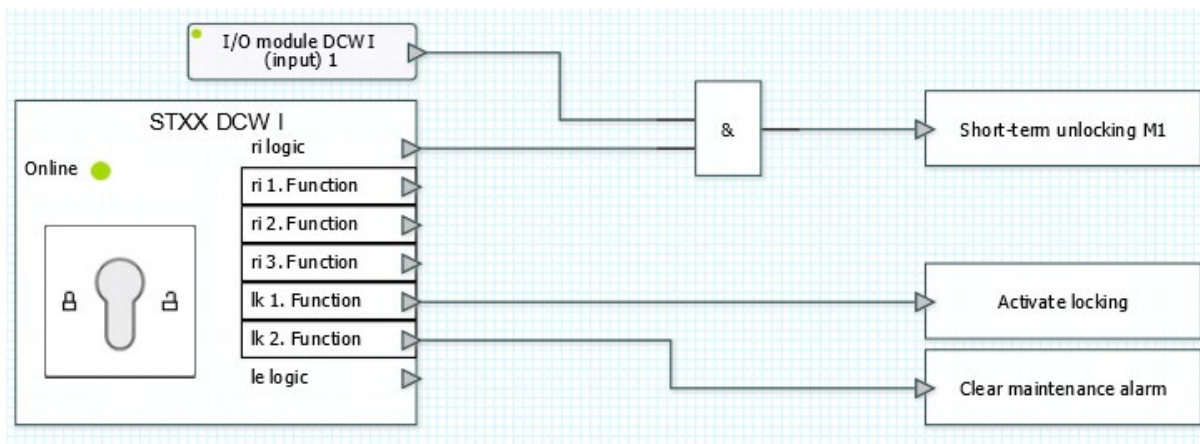
The function of a DCW key switch (ST 55 DCW LED) should only then execute a temporary unlocking if a burglar alarm system is deactivated.

For this purpose, it is necessary to connect the "inactive" burglar alarm system message to an input of an I/O module.

The key switch "right" AND the "EMA inactive" function trigger the temporary unlocking. Select the "DCW components" main heading and drag I/O module input 1 and DCW key switch ST xx DCW (address) to the drawing area.

In the main group, switch to "Logic gates" and drag an AND gate from the sub-group to the drawing area. From the sub-group of the "Control signals" main group, select temporary unlocking M1 and also drag the command to the drawing area.

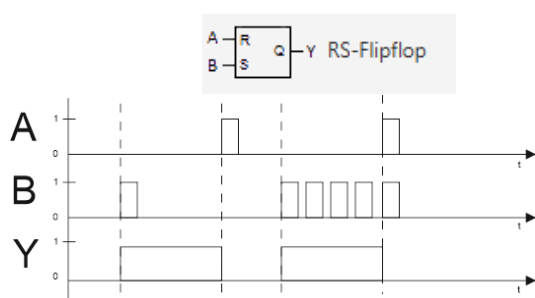




If the temporary unlocking command already exists in the drawing area, the input can be used multiple times.

Save and transfer the programming

### Memory gate (RS Flip Flop)

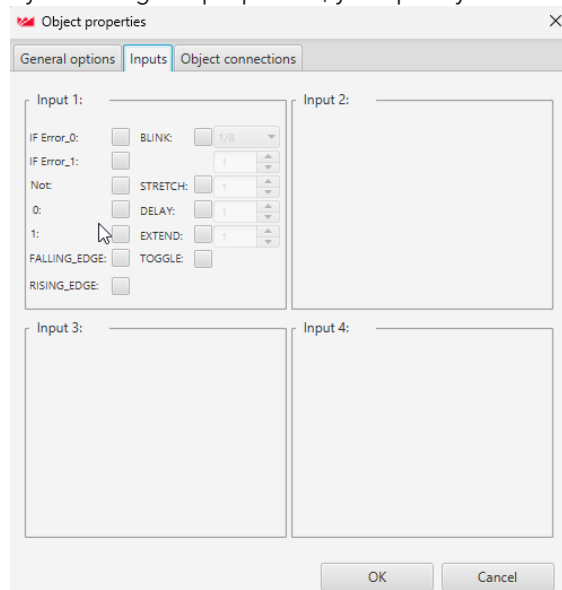


### Multifunctional gate



This logic component can be used at any point in the logic functions (before or after a logic function, a command or door status function).

By selecting the properties, you specify the function which is to be subsequently shown on the drawing sheet.



IF Error\_0

Sets the value to 0 if the status is defective or unknown.

IF Error\_1

Sets the value to 1 if the status is defective or unknown.



#### Note

If the bus connection is disturbed when a DCW I/O module is used, a fixed value is specified according to the described setting.

#### RISING\_EDGE

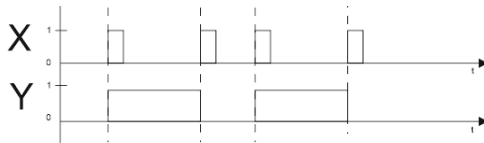
Responds to the rising edge.

#### FALLING\_EDGE

Responds to the falling edge.

#### TOGGLE

Has the function of a pulse switch. (Rising Edge)



0

Sets an input to 0.

This is used, for example, if you have defined an OR gate with four inputs but needed only three.

1

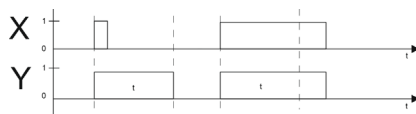
Sets an input to 1.

This is used, for example, if you have defined an AND gate with four inputs but needed only three.

#### STRETCH

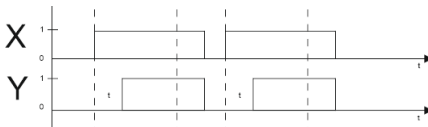
Extends a pulse by the set time (0.1 ... 409 s)

If the input pulse occurs for longer than the set time, the output will switch back in synchronization with the input.



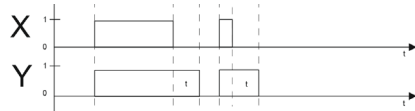
#### DELAY

Delays a pulse by the set time (0.1 to 409 s)



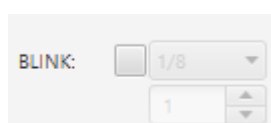
#### Extend

Extends a pulse by the set time (0.1 to 409 s)



#### BLINK

Repeating pulse, time basis 60 s



Impulse/break ratio

Switching operations/min = 1...511

#### NOT

Inverts the input

## 6.8 TMS device types

059915 45532 – 05/2025

TMS, TMS Basic and TMS Compact/Comfort count as TMS device types.

In the case of deviations of a TMS device type, a corresponding note will be available.

To map the extensive options of the TMS devices, the Parameter settings main tab has eight tabs for TMS devices, some of which are divided into further tabs.



#### Note

Individual functions may vary depending on the firmware and TMS type used.

### 6.8.1 "Unlocking" (TMS types) tab

On the Unlocking tab, you can specify the times for locking and unlocking, and the behavior of the alarm.

#### Relocking times area

##### Temporary unlocking (3 ... 180 s):

Sets the time for which a door remains unlocked after temporary unlocking.

After this time runs out the door locks automatically.

Values: 3 ... 180 s; standard value: 5 s

##### Long-term unlocking (5 ... 120 min):

Sets the time for which a door remains unlocked after long-term unlocking.

After this time runs out the door locks automatically.

Values: 5 ... 120 min; standard value: 5 min

#### Combined function

##### Long-term and permanent unlocking area

##### Activation of long-term unlocking (3 ... 20 s):

Specifies the time that an input with the combined functions "temporary/long-term/permanent unlocking" must be operated to trigger long-term unlocking.

Values: 3 ... 20 s; standard value: 8 s

##### Activation of permanent unlocking (5 ... 30 s):

Specifies the time that an input with the combined functions "temporary/long-term/permanent unlocking" must be operated to trigger permanent unlocking.

Values: 5 ... 30 s; standard value: 15 s



#### Note

The value for long-term unlocking (standard value: 8 secs) must always be smaller than the value for permanent unlocking (standard value: 15 s).

#### Temporary/long-term/ permanent unlocking area

By activating the check boxes, temporary, long-term and/or permanent unlocking for the combined functions of the device can be disabled.

#### Door open monitoring area

TMS devices support two independent monitoring times with short-term or long-term unlocking

##### Example:

Door - open - monitoring 1 for normal access (short monitoring time) on key switch 1 and Door - open - monitoring 2 for room cleaning (long monitoring time) on key switch 2.

##### Time to pre-alarm (5 ... 180 s):

Specifies how long the door should be open until the pre-alarm is triggered.

Values: 5 ... 180 s;

Standard value: 30 s

##### Duration pre-alarm (10 ... 475 s, TMS, TMS Compact/Comfort):

Specifies the time after which a pre-alarm is converted into a main alarm.

Values: 10 ... 475 s;

Standard value: 60 s

##### Duration pre-alarm (4 ... 475 s, TMS Basic):

Specifies the time after which a pre-alarm is converted into a main alarm.

Values: 4 ... 475 s;

Standard value: 60 s

#### Alarm duration limit area

##### Main alarm duration:

Specifies how long the internal alarm siren is active.

Values: 5 ... 255 s;

Standard value: 90 s

### 6.8.2 "Key switch" (TMS types) tab

On this tab you can assign functions to the key switches that can be triggered on site by pressing a key switch.



In addition to the internal key switch, you can use the additional tabs (ST I ... ST IV) to parameterize the functions of the additionally connected DCW key switches

**Note**

If the software is connected to a device, the LED displays on the tabs indicate whether a DCW module is connected:

Green = DCW module connected

Gray = not connected.

In this way, you can easily recognize whether the correct DCW component has been parameterized.

**Right-keying area**

The right keying on the internal key switch and ST I can be assigned up to 3 functions.

The right keying of the key switch ST II ... ST IV can only be assigned once.

Standard values:

1. Function: Temporary/long-term/ permanent unlocking M1 (E).
2. Function: Alarm acknowledgment (S)
3. Function: No function

**Left keying area (TMS, TMS Compact/Comfort)**

Left keying can only be assigned one function for all key switches.

Standard value: Lock (S).

**Left keying area (TMS Basic)**

The left keying on the internal key switch and ST I can be assigned any two functions.

Left keying on the ST II key switch ... ST IV can only be assigned once.

Standard values:

1. Function: Lock (S)
2. Function: No function

**Note**

If several functions are saved (type-dependent), they will always be executed simultaneously.

### 6.8.3 "SVP functions" (TMS types) tab

You can parameterize the functions of anti-panic locks on this tab.

Up to two SVP devices can be connected to a TMS device and their inputs and outputs can be assigned differently.

"Basic functions" tab

Unlock/Lock area

Unlocking via profile cylinder:

Selects the function that is triggered by unlocking via the profile cylinder.

Standard value: Temporary unlocking M1 (E).

Locking via SVP lock:

Selects the function that is triggered by locking via the SVP lock.

Standard value: No function.



#### Note

Thanks to logic functions, signals can be used for complex switching operations.

Functions area

Automatic SVP unlocking:

Specifies whether the SVP lock unlocks with temporary, long-term or permanent unlocking.

Standard value: Activated.

On-site alarm, if door handle operated:

Specifies whether an acoustic alarm should be triggered on site when the door handle is operated.

Standard value: Activated.

Block automatic SVP/ED unlocking if there is a smoke alarm:

Determines whether the automatic unlocking function is blocked for SVP and automatic drives so that smoke cannot spread in the event of fire protection door doors.



#### ATTENTION

This function must always be activated for fire protection doors.

SVP/ED unlocked if smoke alarm is pending (opening of air vents):

Specifies whether the door unlocks and opens automatically in the event of a smoke alarm by SVP and automatic operator (to extract smoke from the building) and closes automatically after the smoke alarm has ended.

Standard value: Activated.



#### ATTENTION

This function must be deactivated for fire protection doors.

SVP unlocking, when emergency button is pressed:

Specifies whether the SVP lock should unlock when the emergency button is pressed.

Standard value: Activated.

SVP type area:

Selects the operating principle of the engageable outer door handle on doors with an SVP 6xxx

"Input/Output SVP1 and SVP2" tab

Provided two SVP devices are connected to a TMS device, in these areas the assignment of inputs and outputs is determined for SVP1 and SVP2.

**Note**

In the case of active DCW modules, the LED display on the tab is green.

**Input area**

Input 1/2: Selection of the input 1 ... 2 of the SVP device.

**Output area**

Output 1/2: Selection of the output 1 ... 2 of the SVP device

**Mode area**

Selection of the function mode of output 1 ... 2

**Note**

Further information on the modes can be found under the topic of Function modes at outputs (classic parameterization interface).

**Time setting area**

Enter a time period in seconds for the function of outputs 1– 2. A time can only be specified for the monoflop function, switch-on delay or flashing mode monoflop.

Values: 1255 s;

Standard value: 1 s

**Note**

The inputs and outputs can be given user-defined names.

This description is also displayed in the Visualization of the SVP module.

Right-click on the respective input or output and enter the desired description.

Confirm with the Enter key.

The named input or output is shown in red.

### 6.8.4 "Special functions" (TMS types) tab

On this tab, parameterize the assignments of the inputs and connected external devices as well as the alarm volume and inputs and outputs of network variables.

If a ZM208 DCW module is to be connected, this is parameterized via an additional tab.

**Note**

Functions may vary depending on the device in question and the firmware version.

For TMS and TMS Compact/Comfort devices, this tab features five sub-tabs (if necessary another for the ZM208 DCW module).

The tab includes four sub-tabs for TMS Basic devices.

**"Miscellaneous" tab**

Connected external devices and the TMS interlock function are parameterized on this tab.

**External devices area**

Emergency switch is connected (to terminal X7):

Specifies whether an emergency switch is connected to terminal X7.

Smoke detector is connected (to terminal X7):

Specifies whether a smoke detector is connected to terminal X7.

**Note**

Smoke switches and emergency switches are connected as an opener contact.

The parameter "emergency switch is connected (to terminal X7)" requests an alarm acknowledgment after opening the contact via the key switch in the door terminal.

The "Smoke detector is connected (to terminal X7)" parameter automatically activates the escape door lock after the smoke alarm is reset.

Smoke detector connected via DCW/LON/LAN:

Specifies whether a smoke detector is connected via DCW, LON or LAN and is to be

evaluated via the door control unit.

If the check box is not activated all input signals parameterized with the "GMA/BMA smoke detector (E)" function are ignored.

DCW:

A smoke detector is connected to an input of the I/O DCW module and the input is parameterized as GMA/BMA smoke detector (E).

LAN/LON:

A smoke alarm is reported by the TE25 device, the TMS PC gateway checks whether the "GMA/BMA smoke detector (E)" function has been selected in the "Network variables" menu for "nviTMSFunktion1 to 4" and whether the TMS control unit is assigned to the TE25. Only then will the smoke alarm be forwarded to the TMS devices.

LON:

A smoke alarm is reported by LON binding.

External tamper contact:

Specifies whether an external tamper contact is connected to the TMS device via an I/O module.

It is only when this function is activated that the inputs of the I/O module will be assessed with the "tamper" function.

TMS interlock function area

Interlock/separate function:

Selection of the function that is to be triggered under interlock conditions.

Standard value is temporary unlocking M1 (E)

Door contact area

External door contact:

Specifies whether an external door contact is connected to the TMS device via an I/O module.

It is only when this function is activated that the inputs of the I/O module will be assessed with the "door contact" function.

Relocking via door contact (TMS, TMS Comfort/Compact):

Specifies whether early relocking takes place in case of temporary or long-term unlocking via the door contact.

The door closes before the set unlocking time expires.

Special operating modes area (TMS Basic)

Special operating mode 1:

Specifies whether a special operating mode should be used.

Special operating mode type:

Selection of the type when using a special operating mode.

|             |
|-------------|
| <b>Note</b> |
|-------------|

|   |
|---|
| The special operating mode is only used for special projects by Applications Engineering. |
|---|

TV operating mode area

When using more than one door lock on a door, the LED display is only shown red if all locks report the "locked" status. (Standard for RZ TMS 2 and TL - S TMS 2)

When using more than one door lock on a door, the LED display is only shown red if at least one lock reports the "locked" status. The yellow LED also flashes until all locks report the "locked" status. (Standard for TMS Comfort and TL - S TMS Basic)

"TMS Soft switch commands" tab

The switch commands for remote control of the door control units from the Visualization main tab are activated or deactivated under this tab.

TMS switch commands from PC area

Command 1 "temporary unlocking":

Specifies whether the switching command for remote control of the temporary unlocking is active.

Standard value: Activated.

Command 2 "long-term unlocking":

Specifies whether the switching command for remote control of the long-term unlocking is active.

Standard value: Activated.

Command 3 "permanent unlocking":

Specifies whether the switching command for remote control of the permanent unlocking is active.

Standard value: Activated.

Command 4 "locking":

Specifies whether the switching command for remote control of the locking function is

active.

Standard value: Activated.

Command 5 "function":

Selection of an additional function for the remote control, which can be triggered via the additional 5th button.

Standard value: No function.

Button name:

For freely entering a name for the additional remote control function. This text is shown on the button.

Button area "Command 5"

Selection of the execution mode for the additional function.

The buttons can be configured as a switch or a push button.

Standard value: Switch.

#### "Alarm volume" tab

This tab specifies the duration and volume of all signal tones.

Alarm name:

Name of the alarm type.

Alarm duration:

Specifies whether the acoustic alarm signal of the internal alarm siren is to be automatically switched off after the time specified for the duration of the main alarm.

Standard values: Activated.

with automatic acknowledgment:

Specifies whether there should be automatic acknowledgment of the alarm after the end of the event (activated), or whether the alarm on the door must be acknowledged with a key switch (not activated).

This function is not possible for main alarm types.

Standard values: Only activated for main alarm.



#### Note

In TMS BASIC, the function is possible for:

"Tamper alarm housing", "tamper alarm break-in", "smoke alarm".

Volume:

Selection of the alarm volume

Soft, medium, loud or off.

Double click in a row to open the selection.

Standard values: Loud.

#### "Access control" tab

The special functions for dormakaba access control are determined on this tab.



#### Note

This tab is only available for TMS and TMS Compact/Comfort.

In the access software dormakaba CCSOFT as well as dormakaba MATRIX, special function 1 or 2 and special function 3 can be assigned to a person (ID). If the ID is presented to a DCW reader, the device activates the set function.

Special functions area

Special function 1 to 3:

To select the stored functions for special authorization.

Door lock area

Simulate DL:

This check box must be selected if the TMS central unit is to be operated only as access control.



#### Note

The simulation only works if DLs are not connected via the DCW bus.

Operation is possible with or without an external door contact. If a door contact is not used, the door lock (simulated) will switch the Unlock/Lock commands accordingly.

If an external door contact is activated as a special function, the door lock (simulated) will switch off when it is unlocked independently of the door contact.

In the case of the "Lock" command, the door lock (simulated) will be activated only once the door contact reports "DOOR CLOSED".

Door open monitoring is active.

If the door is opened without an unlocking command, a tamper alarm is triggered.

#### "Network variables" tab

Functions can be assigned to inputs and outputs on this tab.



#### Note

Network variables can be used in only conjunction with the dormakaba LON module and a LON commissioning tool (such as Open LNS, IzoT).

#### Network variables inputs area

For selecting additional functions for the corresponding inputs 1-4.



#### Note

An activated SNVT input in the LON module triggers a command telegram and with it the parameterized function in the door control unit.

#### Network variables outputs area

For selecting additional functions for the corresponding outputs 1-4.



#### Note

The parameterized function in the door control unit triggers a command telegram that activates an SNVT.

#### "ZM208 DCW" tab



#### Note

This tab is only available for TMS and TMS Compact/Comfort. If the corresponding authorization exists, you will receive an enable code from dormakaba to enable this tab.

#### Delay times area

First temporal stage T1 (8 ... 15 s):

Specifies the time for which a door remains locked after pressing an emergency button. After this time runs out the door unlocks automatically or remains locked if the second delay has started.

Values: 8 ... 255 s; standard value: 8 s

Following a warning, a value greater than 15 s (max.permissible value acc. to EN 13637) can be set.

Allow second time delay:

Specifies whether a second stage is allowed.

Second time stage T2 (1 to 180 s):

Specifies the time for which a door remains locked after pressing an emergency button and after the first temporal stage.

After this time runs out the door unlocks automatically.

A second temporal stage is not allowed according to EN 13637 if the first temporal stage is greater than 8 s. A corresponding warning is issued.

Values: 1 ... 255 s; standard value: 180 s

After a warning, a value greater than 180 s (max. permissible value according to EN 13637) can be set.

#### "Input/Output module" (TMS types) tab

The door control unit can be fitted with up to four additional I/O-DCW modules beside the internal module. These modules are pre-programmed by dormakaba as follows:

Module 1: Panel function

Module 2: General function

Module 3: Interlock function

Module 4: Automatic function.

Only TMS Basic devices offer the option of additionally connecting 2 x 15 inputs and 2 x 15 outputs, which are parameterized via separate tabs.

On the Input-/Output module tab the data of the internal and additional installed external I/O DCW modules of the door control unit run together and can be correspondingly changed.

The inputs and outputs are controlled separately for each available module.



#### Note

The inputs and outputs can be given user-defined names. This description is also displayed in the Visualization of the IO module.

Right-click on the respective input or output and enter the desired description.

Confirm with the Enter key. The named input or output is shown in red.

This tab features a sub-menu for each module.

Modules which are actually connected and in operation are marked with a green LED display.



#### ATTENTION

For each door ensure that you only make entries for I/O modules which are actually installed. TMS Soft "overwrites" the default settings made via DIP switch!

#### "Internal module" tab

Inputs 1–2 area:

Selection of the inputs 1 ... functions selected at inputs 1 to 2 of the TMS device  
Outputs 1–2 area:  
Selection of the functions selected at the outputs 1 ... 2 of the TMS device  
Mode for inputs area

Selection of the mode of function of the accompanying input. Signal delay or extension can be selected in addition to standard mode.



#### Note

For more information, see the topic [Signal delay for input signals](#).

Time setting area for inputs

Time in secs:

Enter a time period in seconds for the function

Time specification is only possible for the signal extension and signal delay modes.

Values: 1 ... 255 s; standard value: 1 s

Mode for outputs area

Selection of the function mode of the accompanying outputs.



#### Note

Further information on the modes can be found under the topic of Function modes at outputs (classic parameterization interface).

Time setting area for outputs

Time in secs:

Enter a time period in seconds for the function

A time can only be specified for the monoflop function, switch-on delay or flashing mode monoflop.

Values: 1 ... 255 s; standard value: 1 s

#### Tab "Module 1" ... "Module 4"

Inputs and outputs are assigned to the DCW modules on these tabs.

Inputs 1–4 area:

Selection of the inputs 1 ... 4 of the I/O module.

Outputs area

Output 1-4:

Selection of the functions selected at the outputs 1 ... 4 of the I/O module selected functions

Mode area

Selection of the function mode of the accompanying output



#### Note

Further information on the modes can be found under the topic of Function modes at outputs (classic parameterization interface).

Time setting area for outputs

Time in secs:

Enter a time period in seconds for the function. Designating a time is only possible for the monoflop function, switch-on delay or monoflop flashing mode.

Values: 1 ... 255 s; standard value: 1 s

#### Tab "I/O-4 Module 1" ... "I/O-4 Module 4" (TMS Basic)

Inputs and outputs are assigned to the I/O-4 modules on these tabs.

Inputs 1–4 area:

Selection of the inputs 1 ... 4 of the I/O module.

Outputs area

Output 1-4: Selection of the functions selected at the outputs 1 ... 4 of the I/O module selected functions

Mode area

Selection of the function mode of the accompanying outputs.



#### Note

Further information on the modes can be found under the topic of Function modes at outputs (classic parameterization interface).

Time setting area for outputs

Time in secs:

Enter a time period in seconds for the function. Designating a time is only possible for the monoflop function, switch-on delay or monoflop flashing mode.

Values: 1 ... 255 s; standard value: 1 s

#### "O-15 Module 1" and "O-15 Module 2" tabs (TMS Basic)

An additional 15 outputs can be assigned on these tabs.

#### "I-15 Module 1" and "I-15 Module 2" tabs (TMS Basic)

An additional 15 inputs can be assigned on these tabs.

Inputs 1–15 area:

Selection of the inputs 1 ... 15 of the I/O module.

#### "O-15 Module 1" and "O-15 Module 2" tabs (TMS Basic)

An additional 15 outputs can be assigned on these tabs.

Outputs area

Outputs 1–15: Selection of the functions selected at the outputs 1 ... 15 of the I/O module.

### 6.8.5 "Logic functions" (TMS types) tab

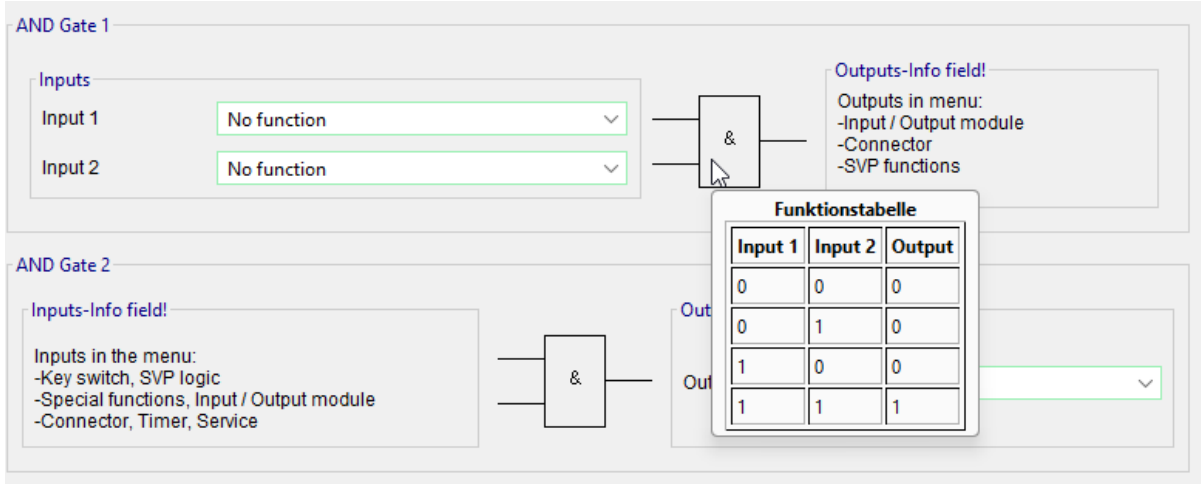
The logic functions are primarily used for bundling, processing and forwarding of signals.

They may include reference to another gate or originate from the Connectors function group.

On this tab, you can define logic functions for inputs and outputs of the AND logic, NAND logic and OR logic.

Additional modules are also available for switching signals via the CONNECTOR logic, MEMORY logic and PULSE SWITCH logic.

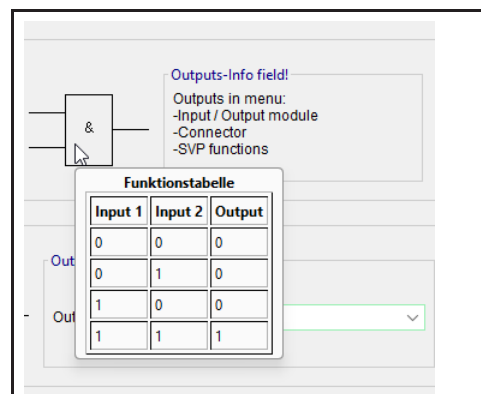






Note

Click with the mouse on the stylized logic connection to show the respective function tables or pulse diagrams.



This tab features a separate sub-menu for each logic type.

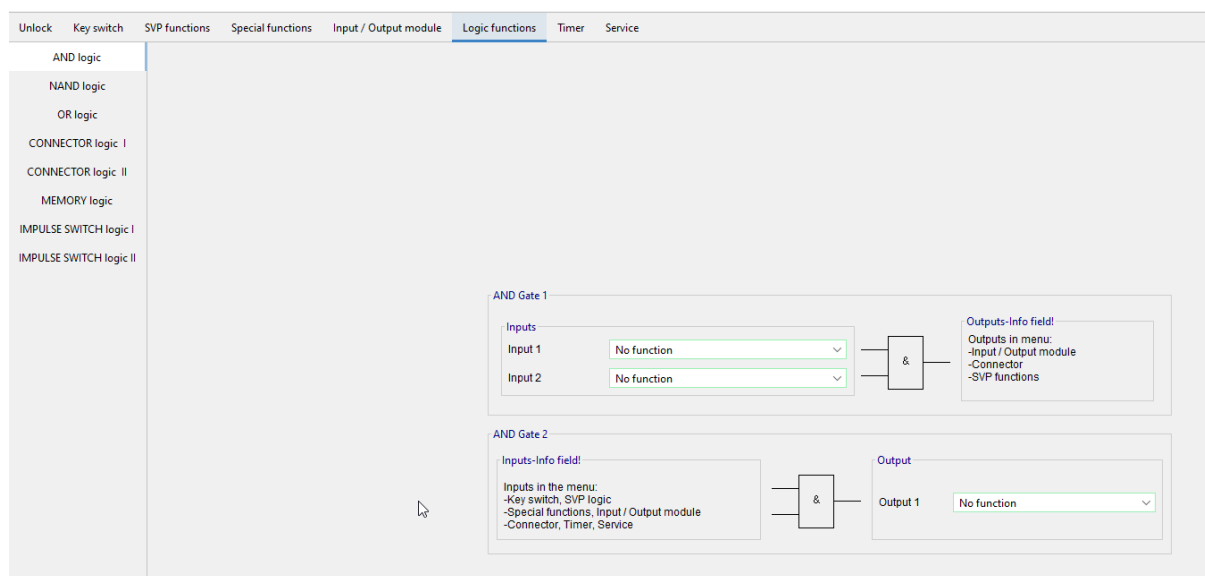
### "AND logic" tab

Two gates are available for AND logic.

If the stored signal is present at input 1 and input 2 of a gate, the TMS central unit switches a signal at the defined output.

Function table

| I1 | I2 | A |
|----|----|---|
| 0  | 0  | 0 |
| 0  | 1  | 0 |
| 1  | 0  | 0 |
| 1  | 1  | 1 |



### AND gate 1 area

For AND gate 1, select inputs 1 and 2 on the AND logic tab.

Select the output in a Logic tab or the Input/Output module, Connector logic or SVP functions tabs in the corresponding selection fields.

Input 1:

Selection of the first signal of the "AND" function.

Input 2:

Selection of the second signal of the "AND" function.

## AND gate 2 area

For AND gate 2, select inputs 1 and 2 in a logic tab or on one of the Key switches, SVP functions, Special functions, Input/Output module, Time switch, Connector logic or Service tabs in the corresponding selection fields.

Output 1:

Selection of the signal for the output of the "AND" function.

Example configuration

"Trigger alarm acknowledgment through key switch" (AND)

You need to trigger the "Alarm acknowledgment" function (double verification principle) by simultaneously pressing two key switches. Proceed as follows:

On the Key switch tab, assign a function with "AND gate 2 (E)1" for the internal key switch.

Assign a function with "AND gate 2 (E)2" for an additional key switch.

On the Logic functions tab, on the AND logic tab for Output 1, select the "Alarm acknowledgment" function.

Click the Save button and then on Transfer.

## "NAND logic" tab

Two gates are available for NAND logic.

If a signal is present at input 1 and input 2 of a gate, the TMS central unit does not switch a signal at the defined output.

If there is no or just one signal at the inputs, the TMS central unit switches a signal at the defined output.

Function table

| I1 | I2 | A |
|----|----|---|
| 0  | 0  | 1 |
| 0  | 1  | 1 |
| 1  | 0  | 1 |
| 1  | 1  | 0 |

## NAND gate 1 area

For NAND gate 1, select inputs 1 and 2 on the NAND logic tab.

Select the output in a Logic tab or the Input/Output module, Connector logic or SVP functions tabs in the corresponding selection fields.

Input 1:

Selection of the first signal of the "NAND" function in NAND gate 1.

Input 2:

Selection of the second signal of the "NAND" function in NAND gate 1.

## NAND gate 2 area

For NAND gate 2, select inputs 1 and 2 in a logic tab or on one of the Key switches, SVP functions, Special functions, Input-/Output module, Time switch, Connector logic or Service tabs in the corresponding selection fields.

Output 1:

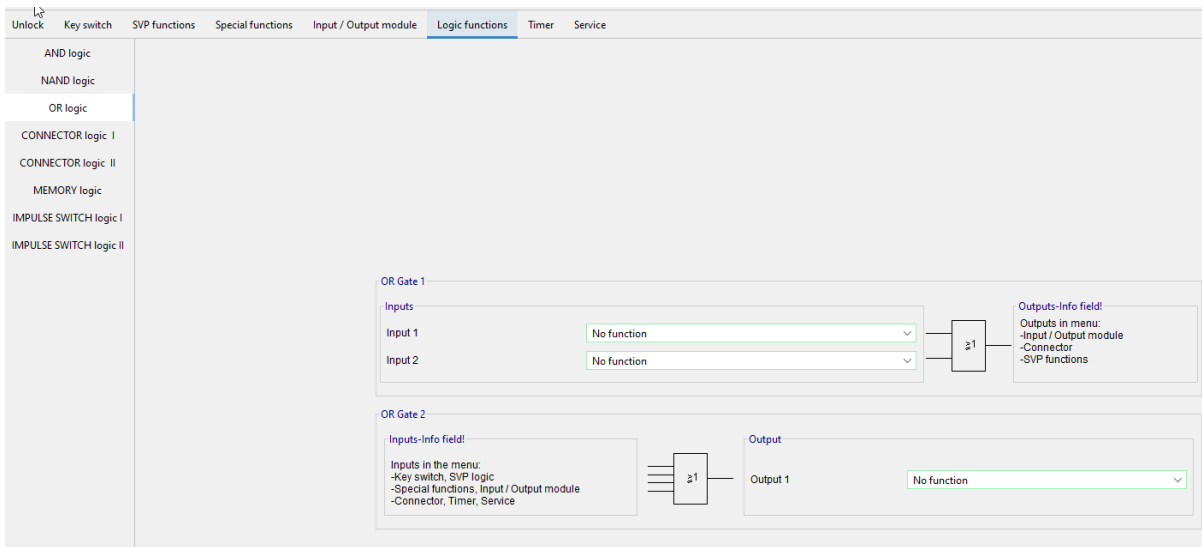
Selection of the signal for the output of the "NAND" function in NAND gate 2.

## "OR logic" tab

Two gates are available for OR logic. If a signal is present at input 1 or input 2 of a gate, the TMS central unit switches a signal at the defined output.

Function table

| I1 | I2 | A |
|----|----|---|
| 0  | 0  | 0 |
| 0  | 1  | 1 |
| 1  | 0  | 1 |
| 1  | 1  | 1 |



#### OR gate 1 area

For OR gate 1, select inputs 1 and 2 on the OR logic tab.

Select the output on the CONNECTOR logic tab or on the Input/Output module or SVP functions tabs in the corresponding selection fields.

Input 1:

Selection of the first signal of the "OR" function in OR gate 1.

Input 2:

Selection of the second signal of the "OR" function in OR gate 1.

TMS Basic devices have four inputs.

#### OR gate 2 area

For OR gate 2, select inputs 1 and 2 in a CONNECTOR logic tab or on one of the Key switches, SVP functions, Special functions, Input-/Output module, Time switch or Service tabs in the corresponding selection fields.

Output 1:

Selection of the signal for the output of the "OR" function in OR gate 2.

INFO:

Four OR gates are available in the TMS Basic version.

#### Example configuration "Additional flashing display during alarm" (OR)

You need to set up a flashing display for the case of a main alarm or alarm trigger via the emergency button. Proceed as follows:

On the Logic functions tab, on the OR logic tab for Input 1 and Input 2, select the functions that are to trigger flashing, such as "Main alarm" and "Emergency button pressed".

On the Input-/Output Module tab on the Module 1 tab, select the "OR gate 1 (A)" function for the corresponding output and select the desired flashing mode for Mode.

Click the Save button and then on Transfer.

#### "CONNECTOR logic" tab

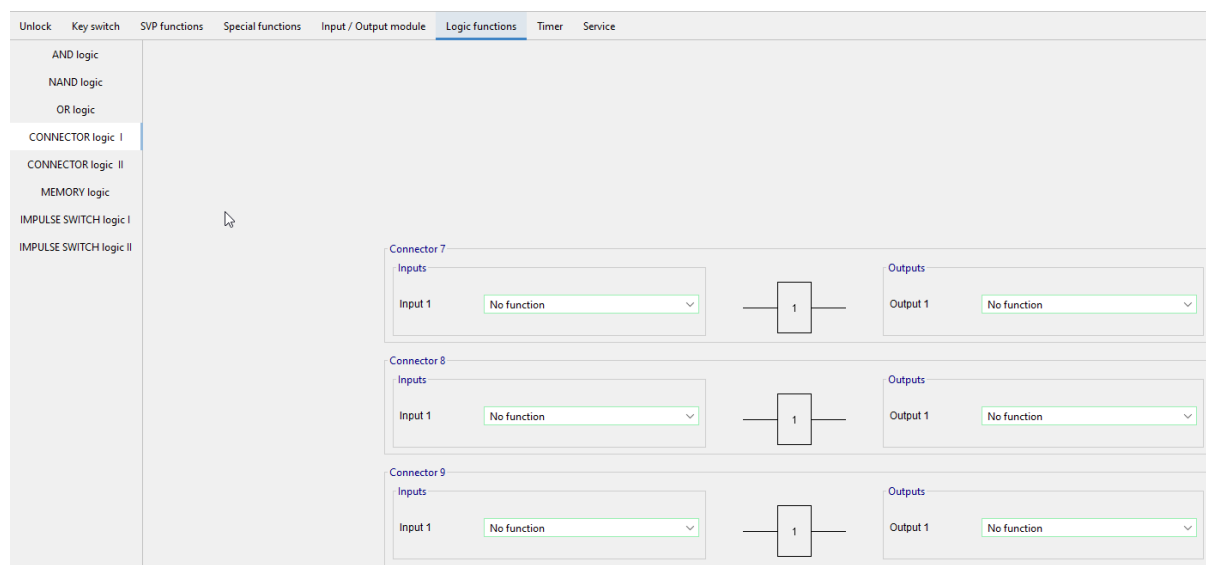
The available connectors can receive internal or external signals (I/O modules) and forward (connect) these.

The connectors 7 ... 10 are available for TMS and TMS Compact/Comfort.

TMS Basic devices also have the connectors 17 ... 20, which are parameterized on a separate tab.

Function table

| I1 | A1 |
|----|----|
| 0  | 0  |
| 1  | 1  |



## Inputs area

Input 1:

Selection of the input signal for the respective connector.

## Outputs area

Output 1:

Selection of the output signal for the respective connector.

## Example configuration: Linking two conditions (CONNECTORS)

You need to ensure that a door can only be temporarily unlocked via the key switch, and also only if it was closed beforehand. Proceed as follows:

Transmit the door contact signal to "AND gate 2 (E)2" by selecting the "door contact" function on the CONNECTOR logic tab for Input 1 from Connector 7 and for Output 1 select the "AND gate 2 (E)1" function.

On the Key switch tab, assign the first function with "AND gate 2 (E)2" for the internal key switch. On the Logic functions tab, open the AND gate tab and select the "short-term unlocking" function for

Output 1.

Click the Save button and then on Transfer.

## "MEMORY Logic" tab

This logic function offers the option of implementing complex circuits.

The incoming Set/Reset signals can be connected directly or inverted with functions.

For TMS and TMS Compact/Comfort, one memory is available. TMS Basic devices have four memories.

Function table

| Set input | Reset input | Output Q | Output $\bar{Q}$ |
|-----------|-------------|----------|------------------|
| 0         | 0           | x        | x                |
| 0         | 1           | 0        | 1                |
| 1         | 0           | 1        | 0                |
| 1         | 1           | 0        | 1                |

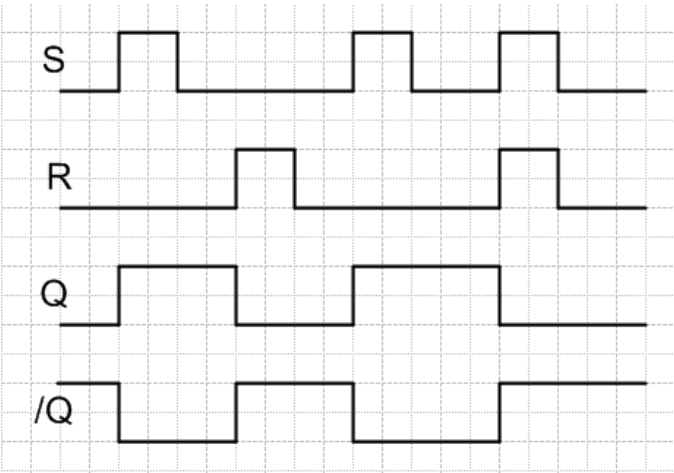
X:

the previous status has been not changed

RS:

with dominant R input. If both inputs have 1 signal, output  $Q = 0$  and  $\bar{Q} = 1$

Pulse diagram



Unlock   Key switch   SVP functions   Special functions   Input / Output module   **Logic functions**   Timer   Service

AND logic  
NAND logic  
OR logic  
CONNECTOR logic I  
CONNECTOR logic II  
MEMORY logic  
IMPULSE SWITCH logic I  
IMPULSE SWITCH logic II

Memory 1

Inputs

Set input

Reset in

Outputs

Output Q

Output /Q

### Inputs area

Selection of the signal for the input.

### Outputs area

Selection of the signal for the output.

If a signal is not present at the inputs, the previous status of the outputs is saved.

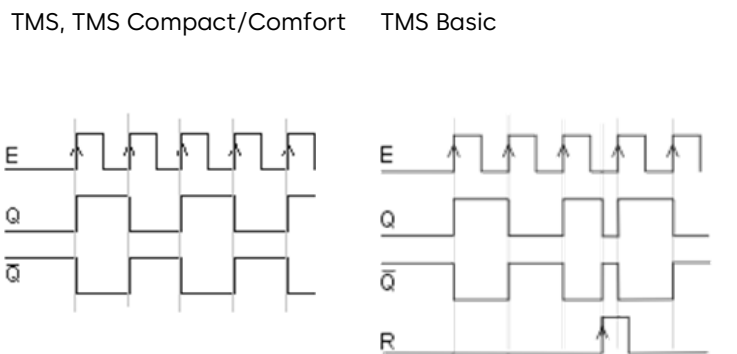
If a signal (pulse) is present at the Set input, Output Q will be switched and Output  $\overline{Q}$  will be switched off.

If a signal (pulse) is present at the reset input, Output  $\overline{Q}$  will be switched and Output Q will be switched off.

### "PULSE SWITCH logic" tab

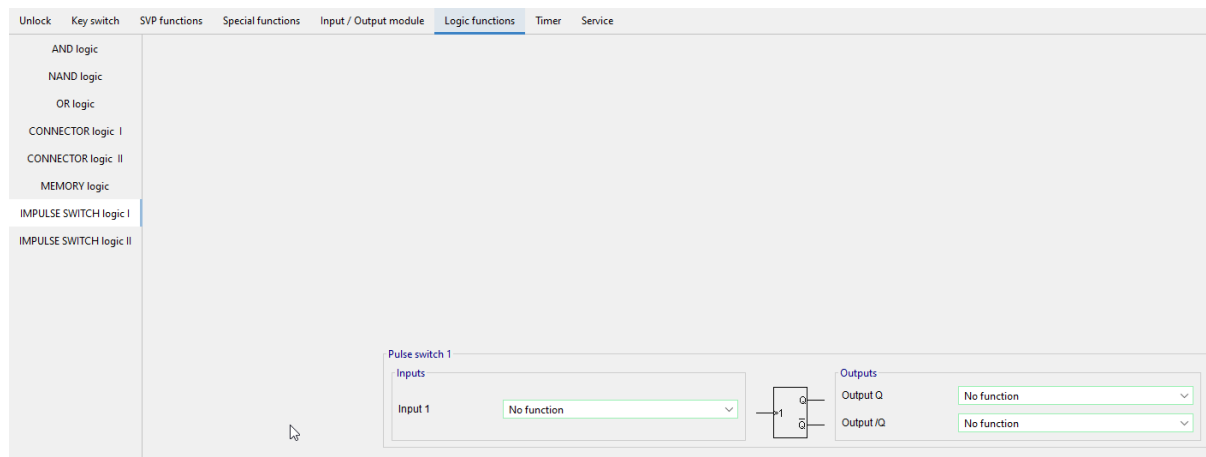
This logic function offers the option of intermittently switching outputs Q and  $\overline{Q}$  with a signal (pulse) at input 1.

### Pulse diagram



Four pulse switches are available.

TMS Basic devices also have a reset input.



### Inputs area

Selection of the signal for the input.

### Outputs area

Selection of the signal for the output.

### Reset (TMS Basic)

Resets Output Q regardless of the previous status

### 6.8.6 "Timer" (TMS types) tab

You can specify time zones and their assigned functions on this tab.

For each device you can control which public holidays and other special days are to be used.



#### Note

For more information, see the [Time switch functions](#) topic.

The Timer tab contains six sub-menus.

The functional scope of the time switch is dependent on the device.

#### "Settings" tab

Tick the check box if the PC clock is to be used.

TMS Basic devices do not feature an internal time switch. The PC time switch is selected by default.

#### Vacations with TMS PC gateway area

Time switch PC controlled:

Specifies whether the TMS-PC gateway time switch is enabled. If the PC time switch is activated, the TL-S TMS is suspended and the computer with the TMS-PC gateway software must not be switched off.

#### "Date/time" tab (TMS, TMS Compact/Comfort)

Tick all the check boxes on this tab if the system time and daylight saving time are to be automatically applied.

Alternatively, you can manually set, transfer and read out the date and time.

#### "Date/time" area

Send system time of the computer:

By activating the check box, the system time of the computer is used and sent to the devices.



#### Note

When you click on **Transfer**, the date and time will not also be transferred if this box is not checked.

#### Date/time:

For manual entry of the date and time.

Manually entered data must be manually sent to the devices using the Transfer date/time button. These fields are only active if the Send system time of the computer check box is deactivated.

#### Transfer date/time:

Manually transmits the times entered to the devices.

This button is only available if the Send system time of the computer check box is deactivated.

#### Daylight saving time area

Use daylight saving time:

Specifies whether the time should be switched between daylight saving time and standard time.

Automatically set daylight saving time:

If the checkbox is activated, the Central European changeover data is automatically obtained from the system.

If the checkbox is deactivated, it is possible to enter the start and end manually.

#### Date and time area in TMS Soft

The current date and time of the computer are displayed here.

#### Settings area for transfer button

Here it is possible to specify what should happen when clicking on the Transfer button.

If the box is checked, the current date and time of the computer as well as the daylight saving time setting will sent to the door with all other parameter settings when the Transfer button is clicked.

If the box is not checked, only the parameter settings without date, time and daylight saving time settings will be sent.

The current date and time of the computer as well as the daylight saving time settings can then be sent to the door using the "Transfer date / time / daylight saving time" button.



### Note

If you work with time zones, the data for the start and end of daylight saving time must also be transferred once a year before the start of daylight saving time.

## "Weekly program timer" tab

Weekly program selection field:

Selection of the weekly schedule to be used for the device.

Selection: All weekly and daily schedules stored in the [main tab - Template](#).



### Note

Several time windows and special days can be stored using the PC time switch.

Only the first two time windows are used when using the internal time switch, even if more time windows have been assigned.

Info area: Shows the contents of the weekly schedule.



### Note

The schedules and time windows displayed depend on the time switch variant used (internal or PC time switch).

## "Public holidays/special days" tab

Which public holidays and special days should be used for the time control are defined on this tab.

Public holidays can be parameterized via the Templates tab > ["Public holidays / Special days" tab](#).

Special days/public holidays are days on which activation of the function is prevented (no time window) or on which other time windows are valid for the PC time switch.



### Note

The schedules and time windows displayed depend on the time switch variant used (internal or PC time switch).

Special days have no function if the internal time switch is used.

Delete:

Deletes all marked entries from the list.

Insert:

Opens the template from which more public holidays/special days can be added.

Standard public holidays:

Inserts all public holidays stored in the template.

## "Holidays/Special areas" tab

Which public holidays and special areas should be used for the time control are defined on this tab.

The vacations / special areas are parameterized under the Template tab > ["Vacations / Special areas" tab](#).



### Note

This tab is only active when using the time switch.

The internal timer does not feature vacations / special areas.

Delete:

Deletes all marked entries from the list.

Insert:

Opens the template from which more Holidays/special areas can be added.

### "Functions" tab

By using the internal time switch various functions can be parameterized for the time switch outputs.

By using the PC time switch the function "permanent unlocking" is always executed.

### 6.8.7 "Service" tab (TMS, TMS Compact/Comfort)

This tab can be used to create PIN codes for the TMS access control, determine functions and activate a maintenance interval.

In this way, the authorized user is able to trigger defined functions and change parameters via a keyboard connected to the door control unit (only up to TMS firmware 4.1).



#### Note

If external access control (CCSoft, MATRIX) is used, TMS access control and use of keyboards 1-3 are reserved for external access control.

This tab contains three sub-menus.

#### "ID" tab

In order to prevent unauthorized access to service functions, you can store access codes on this tab.

Password area for parameterization interface:

For entering an access code for communication with a TMS device. Click on the >> button, to enter a password.

Values: 6 numerical characters.

Tip:

You can activate the password query via the [Communication main tab](#) and thus lock the SCU device interface.

User code area

For entering an access code for functions with a user code. Click on the >> button, to enter a password. Values: 4 ... 6 numerical characters.

Service code area

For entering an access code for functions with a service code. Click on the >> button, to enter a password. Values: 4 ... 6 numerical characters.

#### "Functions" tab

Specify the service functions to be executed on this tab.

Functions user code keyboard 1-4 area

within the time zone:

Selection of the functions to be executed within the time zone after entering the user code. It is possible to assign two functions which are executed simultaneously.

outside the time zone:

Selection of the functions to be executed outside the time zone after entering the user code. It is possible to assign two functions which are executed simultaneously.

after 2x code entry:

Selection of a special function, which is executed after entering the user code twice.

Example:

1. entry grants access via "Permanent unlocking",
2. Entry triggers "Locking".

Access with user code area

Access by keyboard with user code without time zones:

Activate this check box if no time zones are set up or the time zones should not be considered and access should be enabled by entering the user code.

Service code keyboard 1-4 area

1st, 2nd, 3rd Function:

Selection of the functions to be executed following entry of the service code. The functions are all simultaneously triggered which are executed at the same time.



#### ATTENTION

The "short-term, long-term or permanent unlocking" combined function cannot be used for PIN code entry.

#### "Maintenance" tab

On this tab you can set whether a maintenance notification should appear.

Maintenance notification area (not for TMS Basic)

Activate maintenance notification:

Specifies whether or not a maintenance due date is monitored.

If maintenance is due, the yellow LED displays of the TL-S TMS and the yellow LED display "Maintenance according to EltVTR necessary" in Visualization flash.

Maintenance alarm on:

Shows the due date of the next maintenance.

A maintenance appointment will always be generated on the 15th of the month and the alarm will always start on the first of the month, so 15 days prior.

Recalculate:

Calculates the next maintenance date.

## 6.9 Device types M-SVP, SVP-S4x

To map the extensive options for these devices, the main Parameter settings tab has eight tabs, some of which are divided into further tabs.



### Note

Individual functions may vary depending on the firmware used and the device type.

### 6.9.1 "Unlocking" tab (M-SVP, SVP-S4x)

On the Unlocking tab, you can specify the times for locking and unlocking, and the behavior of the alarm.

Relocking times area

Temporary unlocking (3 ... 180 s):

Sets the time for which a door remains unlocked after temporary unlocking. After this time runs out the door locks automatically.

Values: 3 ... 180 s; standard value: 5 s

Long-term unlocking (5 ... 120 min):

Sets the time for which a door remains unlocked after long-term unlocking. After this time runs out the door locks automatically.

Values: 5 ... 120 min; standard value: 5 min

Long-term and permanent unlocking area

Activation of long-term unlocking (3 ... 20 s):

Specifies the time for which the key switch must be pressed (stop right), in order to trigger long-term unlocking.

Values: 3 ... 20 s; standard value: 8 s

Activation of permanent unlocking (5 ... 30 s):

Specifies the time for which the key switch must be pressed (stop right), in order to trigger permanent unlocking.

Values: 5 ... 30 s; standard value: 15 s



### Note

The value for long-term unlocking (standard value: 8 secs) must always be smaller than the value for permanent unlocking (standard value: 15 s).

Combined functions Temporary/long-term/permanent unlocking area

By activating the check boxes, temporary, long-term and/or permanent unlocking for the device can be disabled.

Door open monitoring area

Two values can be specified for door open monitoring.

Example:

Monitoring 1 for normal access (short time) on key switch 1 and monitoring 2 for room cleaning (long time) on key switch 2.

Time to pre-alarm (5 ... 180 s):

Specifies how long the door should be open until the pre-alarm is triggered.

Values: 5 ... 180 s; standard value: 30 s

Duration pre-alarm (4 ... 475 s):

Specifies the time after which a pre-alarm is converted into a main alarm.

Values: 4 ... 475 s; standard value: 60 s

Alarm duration limit area

Main alarm duration:

Specifies how long the main alarm lasts.

Values: 5 ... 255 s; standard value: 90 s

### 6.9.2 "Key switch" tab (M-SVP, SVP-S4x)

On this tab you can assign functions to the up to four DCW key switches that can be triggered on site by pressing a key switch.

For M-SVP and SVP-S4x devices, you can install up to 4 key switches via the 4 tabs (ST I ... ST IV).

#### Right-keying area

Select a command for each function. The right keying of ST I can be used with three commands. The right keying of the key switch ST II ... ST IV can only be assigned once.

Standard value 1:

Function: Temporary/long-term/permanent unlocking M1 (E).

Default value 2:

Function: Alarm acknowledgment (S)

Default value 3:

Function: No function

#### Left keying area

Select a command.

Left keying can only be assigned one function for all key switches.

Standard value: Lock (S)



#### Note

If the software is connected to a device online, the LED displays on the tabs indicate whether a DCW module is connected: Green = DCW module connected, gray = not connected. In this way, you can easily recognize whether the correct DCW module has been parameterized.

### 6.9.3 "SVP functions" tab (M-SVP, SVP-S4x)

You can parameterize the basic functions of anti-panic locks on this tab.

"Basic functions" tab

#### Functions area

Alarm (PC, panel, on site), if door handle operated:

Specifies whether an alarm trigger is used at the connected visualization on the PC or panel as well as on site by the door handle.

Standard value: Deactivated.

Block automatic SVP/ED unlocking if there is a smoke alarm:

Determines whether the automatic unlocking function is blocked for SVP and automatic drives so that smoke cannot spread in the event of fire protection door doors.



#### ATTENTION

This function must always be ACTIVATED for fire protection doors.

SVP/ED unlocked if smoke alarm is pending (opening of air vents):

Specifies whether the door unlocks and opens automatically in the event of a smoke alarm by SVP and automatic operator (to extract smoke from the building) and closes automatically after the smoke alarm has ended.

Standard value: Deactivated.



#### ATTENTION

It is imperative that this check box is DEACTIVATED for fire protection doors.

#### 6.9.4 "Special functions" tab (M-SVP, SVP-S4x)

On this tab, parameterize the assignments of the inputs and connected external devices as well as the inputs and outputs of network variables.



#### Note

Functions may vary depending on the device in question and the firmware version.

This tab contains four sub-menus.

##### "Miscellaneous" tab

Connected external devices and the SVP interlock function are parameterized on this tab.

##### External devices area

Smoke detector connected via DCW/LON/LAN:

Specifies whether a smoke detector is connected via DCW, LON or LAN and is to be evaluated via the door control unit.

If the check box is not activated all input signals parameterized with the "GMA/BMA smoke detector (E)" function are ignored.

##### DCW:

A smoke alarm is connected to an input of the I/O DCW module and the input is parameterized as GMA/BMA smoke detector (E).

##### LAN/LON:

A smoke alarm is reported by the TE25 device, the TMS PC gateway checks whether the "GMA/BMA smoke detector (E)" function has been selected in the "Network variables" menu for "nviTMSFunktion1 to 4" and whether the TMS control unit is assigned to the TE25.

Only then is the smoke alarm (unlocking plus smoke alarm) forwarded to these TMS devices.

##### LON:

A smoke alarm signal comes via the LON interface and a "nviTMSFunktion 1 to 4" function has been parameterized with the "GMA/BMA smoke detector (E)" function.

##### External tamper contact:

Specifies whether an external tamper contact is connected to the TMS device.

##### TMS interlock function area

Interlock/separate function:

Selection of unlocking type for interlock function.

##### "Miscellaneous" area

Relocking via door contact:

Specifies whether early relocking occurs via the door contact.

##### "TMS Soft switch commands" tab

The switch commands for remote control of the door control units from the Visualization main tab are activated or deactivated under this tab.

##### TMS switch commands from PC area

Command 1 "temporary unlocking":

Specifies whether the switching command for remote control of the temporary unlocking is enabled.

Standard value: Activated.

Command 2 "long-term unlocking":

Specifies whether the switching command for remote control of the long-term unlocking is enabled.

Standard value: Activated.

Command 3 "permanent unlocking":

Specifies whether the switching command for remote control of the permanent unlocking is enabled.

Standard value: Activated.

Command 4 "locking":

Specifies whether the switching command for remote control of the locking function is enabled.

Standard value: Activated.

Command 5 "function":

Selection of an additional function for the remote control, which can be triggered via the additional 5th button.

Standard value: No function.

Button name:

For freely entering a name for the additional remote control function. This text is shown on the button.

#### Button area "Command 5"

Selection of the execution mode for the additional function. The buttons can be configured as a switch or a push button.  
Standard value: Switch.

#### "Access control" tab

The special functions for access control are determined on this tab.



#### Note

In the access software CCSOFT as well as dormakaba MATRIX, special function 1 or 2 and special function 3 can be assigned to a person (ID). If the ID is used on the device, the device activates the set function.

#### Special functions area

Special function 1 to 3:

To select the stored functions for special authorization.

#### "Network variables" tab

Functions can be assigned to inputs and outputs on this tab.



#### Note

Network variables can be used only in conjunction with the dormakaba LON module and a LON commissioning tool (such as Open LNS).

#### Network variables inputs area

For selecting additional functions for the corresponding inputs 1-4.



#### Note

An activated SNVT input in the LON module triggers a command telegram and with it the parameterized function in the door control unit.

#### Network variables outputs area

For selecting additional functions for the corresponding outputs 1-4.



#### Note

The parameterized function in the door control unit triggers a command telegram which activates an SNVT.

### 6.9.5 "Input/output module" (M-SVP, SVP-S4x) tab

The door control unit can be fitted with up to four additional I/O modules beside the internal module and the I/O-MSVP. These modules are pre-programmed by dormakaba as follows:

Module 1: Panel function

Module 2: General function

Module 3: Interlock function

Module 4: Automatic function

On the Input-/Output module tab the data of the internal and additional installed external I/O DCW modules of the door control unit run together and can be correspondingly changed.

The inputs and outputs are controlled separately for each available module.



#### Note

The inputs and outputs can be given user-defined names.

This description is also displayed in the Visualization of the I/O modules.

Right-click on the respective input or output and enter the desired description.

Confirm with the Enter key.

The named input or output is shown in red.

This tab features a sub-menu for each module. Modules which are actually connected and in operation are marked with a green LED display.



#### ATTENTION

For each door file ensure that you only make entries for I/O modules which are actually installed. TMS Soft "overwrites" the default settings made via DIP switch!

### "Internal module" tab

#### Inputs area

##### Input 1-2:

Selection of the inputs 1 ... 2 of the M-SVP device

#### Outputs area

##### Output 1-2:

Selection of the functions selected at the outputs 1 ... 2 of the M-SVP device

#### Mode for inputs area

For selection of the function mode of the component controlled via the adjacent input.



#### Note

For more information, see the topic [Signal delay for input signals](#).

#### Time setting area for inputs

##### Time in secs:

Enter a time period in seconds for the function of the components controlled via the adjacent inputs.

Time specification is only possible for the signal extension and signal delay modes.

Values: 1 ... 255 s;

Standard value: 1 s

#### Mode for outputs area

For selection of the function mode of the component controlled via the adjacent output.



#### Note

Further information on the modes can be found under the topic of Function modes at outputs (classic parameterization interface).

#### Time setting area for outputs

##### Time in secs:

Enter a time period in seconds for the function.

A time can only be specified for the monoflop function, switch-on delay or flashing mode monoflop.

Values: 1 ... 255 s;

Standard value: 1 s

### "I/O M-SVP" or "I/O SVP-S4x" tab

Inputs and outputs of the I/O-M-SVP module [or](#) the I/O-SVP-S4x module are assigned on this tab.

#### Inputs area

##### Input 3 function 1-3:

Input 3 can be assigned up to three functions that are executed simultaneously.

##### Input 4:

Input 4 can be assigned one function.

#### Outputs area

##### Output 3-4:

Selection of the functions selected at the outputs 3 ... 4 of the M-SVP device

#### Mode area

For selection of the function mode of the component controlled via the adjacent output.

## Not

Further information on the modes can be found under the topic of Function modes at outputs (classic parameterization interface).

### Time setting area

#### Time in secs:

Enter a time period in seconds.

Times can be specified only for the "Blink mode (permanent)", "Switch-on delay", "Monoflop function" and "Normal function on/off" modes. Values: 1 ... 255 s; standard value: 1 s

### Tab "Module 1" ... "Module 4"

Inputs and outputs are assigned to the DCW modules on this tab.

### Inputs area

#### Input 1-4:

For selection of the connected incoming signal per input.

### Outputs area

#### Output 1-4:

For selection of the connected outgoing signal per output.

### Mode area

For selection of the function mode of the component controlled via the adjacent output.



## Note

Further information on the modes can be found under the topic of Function modes at outputs (classic parameterization interface).

### Time setting area

#### Time in secs:

Enter a time period in seconds for the function of the components controlled via the adjacent inputs and outputs.

A time can only be specified for the monoflop function, switch-on delay or flashing mode monoflop.

Values: 1 ... 255 s

Standard value: 1 s

## 6.9.6 "Logic functions" (M-SVP, SVP-S4x) tab

The logic functions are primarily used for bundling, processing and forwarding of signals.

They may include reference to another gate or originate from the Connectors function group.

On this tab, you can define logic functions for inputs and outputs of the AND logic, NAND logic and OR logic.

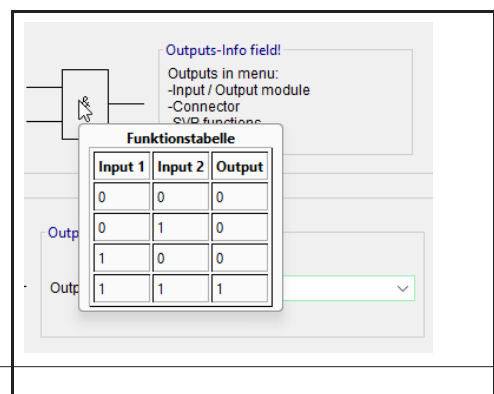
Additional modules are also available for switching signals via the CONNECTOR logic, MEMORY logic and PULSE SWITCH logic.

Display function table



## Note

Click with the mouse on the stylized logic connection to show the respective function tables or pulse diagrams.





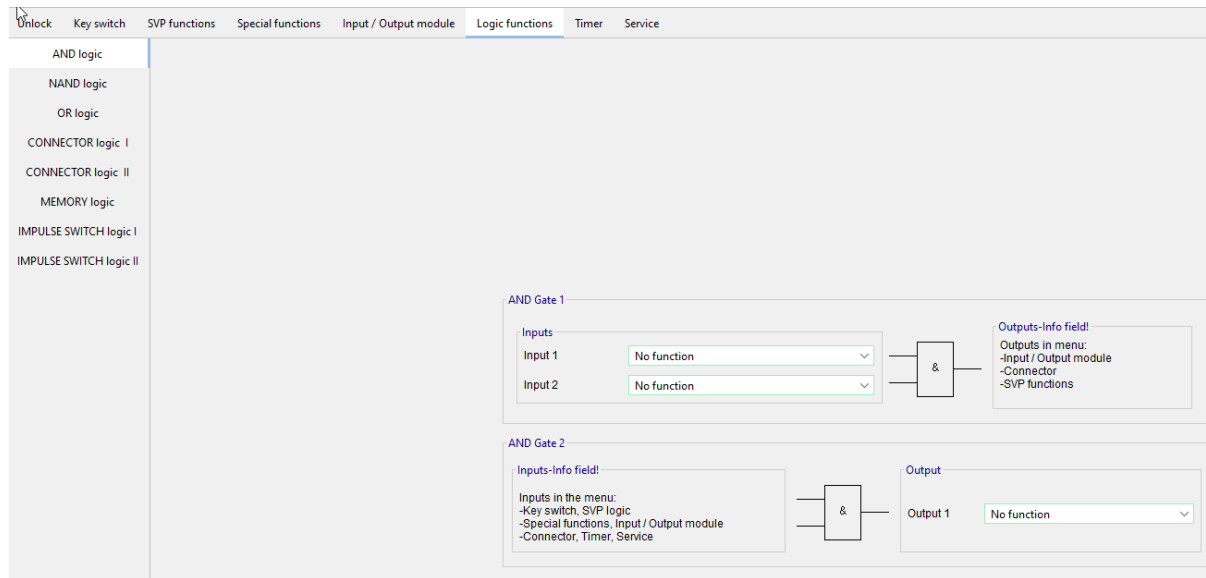
This tab features a separate sub-menu for each logic type.

### "AND logic" tab

Two gates are available for AND logic. If the stored signal is present at input 1 and input 2 of a gate, the TMS central unit switches a signal at the defined output.

Function table

| I1 | I2 | A |
|----|----|---|
| 0  | 0  | 0 |
| 0  | 1  | 0 |
| 1  | 0  | 0 |
| 1  | 1  | 1 |



### AND gate 1 area

For AND gate 1, select inputs 1 and 2 on the AND logic tab.

Select the output in a Logic tab or the Input/Output module, Connector logic or SVP functions tabs in the corresponding selection fields.

Input 1:

Selection of the first signal of the "AND" function.

Input 2:

Selection of the second signal of the "AND" function.

### AND gate 2 area

For AND gate 2, select inputs 1 and 2 in a logic tab or on one of the Key switches, SVP functions, Special functions, Input/Output module, Time switch, Connector logic or Service tabs in the corresponding selection fields.

Output 1:

Selection of the signal for the output of the "AND" function.

### Example configuration "Trigger alarm acknowledgment through key switch" (AND)

You need to trigger the "Alarm acknowledgment" function (double verification principle) by simultaneously pressing two key switches. Proceed as follows:

On the Key switch tab, assign a function with "AND gate 2 (E)1" for the internal key switch.

Assign a function with "AND gate 2 (E)2" for an additional key switch.

On the Logic functions tab, on the AND logic tab for Output 1, select the "Alarm acknowledgment" function.

Click the Save button and then on Transfer.

### "NAND logic" tab

Two gates are available for NAND logic.

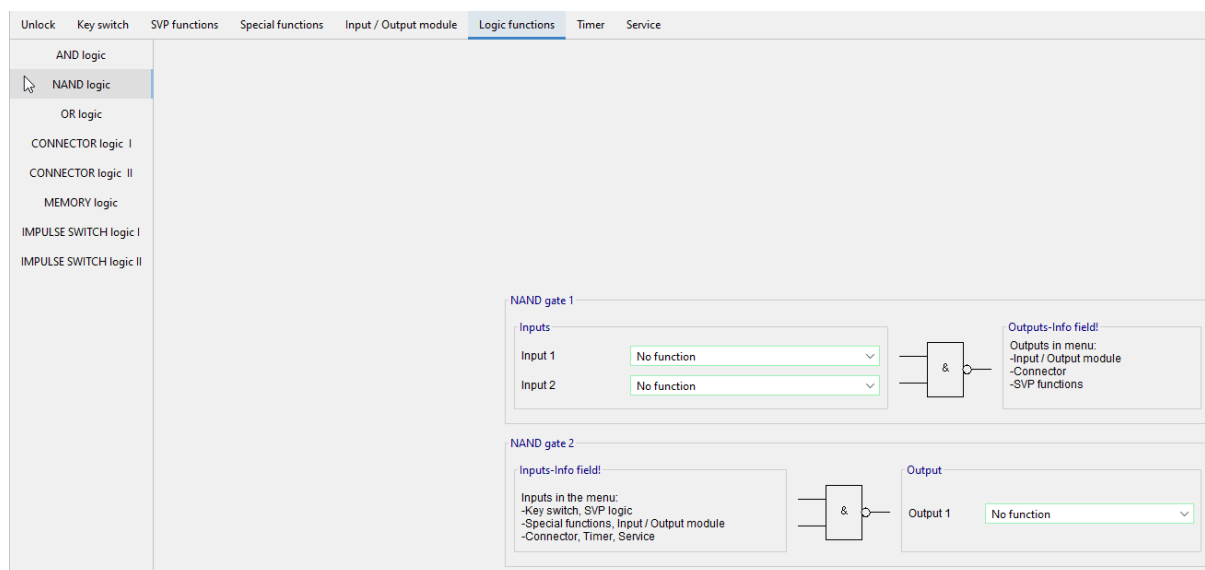
If a signal is present at input 1 and input 2 of a gate, the TMS central unit does not switch a signal at the defined output.

If there is no or just one signal at the inputs, the TMS central unit switches a signal at the defined output.

Function table

| I1 | I2 | A |
|----|----|---|
|----|----|---|

|   |   |   |
|---|---|---|
| 0 | 0 | 1 |
| 0 | 1 | 1 |
| 1 | 0 | 1 |
| 1 | 1 | 0 |



#### NAND gate 1 area

For NAND gate 1, select inputs 1 and 2 on the NAND logic tab.

Select the output in a Logic tab or the Input/Output module, Connector logic or SVP functions tabs in the corresponding selection fields.

Input 1:

Selection of the first signal of the "NAND" function in NAND gate 1.

Input 2:

Selection of the second signal of the "NAND" function in NAND gate 1.

#### NAND gate 2 area

For NAND gate 2, select inputs 1 and 2 in a logic tab or on one of the Key switches, SVP functions, Special functions, Input/output module, Timer, Connector logic or Service tabs in the corresponding selection fields.

Output 1:

Selection of the signal for the output of the "NAND" function in NAND gate 2.

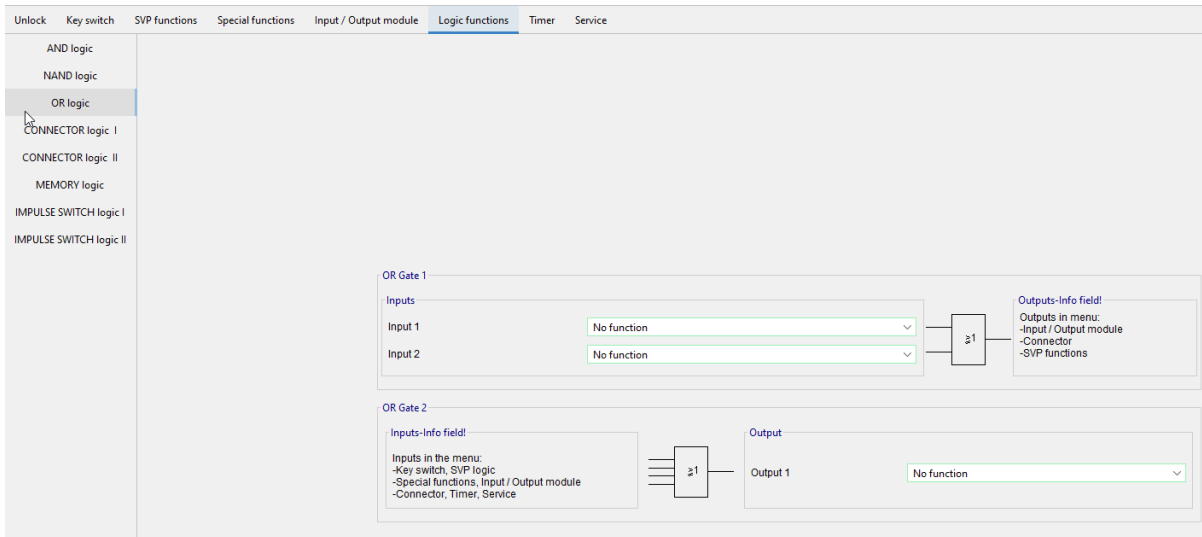
#### "OR logic" tab

Two gates are available for OR logic.

If a signal is present at input 1 or input 2 of a gate, the TMS central unit switches a signal at the defined output.

Function table

|   |   |   |
|---|---|---|
| I | I | A |
| 1 | 2 |   |
| 0 | 0 | 0 |
| 0 | 1 | 1 |
| 1 | 0 | 1 |
| 1 | 1 | 1 |



#### OR gate 1 area

For OR gate 1, select inputs 1 and 2 on the OR logic tab.

Select the output on the CONNECTOR logic tab or on the Input/Output module or SVP functions tabs in the corresponding selection fields.

Input 1:

Selection of the first signal of the "OR" function in OR gate 1.

Input 2:

Selection of the second signal of the "OR" function in OR gate 1.

#### OR gate 2 area

For OR gate 2, select inputs 1 and 2 in a CONNECTOR logic tab or on one of the Key switches, SVP functions, Special functions, Input-/Output module, Time switch or Service tabs in the corresponding selection fields.

Output 1:

Selection of the signal for the output of the "OR" function in OR gate 2.

#### Example configuration "Additional flashing display during alarm" (OR)

You need to set up a flashing display for the case of a main alarm or alarm trigger via the emergency button.

Proceed as follows:

On the Logic functions tab, on the OR logic tab for Input 1 and Input 2, select the functions that are to trigger flashing, such as "Main alarm" and "Emergency button pressed".

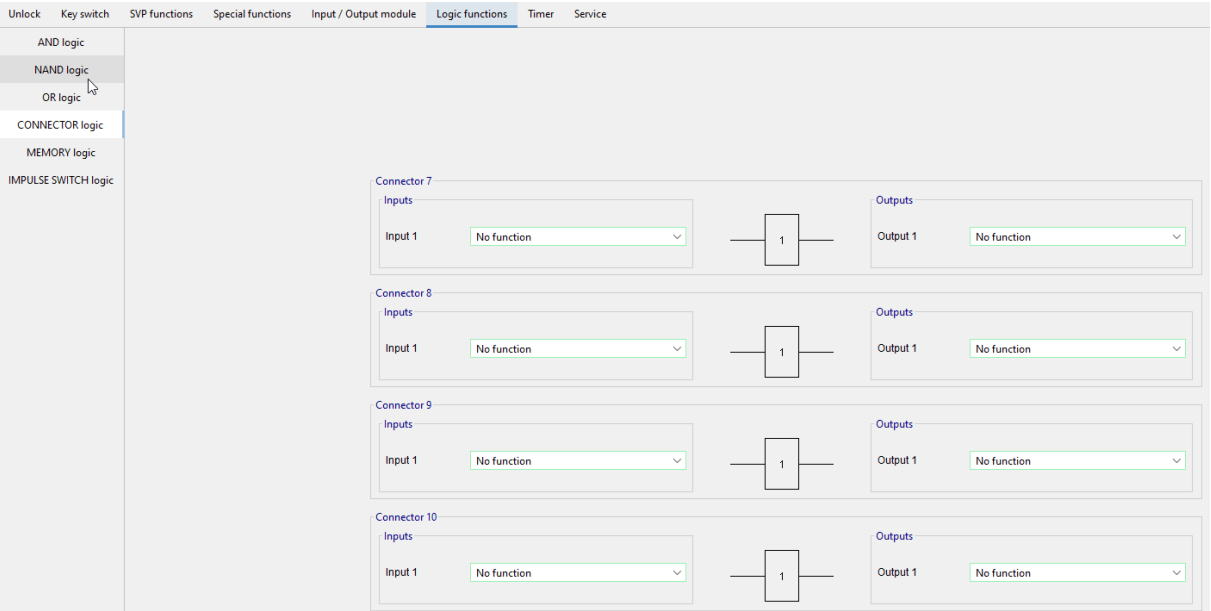
On the Input-/Output Module tab on the Module 1 tab, select the "OR gate 1 (A)1" function for the corresponding output and select the desired flashing mode for Mode. Click the Save button and then on Transfer.

“CONNECTOR logic” tab

The available CONNECTORS 7, 8, 9 and 10 can receive internal or external signals (I/O modules) and forward (connect) these via outputs.

Function table

| I1 | A1 |
|----|----|
| 0  | 0  |
| 1  | 1  |



Inputs area

Input 1:

Selection of the input signal for the respective connector.

Outputs area

Output 1:

Selection of the output signal for the respective connector.

Example configuration: Linking two conditions (CONNECTORS)

You need to ensure that a door can only be temporarily unlocked via the key switch, and also only if it was closed beforehand.

Proceed as follows:

Transmit the door contact signal to “AND gate 2 (E)2” by selecting the “door contact” function on the CONNECTOR logic tab for Input 1 from Connector 7 and for Output 1 select the “AND gate 2 (E)1” function.

On the Key switch tab, assign the first function with “AND gate 2 (E)2” for the internal key switch.

On the Logic functions tab, open the AND gate tab and select the “short-term unlocking” function for

Output 1.

Click the Save button and then on Transfer.

“MEMORY Logic” tab

This logic function offers the option of implementing complex circuits.

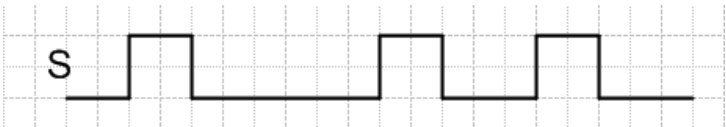
The incoming Set/Reset signals can be connected directly or inverted with functions.

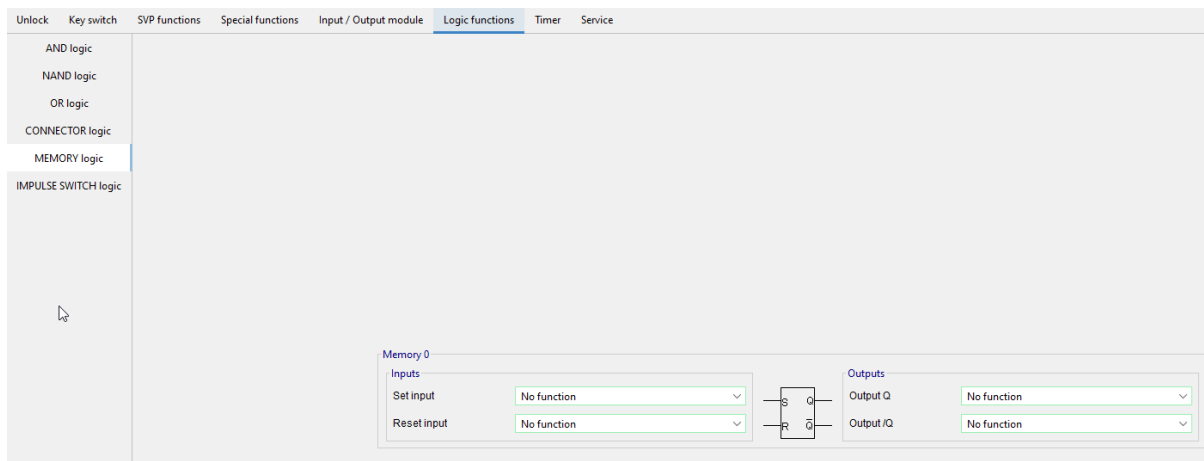
Function table

| Set input | Reset input | Output Q | Output \Q |
|-----------|-------------|----------|-----------|
| 0         | 0           | x        | x         |
| 0         | 1           | 0        | 1         |
| 1         | 0           | 1        | 0         |
| 1         | 1           | 0        | 1         |

X: the previous status has been not changed

RS: with dominant R input. If both inputs have 1 signal, output Q = 0 and /Q = 1 pulse diagram





#### Inputs area

Selection of the signal for the input.

#### Outputs area

Selection of the signal for the output.

If a signal is not present at the inputs, Output /Q is switched.

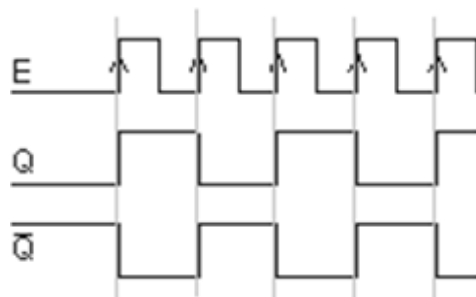
If a signal (pulse) is present at the Set input, Output Q is switched and Output \Q is switched off.

If a signal (pulse) is present at the Reset input, Output \Q is switched and Output Q is switched off.

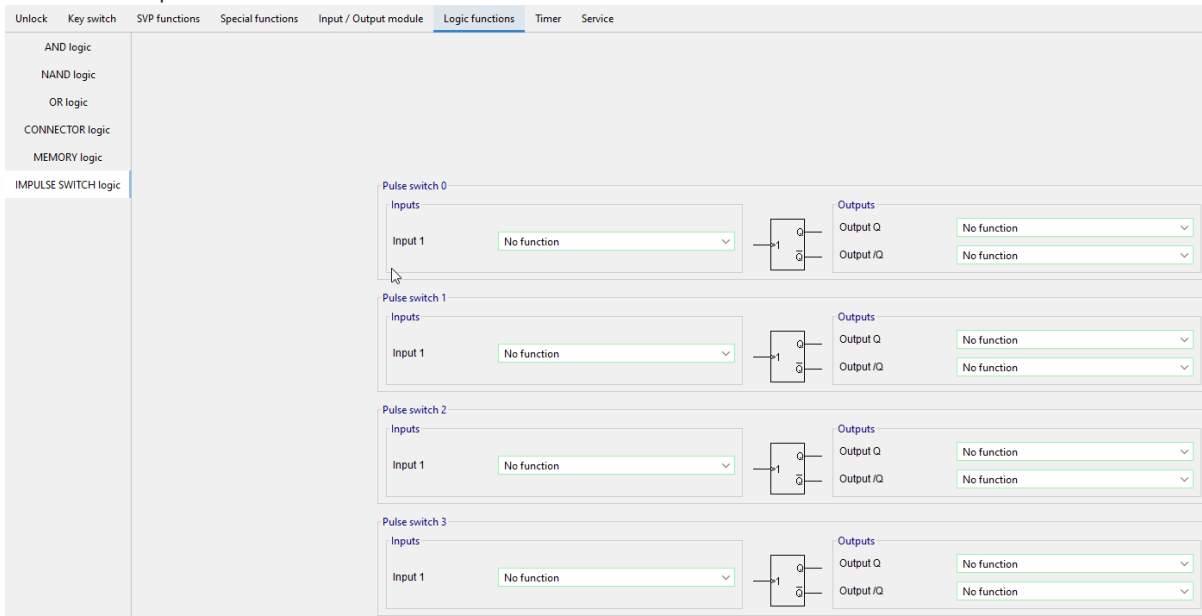
#### "PULSE SWITCH logic" tab

This logic function offers the option of intermittently switching the outputs Q and /Q with a signal (pulse) at input 1.

Pulse diagram



Four pulse switches are available.



Inputs area

Selection of the signal for the input.

Outputs area

Selection of the signal for the output.

### 6.9.7 "Timer" (M-SVP, SVP-S4x) tab

You can specify time zones and their assigned functions on this tab.

For each device you can control which public holidays and other special days are to be used.



#### Note

For more information, see the [Time switch functions](#) topic.

The Timer tab contains six sub-menus.

The functional scope of the time switch is dependent on the device.

#### "Settings" tab

Tick the check box if the PC time switch is to be used (option 3).

Holidays with TMS-PC gateway area

Time switch PC controlled:

Specifies whether the TMS-PC gateway time switch is enabled.

If the PC time switch is activated, the TL-S TMS is suspended and the computer with the TMS-PC gateway software must not be switched off.

#### "Date/time" tab

Tick all the check boxes on this tab if the system time and daylight saving time are to be automatically applied.

Alternatively, you can manually set, transfer and read out the date and time.

"Date/time" area

Send system time of the computer:

By activating the check box, the system time of the computer is used and sent to the devices.

When clicking on Transfer ensure that the date and time are not also transferred if this check box is deactivated.

Date/time:

For manual entry of the date and time.

Manually entered data must be manually sent to the devices using the Transfer date/time button.

These fields are only active if the Send system time of the computer check .box is deactivated.

Transfer date/time:

Manually transmits the times entered to the devices.

This button is only available if the Send system time of the computer check box is

deactivated.

#### Daylight saving time area

Use daylight saving time:

Specifies whether the time should be switched between daylight saving time and standard time.

Automatically set daylight saving time:

If the checkbox is activated, the Central European changeover data is automatically obtained from the system.

If the checkbox is deactivated, it is possible to enter the start and end manually.

#### Date and time area in TMS Soft

The current date and time of the computer are displayed here.

#### Settings area for transfer button

Here it is possible to specify what should happen when clicking on the Transfer button.

If the box is checked, the current date and time of the computer as well as the daylight saving time setting will sent to the door with all other parameter settings when the Transfer button is clicked.

If the box is not checked, only the parameter settings without date, time and daylight saving time settings will be sent.

The current date and time of the computer as well as the daylight saving time settings can then be sent to the door using the "Transfer date / time / daylight saving time" button.



#### Note

If you work with time zones, the data for the start and end of daylight saving time must also be transferred once a year before the start of daylight saving time.

### "Time switch weekly schedule" tab

Weekly schedule selection field:

Selection of the weekly schedule to be used for the device.

Selection:

All weekly and daily schedules stored in the main tab - Templates.



#### Note

Several time windows and special days can be stored using the PC time switch.

Only the first two time windows are used when using the internal time switch, even if more time windows have been assigned.

Info area:

Shows the contents of the weekly schedule.



#### Note

The schedules and time windows displayed depend on the time switch variant used (internal or PC time switch).

### "Public holidays/special days" tab

Which public holidays and special days should be used for the time control are defined on this tab.

Special days/public holidays are days on which activation of the function is prevented (no time window) or on which other time windows are valid for the PC time switch.



#### Note

The schedules and time windows displayed depend on the time switch variant used (internal or PC time switch).

Special days have no function if the internal time switch is used.

Delete:

Deletes all marked entries from the list.

Insert:

Opens the template from which more public holidays/special days can be added.

Standard public holidays:

Inserts all public holidays stored in the template.

### "Holidays/Special areas" tab

Which public holidays and special areas should be used for the time control are defined on this tab.



#### Note

This tab is only active when using the time switch. The internal timer does not feature vacations / special areas.

#### Delete:

Deletes all marked entries from the list.

#### Insert:

Opens the template from which more Holidays/special areas can be added.

### "Functions" tab

By using the internal time switch various functions can be parameterized for the time switch outputs.

By using the PC time switch the function "permanent unlocking" is always executed.

### 6.9.8 "Service" tab (M-SVP, SVP-S4x)

This tab can be used to create access data for the TMS access control, determine functions and activate a maintenance interval.

In this way, the authorized user is able to trigger defined functions via a keyboard connected to the door control unit.



#### Note

If external access control (CCSoft, MATRIX) is used, TMS access control and use of keyboards 1-3 are reserved for external access control.

This tab contains three sub-menus.

#### "ID" tab

In order to prevent unauthorized access to service functions, you can store access codes on this tab.

#### Password area for parameterization interface:

For entering an access code for communication with a TMS device. Click on the >> button, to enter a password.

Values: 6 numerical characters.



#### Note

You can activate the password query via the [Communication main tab](#) and thus lock the interface of the SCU device.

#### User code area

For entering an access code for functions with a user code.

Click on the >> button, to enter a password.

Values: 4 ... 6 numerical characters.

#### Service code area

For entering an access code for functions with a service code.

Click on the >> button, to enter a password.

Values: 4 ... 6 numerical characters.

#### "Functions" tab

Specify the service functions to be executed on this tab.

#### Functions user code keyboard 1 to 4 area

within the time zone:

Selection of the functions to be executed within the time zone after entering the user code. It is possible to assign two functions that will be executed simultaneously.

outside the time zone:

Selection of the functions to be executed outside the time zone after entering the user code. It is possible to assign two functions that will be executed



- simultaneously.
- after 2x code entry:
  - Selection of a special function, which is executed after entering the user code twice.
  - Example:
    1. entry grants access via "Permanent unlocking",
    2. Entry triggers "Locking".

#### Access with user code area

Access by keyboard with user code without time zones:

Activate this check box if no time zones are set up or the time zones should not be considered and access should be enabled by entering the user code.

#### Service code keyboard 1 to 4 area

1st, 2nd, 3rd Function:

Selection of the functions to be executed following entry of the service code. The functions are all simultaneously triggered which are executed at the same time.



#### ATTENTION

The "short-term, long-term or permanent unlocking" combined function cannot be used for PIN code entry.

#### "Maintenance" tab

On this tab you can set whether a maintenance notification should appear.

##### Maintenance notification area

Activate maintenance notification:

Specifies whether or not a maintenance due date is monitored.

If maintenance is due, the yellow LED display "Maintenance necessary" lights up in the visualization.

##### Maintenance alarm on:

Shows the due date of the next maintenance.

A maintenance appointment will always be generated on the 15th of the month and the alarm will always start on the first of the month, so 15 days prior.

##### Recalculate:

Calculates the next maintenance date.

## 6.10 SVP device type

The main Parameter settings tab for SVP devices has four tabs, some of which are divided into further tabs.



#### Note

Individual functions may vary depending on the firmware used.

### 6.10.1 "Unlocking" (SVP) tab

On the Unlocking tab, you can specify the times for locking and unlocking, and the behavior of the alarm.

#### Functions area

Relocking via door contact:

Upon activation of the check box, the door locks with the door contact closed message even before the unlock duration ends.

This parameter does not take effect during permanent unlocking.

#### Unlock/Lock area

Unlocking duration (2 ... 255 s):

Specifies the time for which a door remains unlocked after an unlocking command has been executed.

Values: 2 ... 255 s;

Standard value: 5 s

#### Duration limit function area

Upon activation of the check box, the duration of the main alarm is limited to the time defined in the "Door open monitoring 1" area for the main alarm.

Standard value: Activated.

#### Door open monitoring 1 area

Time to pre-alarm (5 ... 255 s):

Specifies how long the door should be open until the pre-alarm is triggered after a temporary unlocking.

Values: 5 ... 255 s; standard value: 30 s

Duration pre-alarm (10 ... 255 s):

Specifies the time after which a pre-alarm is converted into a main alarm.

Values: 10 ... 255 s; standard value: 60 s

Main alarm duration:

Specifies how long the main alarm lasts. Values: 5 ... 254 s; standard value: 90 s

If the door is reclosed and the SVP lock is able to lock, the alarm will automatically be reset

Smoke alarm function area

Supported from firmware 4.0.

SVP locks during a smoke alarm:

When triggering a smoke alarm via the internal I/O module, a smoke alarm is triggered in the SVP device.

The alarm is automatically acknowledged if the smoke detector contact is reclosed.

Standard value: Activated.



#### ATTENTION

This function must be ACTIVATED for fire protection doors.

Short-term unlocking allowed in the event of a smoke alarm:

In special cases (such as access for disabled people), temporary unlocking is allowed.

Standard value: Deactivated.



#### ATTENTION

This option must NOT be activated for fire protection doors.

SVP/ED unlocked if smoke alarm is pending (opening of air vents):

Specifies whether the door unlocks and opens automatically in the event of a smoke alarm (to extract smoke from the building) and closes automatically after the smoke alarm has ended.

Standard value: Deactivated.



#### ATTENTION

This option must NOT be activated for fire protection doors.

### 6.10.2 "Special functions" (SVP) tab

On this tab, parameterize the assignments of the inputs and connected external devices as well as the alarm volume and inputs and outputs of network variables.



#### Note

Functions may vary depending on the device in question and the firmware version.

This tab contains two sub-menus.

"Miscellaneous" tab

Connected external devices are parameterized on this tab.

SVP type area:

Selects the working principle of the engageable outer door handle on doors with an SVP 6xx.

PR 12 module area

Operation with PR 12 module:

Firmware-dependent selection of power reserve 12 module.

Operation without PR12 module:

The SVP control unit does not respond to voltage fluctuations.

This means that the drive does not move back to the 0-position in the case of voltage fluctuations (SVP unlocked).

Power failure detection is switched off!

Operation with PR 12 module:

The SVP control unit responds to power failure and the drive moves back to the 0-position (SVP unlocked).

The SVP lock is able to mechanically lock in the 0-position.

The threshold value at which the control unit responds to power failure is determined at 12 V for 24 V supply or 6 V for 12 V supply.

The power used for locking is supplied by capacitors on the PR12 module.

**Note**

Procedure in the event of power failure:

Locking is delayed for approx. 100 ms to avoid responding to temporary voltage drops (emergency power switchover).

If the interruption last longer than 100 ms, the firmware switches to a crash routine to quickly lock the lock.

The IN1/IN2 LEDs now flash at 5 Hz.

Restart following a power failure:

The PR12 module maintains the power supply for some time to enable a power-on reset and thus a firmware reset once the PR1-2 capacitors have been sufficiently discharged.

The control unit must monitor the supply voltage for as long as possible and automatically perform a firmware restart once the voltage returns.

#### "TMS Soft switch commands" tab

The switch commands for remote control of the door control units from the Visualization main tab are activated or deactivated under this tab.

#### TMS switch commands from PC area

Command 1 "temporary unlocking":

Specifies whether the switching command for remote control of the temporary unlocking is enabled.

Standard value: Deactivated.

Command 2 "long-term unlocking":

Specifies whether the switching command for remote control of the long-term unlocking is enabled.

Standard value: Deactivated.

Command 3 "permanent unlocking":

Specifies whether the switching command for remote control of the permanent unlocking is enabled.

Standard value: Deactivated.

Command 4 "locking":

Specifies whether the switching command for remote control of the locking function is enabled.

Standard value: Deactivated.

Command 5 "function":

Selection of an additional function for the remote control, which can be triggered via the additional 5th button.

Standard value: No function.

Button name:

For freely entering a name for the additional remote control function. This text is shown on the button.

#### Button area "Command 5"

Selection of the execution mode for the additional function.

The buttons can be configured as a switch or a push button.

Standard value: Switch.

### 6.10.3 "Input/output SVP" (SVP) tab

On the Input-/Output SVP tab the data of the internal I/O module run together and can be correspondingly changed.

**Note**

The inputs and outputs can be given user-defined names. This description is also displayed in the Visualization of the SVP module.

Right-click on the respective input or output and enter the desired description.

Confirm with the Enter key.

The named input or output is shown in red.

**ATTENTION**

For each door ensure that you only make entries for I/O modules which are actually installed. TMS Soft

"overwrites" the default settings made via DIP switch!

#### Inputs area

##### Input 1-3:

Selection of the inputs 1 ... 3 of the SVP device

#### Outputs area

##### Output 1-2:

Selection of the functions selected at the outputs 1 ... 2 of the SVP device.

#### Mode for outputs area

For selection of the mode of function of the accompanying output.



#### Note

Further information on the modes can be found under the topic of Function modes at outputs (classic parameterization interface).

#### Time setting area for outputs

##### Time in secs:

Enter a time period in seconds for the function.

A time can only be specified for the monoflop function, switch-on delay or flashing mode monoflop.

Values: 1 ... 255 s;

Standard value: 1 s

### 6.10.4 "Timer" (SVP) tab

You can specify time zones and their assigned functions on this tab.

For each device you can control which public holidays and other special days are to be used.



#### Note

For more information, see the [Time switch functions](#) topic.

The Timer tab contains six sub-menus.

The functional scope of the time switch is dependent on the device.

##### "Settings" tab

Tick the check box if the TMS-PC Gateway clock is to be used (option 3).

##### Holidays with TMS-PC gateway area

##### Time switch PC controlled:

Specifies whether the TMS-PC gateway time switch is enabled.

If the PC time switch is activated, the internal time switch is suspended and the computer with the TMS-PC gateway software must not be switched off.

##### "Date/time" tab

Tick all the check boxes on this tab if the system time and daylight saving time are to be automatically applied.

Alternatively, you can manually set, transfer and read out the date and time.

##### "Date/time" area

##### Send system time of the computer:

By activating the check box, the system time of the computer is used and sent to the devices.

When clicking on Transfer ensure that the date and time are not also transferred if this check box is deactivated.

##### Date/time:

For manual entry of the date and time.

Manually entered data must be manually sent to the devices using the Transfer date/time button.

These fields are only active if the Send system time of the computer check .box is deactivated.

##### Transfer date/time:

Manually transmits the times entered to the devices.

This button is only available if the Send system time of the computer check box is deactivated.

##### Daylight saving time area

##### Use daylight saving time:

Specifies whether the time should be switched between daylight saving time and standard time.

Automatically set daylight saving time:

If the checkbox is activated, the Central European changeover data is automatically obtained from the system.

If the checkbox is deactivated, it is possible to enter the start and end manually.

Date and time area in TMS Soft

The current date and time of the computer are displayed here.

Settings area for transfer button

Here it is possible to specify what should happen when clicking on the Transfer button.

If the box is checked, the current date and time of the computer as well as the daylight saving time setting will sent to the door with all other parameter settings when the Transfer button is clicked.

If the box is not checked, only the parameter settings without date, time and daylight saving time settings will be sent. The current date and time of the computer as well as the daylight saving time settings can then be sent to the door using the "Transfer date / time / daylight saving time" button.



#### Note

If you work with time zones, the data for the start and end of daylight saving time must also be transferred once a year before the start of daylight saving time.

"Time switch weekly schedule" tab

Weekly schedule selection field:

Selection of the weekly schedule to be used for the device.

Selection:

All weekly and daily schedules stored in the main tab - Templates.



#### Note

Several time windows and special days can be stored using the PC time switch.

Only the first two time windows are used when using the internal time switch, even if more time windows have been assigned.

Info area: Shows the contents of the weekly schedule.



#### Note

The schedules and time windows displayed depend on the time switch variant used (internal or PC time switch).

"Public holidays/special days" tab

Which public holidays and special days should be used for the time control are defined on this tab.

Special days/public holidays are days on which activation of the function is prevented (no time window) or on which other time windows are valid for the PC time switch.

For SVP devices, it is possible to define up to 16 public holidays.



#### Note

The schedules and time windows displayed depend on the time switch variant used (internal or PC time switch).

Special days have no function if the internal time switch is used.

Delete:

Deletes all marked entries from the list.

Insert:

Opens the template from which more public holidays/special days can be added.

Standard public holidays:

Inserts all public holidays stored in the template.

"Holidays/Special areas" tab

Which public holidays and special areas should be used for the time control are defined on this

tab.

**Note**

14 holiday areas are supported from SVP firmware 4.0.

The internal SVP time switch only enables one weekly schedule to be defined for all holidays/special areas. This may be applied or not, as required.  
 For each holiday, a choice can be made as to whether the time switch switches following a weekly schedule. The time switch is then disabled on one day within this period.  
 When using the PC time switch, up to 14 weekly schedules can be created.  
 Delete: Deletes all marked entries from the list.  
 Insert: Opens the template from which more Holidays/special areas can be added.

**"Functions" tab**

When using the internal time switch, a distinction can be made between "Permanent unlocking" and "No function" for the time switch output.  
 When using the PC time switch, the internal time switch is deactivated and the switching times of the PC weekly schedules are executed. The time switch output always has the "Permanent unlocking" function.

**6.11 I/O device type**

The "I/O module DCW LON" has 4 digital inputs and 4 relay outputs.  
 The information from the inputs or control commands for the relays is either transmitted via the DCW or LON bus. This module is therefore suitable for recording the status and controlling a wide range of devices (e.g. ED operator, fire or hazard alarm systems).  
 When using an LON network, the status recording can be visualized in TMS Soft.  
 Furthermore, control commands can be sent by TMS Soft to the device.  
 This information can also be provided by LON network variables at the same time.  
 The main Parameterization tab for I/O devices has two tabs, some of which are divided into further tabs.

**6.11.1 "Input-/Output module" (I/O) tab**

The inputs and outputs are parameterized on the "Input-/Output module" tab.

**Inputs area**

Input 1-4: Functions of the inputs.

These have been permanently assigned and cannot be changed. If an I/O module is connected to LON, each input signal can be provided via LON network variables (SNVT).

**Outputs area**

Output 1-4: Selection of the functions to the outputs 1 ... 4 of the I/O module

Switch command from PC (SNVT):

The four relays on the DCW LON I/O module can be switched on and off independently of each other via a V-telegram from TMS Soft, GLT software, OPC server or SNVTs.

Timer output:

The relays are controlled by means of an internal time switch.  
 A relay can be activated within one time zone.

In addition, special days (public holidays) or special areas (holidays) are taken into account on which activation of the relay is prevented (no time zone) or another time zone is valid.

**Mode for inputs area**

For selection of the function mode of the component controlled via the adjacent input.  
 Signal delay or extension can be entered in addition to standard mode.

For more information, see the topic [Signal delay for input signals](#).

**Note****Time setting area for inputs**

Time in secs:

Enter a time period in seconds for the function of the components controlled via the adjacent inputs.

Time specification is only possible for the signal extension and signal delay modes.

Values: 1...255 s; standard value: 1 s

**Mode for outputs area**

For selection of the function mode of the component controlled via the adjacent output.

You can select five operating modes.

The "Flashing mode", "Monoflop" and "Switch-on delay" functions are internally generated in the

I/O module DCW LON. If the relays are activated, a status telegram is generated so that the SNVTS can be set.

A static signal is always sent in the "Flashing mode" operating mode.



#### Note

Further information on the modes can be found under the topic of Function modes at outputs (classic parameterization interface).

#### Time setting area for outputs

Time in secs:

Enter a time period in seconds for the function of the components controlled via the adjacent inputs and outputs.

A time can only be specified for the monoflop function, switch-on delay or flashing mode monoflop.

Values: 1...255 s; standard value: 1 s

### 6.11.2 "Timer" (I/O) tab

You can specify time zones and their assigned functions on this tab.

For each device you can control which public holidays and other special days are to be used.

The I/O module can only save a limited number of time switch schedules, the number of schedules used is monitored by TMS Soft and a warning is shown in the event of exceeding the maximum values. Max. number of data records in the internal memory:

Daily schedules: max 14

Weekly schedules: max. 10

Special days: max. 16

Special areas: max. 16



#### Note

For more information, see the [Time switch functions](#) topic.

The Timer tab contains four sub-menus.

The functional scope of the time switch is dependent on the device.

#### "Date/time" tab

Tick all the check boxes on this tab if the system time and daylight saving time are to be automatically applied. Alternatively, you can manually set, transfer and read out the date and time.

#### "Date/time" area

Send system time of the computer:

By activating the check box, the system time of the computer is used and sent to the devices.



#### Note

When you click on **Transfer**, the date and time will not also be transferred if this box is not checked.

#### Date/time:

For manual entry of the date and time.

Manually entered data must be manually sent to the devices using the Transfer date/time button.

These fields are only active if the Send system time of the computer check .box is deactivated.

#### Transfer date/time:

Manually transmits the times entered to the devices.

This button is only available if the Send system time of the computer check box is deactivated.

#### Daylight saving time area

Use daylight saving time:

Specifies whether the time should be switched between daylight saving time and standard time.

Automatically set daylight saving time:

If the checkbox is activated, the Central European changeover data is automatically obtained from the system.

If the checkbox is deactivated, it is possible to enter the start and end manually.

#### Date and time area in TMS Soft

The current date and time of the computer are displayed here.

#### Settings area for transfer button

Here it is possible to specify what should happen when clicking on the Transfer button. If the box is checked, the current date and time of the computer as well as the daylight saving time setting will be sent to the door with all other parameter settings when the Transfer button is clicked.

If the box is not checked, only the parameter settings without date, time and daylight saving time settings will be sent. The current date and time of the computer as well as the daylight saving time settings can then be sent to the door using the "Transfer date / time / daylight saving time" button.



#### Note

If you work with time zones, the data for the start and end of daylight saving time must also be transferred once a year before the start of daylight saving time.

#### "Weekly program timer" tab

Weekly schedule selection field:

Selection of the weekly schedule to be used for the device.

Selection: All weekly and daily schedules stored in the main tab - Templates.

Info area: Shows the contents of the weekly schedule.

#### "Public holidays/special days" tab

Which public holidays and special days should be used for the time control are defined on this tab.

One relay can be activated within a time window of the weekly schedule.

In addition, special days (public holidays) are taken into account on which activation of the relay is prevented (no time zone) or another time zone is valid.

Delete:

Deletes all marked entries from the list.

Insert:

Opens the template from which more public holidays/special days can be added.

Standard public holidays:

Inserts all public holidays stored in the template.

#### "Holidays/Special areas" tab

Which public holidays and special areas should be used for the time control are defined on this tab.

One relay can be activated within a time window of the weekly schedule.

In addition, special days (public holidays) are taken into account on which activation of the relay is prevented (no time zone) or another time zone is valid.

Delete:

Deletes all marked entries from the list.

Insert:

Opens the template from which more Holidays/special areas can be added.

## 6.12 TE60 device type

The main Parameter settings tab for TE devices has two tabs.



#### Note

Further information on TE devices can be found under the topic [Use of TE devices](#).

### 6.12.1 "Device assignment" (TE) tab

On the Device assignment tab, the appropriate status of the device type is selected for each module so that the status information can be correctly evaluated and displayed on the TE60.

#### Modules area

Selection of the corresponding device type per module.

Each TE60 has six modules.

Each module is only able to visualize one known door control unit and remote control it from the membrane keyboard.



#### Note

The "Status from TMS control unit" is also selected for TMS Compact/Comfort.



### 6.12.2 "Times" (TE) tab

On the Times tab, the times are set for the alarm duration of the internal signal generator and the monitoring time.

#### Monitoring area

##### Alarm duration limit:

Specifies the duration of the signal alarm on the TE60 modules in seconds.

Values: 0...255 s;

Standard value: 180 s

##### Network connection monitoring time:

Specifies the monitoring interval for the network connection in seconds.

Values: 5...120 s;

Standard value: 50 s



#### Note

The status messages (adjustable under communication) are cyclically sent from the PC to the TE60 panel. The six TE60 display modules are monitored via internal status watchdog timers.

If a status message fails to appear within the monitoring time, the red and green LEDs flash alternately at a corresponding TE60 display module (approx. 1 Hz).



#### ATTENTION

The monitoring time should be selected in such a way that the status query of a device is sent at least twice per monitoring interval to compensate for faulty or lost status telegrams.

## 6.13 SCMC80 device type

The main Parameter settings tab for SCMC80 devices has three tabs.

### 6.13.1 "Device assignment" tab

On the Device assignment tab, the appropriate status of the device type is selected for each module so that the status information can be correctly evaluated and displayed on the SCMC.

#### Modules area

Selection of the corresponding device type per module. Each SCMC has 8 modules. Each module controls and visualizes the selected device type. One module corresponds to the row of the SCMC80.

### 6.13.2 "Times" tab

On the Times tab, the times are set for the alarm duration of the internal signal generator and the monitoring time.

#### Monitoring area

##### Alarm duration limit:

Specifies the duration of the signal alarm on the SCMC80 modules in seconds.

Values: 0...255 s;

Standard value: 180 s

##### Network connection monitoring time:

Specifies the monitoring interval for the network connection in seconds.

Values: 5...120 s;

Standard value: 50 s



#### Note

The status messages (adjustable under communication) are cyclically sent from the PC to the SCMC80 panel.

The 8 SCMC80 display modules are monitored via internal status watchdog timers.

If a status message fails to appear within the monitoring time, the red and green LEDs flash alternately at a corresponding SCMC80 display module (approx. 1 Hz).



#### ATTENTION

The monitoring time should be selected in such a way that the status query of a device is sent at least twice per monitoring interval to compensate for faulty or lost status telegrams.

### 6.13.3 "Alarm management" tab

The frequencies of the LEDs as well as the internal emergency button buzzer can be parameterized on this tab.

#### Green LED

Flashing mode 1 frequency (1 ... 5 Hz):

Selection of a frequency for the green LED.

Frequencies of between 1 and 5 can be selected in increments of 0.5.

Flashing mode 1 PWM (10 ... 90%):

Selection of a pulse width within the set frequency.

Specifies the duty cycle of the LED.

Flashing mode 2 frequency (1 ... 5 Hz):

Selection of a frequency for the green LED.

Frequencies of between 1 and 5 can be selected in increments of 0.5.

Flashing mode 2 PWM (10 ... 90%):

Selection of a pulse width within the set frequency.

Specifies the duty cycle of the LED.

#### Red LED

Flashing mode 1 frequency (1 ... 5 Hz):

Selection of a frequency for the green LED.

Frequencies of between 1 and 5 can be selected in increments of 0.5.

Flashing mode 1 PWM (10 ... 90%):

Selection of a pulse width within the set frequency.

Specifies the duty cycle of the LED.

Flashing mode 2 frequency (1 ... 5 Hz):

Selection of a frequency for the green LED.

Frequencies of between 1 and 5 can be selected in increments of 0.5.

Flashing mode 2 PWM (10 ... 90%):

Selection of a pulse width within the set frequency.

Specifies the duty cycle of the LED.

#### Yellow LED

Flashing mode 1 frequency (1 ... 5 Hz):

Selection of a frequency for the green LED.

Frequencies of between 1 and 5 can be selected in increments of 0.5.

Flashing mode 1 PWM (10 ... 90%):

Selection of a pulse width within the set frequency.

Specifies the duty cycle of the LED.

Flashing mode 2 frequency (1 ... 5 Hz):

Selection of a frequency for the green LED.

Frequencies of between 1 and 5 can be selected in increments of 0.5.

Flashing mode 2 PWM (10 ... 90%):

Selection of a pulse width within the set frequency.

Specifies the duty cycle of the LED.

#### Blue LED

Flashing mode 1 frequency (1 ... 5 Hz):

Selection of a frequency for the green LED.

Frequencies of between 1 and 5 can be selected in increments of 0.5.

Flashing mode 1 PWM (10 ... 90%):

Selection of a pulse width within the set frequency.

Specifies the duty cycle of the LED.

Flashing mode 2 frequency (1 ... 5 Hz):

Selection of a frequency for the green LED.

Frequencies of between 1 and 5 can be selected in increments of 0.5.

Flashing mode 2 PWM (10 ... 90%):

Selection of a pulse width within the set frequency.

Specifies the duty cycle of the LED.

#### Buzzer (piezo)

Signal mode 1 frequency (1 ... 5 Hz):

Selection of a frequency for the alarm.

Frequencies of between 1 and 5 can be selected in increments of 0.5.

Signal mode 2 PWM (10 ... 90%):

Selection of a pulse width within the set frequency.

Signal mode 1 frequency (1 ... 5 Hz):

Selection of a frequency for the green LED.

Frequencies of between 1 and 5 can be selected in increments of 0.5.

Signal mode 2 PWM (10 ... 90%):

Selection of a pulse width within the set frequency.

## 6.14 SCMC20 device type

The main Parameter settings tab for SCMC80 devices has three tabs.

### 6.14.1 "SCMC80" tab

The tab lists 8 SCMC80 devices.

Each device has a device assignment and alarm management.

#### "Device assignment" tab

Only the red and green button functions can be set on this tab. The SCMC20 can manage up to 8 SCMC80s. They are assigned via the DCW address.  
One SCMC80 can manage up to 8 doors.

The red and green key functions set which switch command (Switch commands 1 to 5) should be executed if a red or green button is pressed on the SCMC80.

The function behind a switch command can be set in the SCU-XX parameterization on the Special functions – TMS Soft switch commands tab.

#### "Alarm management" tab

The frequencies of the LEDs as well as the internal emergency button buzzer can be parameterized on this tab.

##### Green LED

Flashing mode 1 frequency (1 ... 5 Hz):

Selection of a frequency for the green LED.

Frequencies of between 1 and 5 can be selected in increments of 0.5.

Flashing mode 1 PWM (10 ... 90%):

Selection of a pulse width within the set frequency.

Specifies the duty cycle of the LED.

Flashing mode 2 frequency (1 ... 5 Hz):

Selection of a frequency for the green LED.

Frequencies of between 1 and 5 can be selected in increments of 0.5.

Flashing mode 2 PWM (10 ... 90%):

Selection of a pulse width within the set frequency.

Specifies the duty cycle of the LED.

##### Red LED

Flashing mode 1 frequency (1 ... 5 Hz):

Selection of a frequency for the green LED.

Frequencies of between 1 and 5 can be selected in increments of 0.5.

Flashing mode 1 PWM (10 ... 90%):

Selection of a pulse width within the set frequency.

Specifies the duty cycle of the LED.

Flashing mode 2 frequency (1 ... 5 Hz):

Selection of a frequency for the green LED.

Frequencies of between 1 and 5 can be selected in increments of 0.5.

Flashing mode 2 PWM (10 ... 90%):

Selection of a pulse width within the set frequency.

Specifies the duty cycle of the LED.

##### Yellow LED

Flashing mode 1 frequency (1 ... 5 Hz):

Selection of a frequency for the green LED.

Frequencies of between 1 and 5 can be selected in increments of 0.5.

Flashing mode 1 PWM (10 ... 90%):

Selection of a pulse width within the set frequency.

Specifies the duty cycle of the LED.

Flashing mode 2 frequency (1 ... 5 Hz):

Selection of a frequency for the green LED.

Frequencies of between 1 and 5 can be selected in increments of 0.5.

Flashing mode 2 PWM (10 ... 90%):

Selection of a pulse width within the set frequency.

Specifies the duty cycle of the LED.

##### Blue LED

Flashing mode 1 frequency (1 ... 5 Hz):

Selection of a frequency for the green LED.

Frequencies of between 1 and 5 can be selected in increments of 0.5.

Flashing mode 1 PWM (10 ... 90%):

Selection of a pulse width within the set frequency.

Specifies the duty cycle of the LED.

Flashing mode 2 frequency (1 ... 5 Hz):

Selection of a frequency for the green LED.

Frequencies of between 1 and 5 can be selected in increments of 0.5.

Flashing mode 2 PWM (10 ... 90%):

Selection of a pulse width within the set frequency.

Specifies the duty cycle of the LED.

#### Buzzer (piezo)

Signal mode 1 frequency (1 ... 5 Hz):

Selection of a frequency for the alarm.

Frequencies of between 1 and 5 can be selected in increments of 0.5.

Signal mode 2 PWM (10 ... 90%):

Selection of a pulse width within the set frequency.

Signal mode 1 frequency (1 ... 5 Hz):

Selection of a frequency for the green LED.

Frequencies of between 1 and 5 can be selected in increments of 0.5.

Signal mode 2 PWM (10 ... 90%):

Selection of a pulse width within the set frequency.

## 6.14.2 Tab "SCMC20 settings"

### "Times" tab

On the Times tab, the times are set for the alarm duration of the internal signal generator and the monitoring time.

#### Monitoring area

Alarm duration limit:

Specifies the duration of the signal alarm on the SCMC20 module in seconds.

Values: 0...255 s;

Standard value: 180 s

Network connection monitoring time:

Specifies the monitoring interval for the network connection in seconds.

Values: 5...120 s;

Standard value: 50 s



#### Note

The status messages (adjustable under communication) are cyclically sent from the PC to the SCMC80 panel.

The 8 SCMC80 display modules are monitored via internal status watchdog timers.

If a status message fails to appear within the monitoring time, the red and green LEDs flash alternately at a corresponding SCMC80 display module (approx. 1 Hz).



#### ATTENTION

The monitoring time should be selected in such a way that the status query of a device is sent at least twice per monitoring interval to compensate for faulty or lost status telegrams.

### "Miscellaneous" tab

The Miscellaneous tab is divided into Display mode and Times.

#### Display mode area

Retriggering dead man:

If dead man's switch monitoring is activated, the SCMC20 In1 will be monitored cyclically.

The monitoring interval will be set using "Dead man's switch retriggering".

If the emergency open delay time T2 is active, the SCMC20 expects a pulse at In1 every xx seconds.

If this pulse stops, T2 is canceled and the door is immediately released.

Warning before dead man's switch time expires:

Reminder signal tone: the dead man's switch time will expire in x seconds.

Follow-up for emergency button press (access denied):

This parameter is active when the emergency button is switched off (activated via SCMC30).

A locally pressed emergency button does not lead to the door lock release, but triggers an acoustic and visual alarm in the panel.

The parameter defines the alarm duration on the panel after the local emergency button is no longer pressed.

Follow-up for handle operation:

This parameter is active when using SVP/SVA locks (SVP/SVA 2xxx, 4xxx, 6xxx).

If the handle of the lock is pressed, a local alarm is triggered as well as an optical and

acoustic alarm in the panel.

The parameter specifies the alarm duration on the panel after the local door handle is no longer pressed.

Times area

Brightness:

The illuminated ring's display brightness on the SCMC20 can be set in stages from 0 to 255.

The value 0 is not recommended.

Blink mode frequency, SCMC20/30/40:

Selection of a frequency.

Frequencies of between 1 and 5 can be selected in increments of 0.5.

PWM SCMC20/30/40 blink mode:

Selection of a pulse width within the set frequency.

Specifies the duty cycle of the LED.

Dead man's circuit T2 via IN1:

The checkbox activates dead-man monitoring (by default not activated).

"Alarm management" tab

The volume is set on this tab.

Alarm name: Name of the alarm type.

Volume:

Selection of the alarm volume

Possible values are Soft (1), Medium (2), Loud (3) or Off (0).

### 6.14.3 "Date/time" tab

Tick all the check boxes on this tab if the system time and daylight saving time are to be automatically applied.

Alternatively, you can manually set, transfer and read out the date and time.

Date/time area for door

Read the date and time from the door:

Reads the current time from the hardware on the door.

Date/time:

For manual entry of the date and time.

Manually entered data must be manually sent to the devices using the Transfer button.

Alternatively, the date, time and daylight saving time can also be separately transmitted. To do this check the "Send date, time and daylight saving time from TMS to the door" box.

Daylight saving time area

Use daylight saving time:

Specifies whether the time should be switched between daylight saving time and standard time.

Automatically set daylight saving time:

If the checkbox is activated, the Central European changeover data is automatically obtained from the system.

If the checkbox is deactivated, it is possible to enter the start and end manually.

Date and time area in TMS Soft

The current date and time of the computer are displayed here.

Settings area for transfer button

Here it is possible to specify what should happen when clicking on the Transfer button.

If the box is checked, the current date and time of the computer as well as the daylight saving time setting will sent to the door with all other parameter settings when the Transfer button is clicked.

If the box is not checked, only the parameter settings without date, time and daylight saving time settings will be sent. The current date and time of the computer as well as the daylight saving time settings can then be sent to the door using the "Transfer date / time / daylight saving time" button.



#### Note

If you work with time zones, the data for the start and end of daylight saving time must also be transferred once a year before the start of daylight saving time.



#### Note

The date and time are exclusively for history, so that events are marked with a date and time stamp.

## 7 User administration

User profiles are created in TMS Soft via the main tab User administration and their rights are managed door by door.

The Profiles tab provides predefined user profiles.

### 7.1 "User" tab

On the User tab, new users can be created and a profile and password can be assigned to existing users.

#### User area

Selection field of existing users.

Select the user whose rights you wish to edit.

Following the selection, you are able to check the rights in all the main tabs, without having to log in to TMS Soft with the user name.

#### Password area

Click the >> button, to change the password for the current user.

#### Rights profile area

Selection field of existing profiles.

Select the authorization profile of the current user for all door control units.

#### Visualization area for assigning users

Select a user to copy the data of this user in the Visualization main tab to the user shown in the User area.

#### New user button:

Opens an empty user data record.

Enter a name in the User area and click on "Save" in order to create the new user in the database.

#### Reset button:

Deletes the data entered and loads the last saved values from the database.

#### Delete button:

Deletes the data record from the database.

There must always be at least one user with an administrator profile. This cannot be deleted.

Save button:

Saves all changes in the database.

If the button is red, changes were made that must be saved in the database.

## 7.2 "Rights for user and door" tab

On the Rights for user and door tab, the selected user's predefined profile can be changed for individual doors.

The screenshot shows the 'User administration' window in TMS-Soft Pro V5.0.049.18. The 'Rights for user and door' tab is selected. The 'Door name' is 'Training 1' and 'Door address' is '1'. The 'Current profile' is 'Admin'. A tree view on the left shows various rights categories, all of which are checked. At the bottom, there are 'Assign new profile' and 'Save' buttons.

Door description:

Selection field of existing doors.

Select the door whose rights you wish to edit.

Current profile:

Displays the assigned profile.

In order to change the profile, click on the Assign new profile button and select the profile whose rights you wish to edit.

If the selected profile has been changed in the structure tree, "Door specific" is output here.

The structure tree shows the rights/function options of the selected door, which can be controlled by TMS Soft.

The selected areas/functions are activated or deactivated by means of check boxes.



### Note

Changes to rights for the door and user do not affect the rights of the profile.

New user button:

Activates the Current profile selection field.

Save button:

Saves all changes in the database.

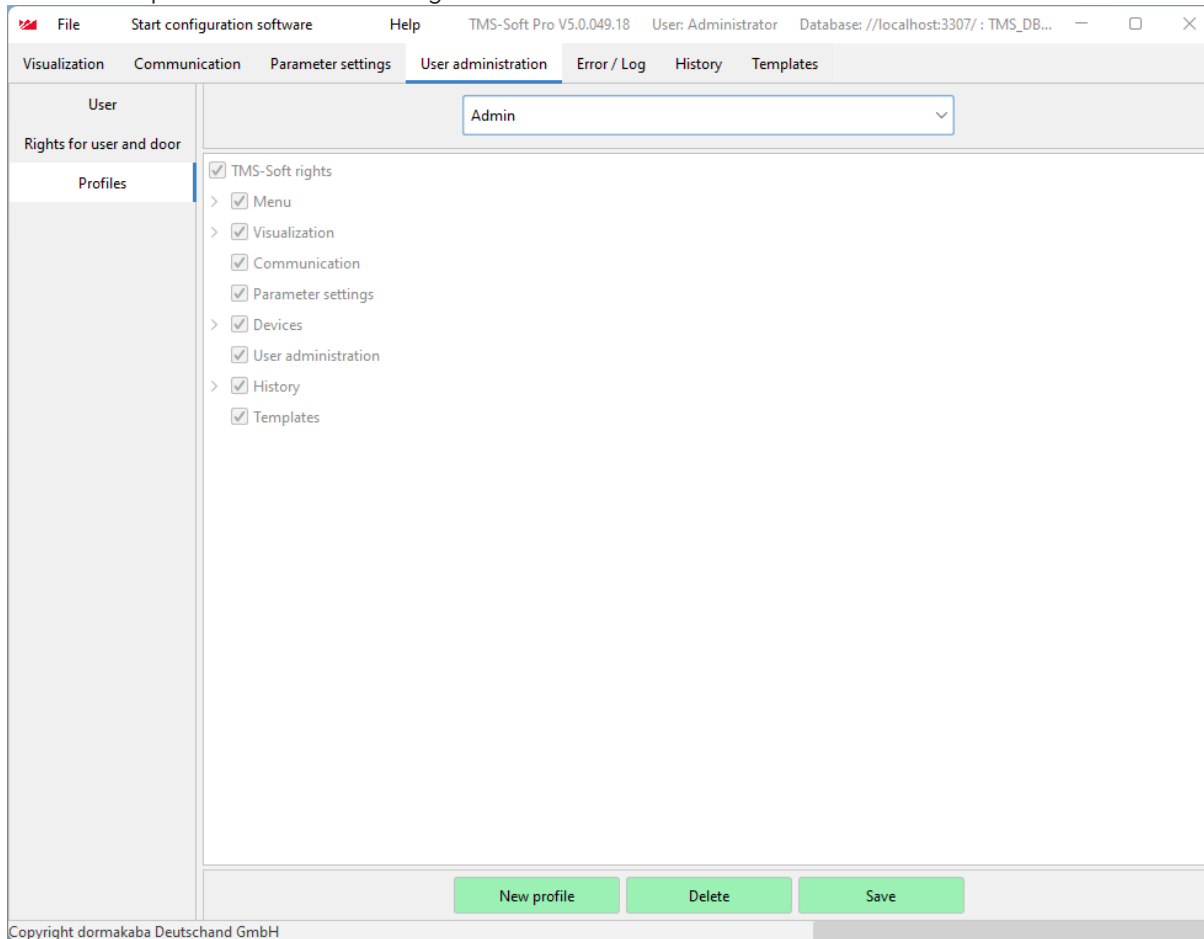
If the button is red, changes were made that must be saved in the database.

### 7.3 "Profiles" tab

The Profiles tab is used to manage the profiles in which the user authorizations for the TMS Soft program functions are defined.

You have the option of creating new profiles or changing them.

Preinstalled profiles cannot be changed.



Selection field of existing profiles:

Select the profile whose rights you wish to edit.

Predefined profiles:

- "Visualization": enables the user to merely operate the door management via the function keys in the Visualization main tab. All other functions in TMS Soft are disabled.
- "Switch visualization and history": In addition to the "Visualization" profile, the user has access to the History main tab.
- "Modify": In addition to the "Switch visualization and history" profile, the user may execute any door management functions. He may initialize and parameterize new and existing doors.
- "Admin": Users with this profile have unrestricted rights in TMS Soft in relation to user administration, new settings in the tabs, sending data to the doors and newly creating and deleting users. These functions should only be made available to the administrator.

The structure tree illustrates the rights/function options of the selected profile. The selected areas/functions for the profile are activated or deactivated by means of check boxes.



#### Note

Changes to a profile immediately take effect after saving for all assigned users.



**New profile button:**

Opens an empty profile data record.

Enter a name in the selection field and click on Save, in order to create the new profile in the database.

**Delete button:**

Deletes the currently selected profile from the database.

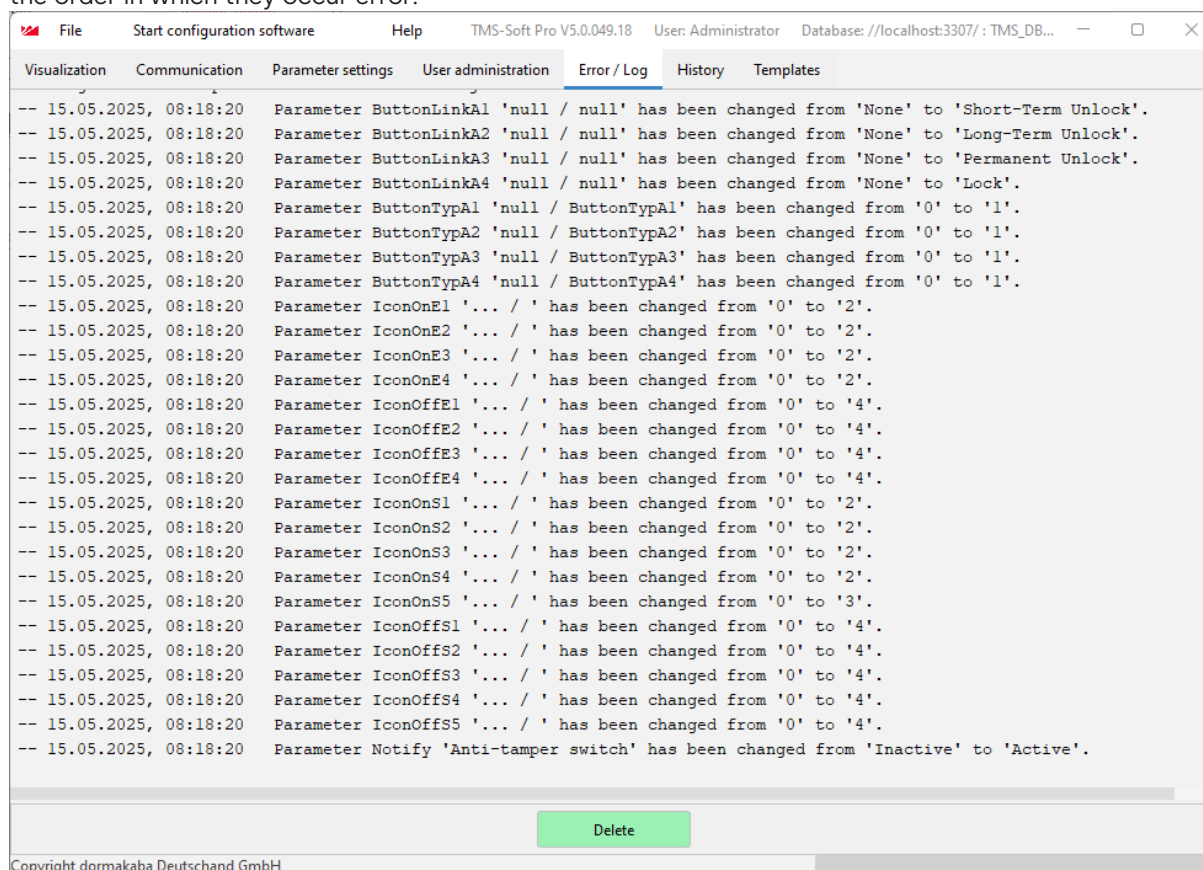
**Save button:**

Saves all changes in the database.

If the button is red, changes were made that must be saved in the database.

## 8 Error/Log main tab

The Error / Log main tab documents any incident reports which have occurred as well as changes in TMS Soft in the order in which they occur error.



Delete button:

Deletes all entered error messages in the program window.

Save button:

Saves all recorded error messages as "PROTOKOLL.TXT" text file in the program directory of TMS Soft.



### Note

The existing protocol file is overwritten upon saving.

## 9 History main tab

The History main tab shows an overview table of all alarm statuses and switching/control actions of the doors.

| Serial... | Address                          | Door name | Time                | Acknowledged on     | Action type / TMS-Soft switch commands | History source  |
|-----------|----------------------------------|-----------|---------------------|---------------------|--|-----------------|
| 6176      | 7 T3 - 4 doors                   |           | 15.05.2025 08:43:54 |                     | Wrong door address                     | NACK            |
| 6177      | 8 T4 - 4 doors                   |           | 15.05.2025 08:43:54 |                     | Wrong door address                     | NACK            |
| 6178      | 8 T4 - 4 doors                   |           | 15.05.2025 08:44:24 |                     | No communication                       |                 |
| 6179      | 7 T3 - 4 doors                   |           | 15.05.2025 08:44:44 |                     | No communication                       |                 |
| 6180      | 25 1st left                      |           | 15.05.2025 08:47:08 | 15.05.2025 08:47:13 | Short-Term Unlock                      | TMS-Soft        |
| 6181      | 13 2nd left VdS AT 092-1 outside |           | 15.05.2025 08:47:11 | 15.05.2025 08:47:11 | Long-Term Unlock                       | TMS-Soft        |
| 6182      | 5 T1 - 4 doors                   |           | 15.05.2025 08:47:14 | 15.05.2025 08:47:14 | Permanent Unlock                       | TMS-Soft        |
| 6183      | 6 T2 - 4 doors                   |           | 15.05.2025 08:47:16 | 15.05.2025 08:47:22 | Permanent Unlock                       | TMS-Soft        |
| 6184      | 5 T1 - 4 doors                   |           | 15.05.2025 08:47:21 | 15.05.2025 08:47:21 | Lock                                   | TMS-Soft        |
| 6185      | 6 T2 - 4 doors                   |           | 15.05.2025 08:47:27 | 15.05.2025 08:47:27 | Lock                                   | TMS-Soft        |
| 6186      | 14 T0.93-1 inner door            |           | 15.05.2025 08:47:27 | 15.05.2025 08:47:27 | Short-Term Unlock                      | TMS-Soft        |
| 6188      | 17 bidirectional sample          |           | 15.05.2025 08:47:36 | 15.05.2025 08:47:36 | Short-Term Unlock                      | TMS-Soft        |
| 6189      | 9 TMS 9                          |           | 15.05.2025 08:47:43 | 15.05.2025 08:47:46 | Short-Term Unlock                      | TMS-Soft        |
| 6190      | 9 TMS 9                          |           | 15.05.2025 08:47:45 | 15.05.2025 08:47:46 | Lock                                   | TMS-Soft        |
| 6191      | 13 2nd left VdS AT 092-1 outside |           | 15.05.2025 08:47:57 | 15.05.2025 08:48:07 | No communication                       |                 |
| 6192      | 17 bidirectional sample          |           | 15.05.2025 08:47:59 | 15.05.2025 08:47:59 | Short-Term Unlock                      | TMS-Soft        |
| 6193      | 17 bidirectional sample          |           | 15.05.2025 08:48:00 | 15.05.2025 08:48:01 | Lock                                   | TMS-Soft        |
| 6194      | 33 I/O-Modul (LON/LAN) 33        |           | 15.05.2025 08:49:43 | 15.05.2025 08:49:45 | Door parameters                        | TMS-Soft        |
| 6195      | 33 I/O-Modul (LON/LAN) 33        |           | 15.05.2025 08:49:56 | 15.05.2025 08:49:56 | I/O output 3 Off                       | TMS-Soft        |
| 6196      | 13 2nd left VdS AT 092-1 outside |           | 15.05.2025 08:49:56 | 15.05.2025 08:49:57 | Smoke alarm                            | Status telegram |
| 6197      | 33 I/O-Modul (LON/LAN) 33        |           | 15.05.2025 08:49:57 | 15.05.2025 08:49:57 | I/O output 3 On                        | TMS-Soft        |
| 6198      | 13 2nd left VdS AT 092-1 outside |           | 15.05.2025 08:50:08 | 15.05.2025 08:50:08 | Lock                                   | TMS-Soft        |
| 6199      | 33 I/O-Modul (LON/LAN) 33        |           | 15.05.2025 08:50:11 | 15.05.2025 08:50:11 | I/O output 3 Off                       | TMS-Soft        |
| 6200      | 13 2nd left VdS AT 092-1 outside |           | 15.05.2025 08:50:12 | 15.05.2025 08:50:13 | Smoke alarm                            | Status telegram |
| 6201      | 33 I/O-Modul (LON/LAN) 33        |           | 15.05.2025 08:50:13 | 15.05.2025 08:50:13 | I/O output 3 On                        | TMS-Soft        |
| 6202      | 13 2nd left VdS AT 092-1 outside |           | 15.05.2025 08:50:15 | 15.05.2025 08:50:15 | Long-Term Unlock                       | TMS-Soft        |

Each row in the table documents an event or action.

Click on a column header to sort the table in ascending or descending order based on that column. Slide a column header to the left or right using the mouse to change the arrangement of the columns.

Seq. No.:

Shows the consecutive number of the incident.

Address:

Shows the TMS Soft address of door where the incident occurred.

Door name:

Shows the name of door where the incident occurred.

Action start:

In the case of alarm, the time of triggering, in the case of a control action, the time when a telegram is sent are documented.

Action end:

In the case of an alarm, the time of the acknowledgment is documented.

Action type / TMS Soft switch commands:

Describes the event or action.

History source:

Contains the initiator of a control or readout action. In the case of alarm, the user who executed the alarm acknowledgment is logged.

User:

Contains the user name of the user, who initiated the readout process of the history data.

Print button:

Prints the current view of the history table.

Delete button:

Deletes all marked entries from the table.

Update button:

Downloads the current history data records.

Filter button:

Opens a pop-up dialog for filtering the history table according to certain features, such as all short-term unlocking operations on a specific door.

Green button:

All historical data is displayed;

Red button:

The data displayed are filtered.

Potential filter criteria:

- only commands, only alarms, only history
- Narrowing the address range
- Search by door name  
(% can be used as a wildcard character; e.g. T% will find all doors with names beginning with T).
- Search by action start and action end
- Search by action type / source
- Search by user
- Limit the number of data records

All criteria can be combined with each other.

**Filter**

☒ Show commands    ☒ Show alarms    ☒ Show histories

**Address**

☐ Apply    Lower than    5

**Door name**

☐ Apply    Unbenannt 1

**Time**

☐ Apply

From date: 01.01.1970    >>    Time: 01:00:00

To date: 01.01.1970    >>    Time: 01:00:00

**Acknowledged on**

☐ Apply

From date: 01.01.1970    >>    Time: 01:00:00

To date: 01.01.1970    >>    Time: 01:00:00

**Action type / Source**

☐ Apply       >>

**User**

☐ Apply    A%

**Maximum number of databases**

☐ Apply    100

Cancel    OK



#### Note

Commands and alarms are displayed as standard. In order to display histories, the histories must be read out from the SCU-xx or TMS control panels. For this purpose, refer to "History query" in the Visualization chapter.

## 10 Templates main tab

The Templates main tab is used to define the daily schedules and weekly schedules for time-based access control. Public holidays (special days) and holidays (special areas) can be defined for deviating access management.

This main tab comprises five tabs:

1. Time window
2. Daily schedules
3. Weekly schedules
4. Public holidays/special days
5. Holidays/special areas

### 10.1 "Time window" tab

The Time window tab is used to define the periods for access control. Time windows are an integral part of daily schedules.

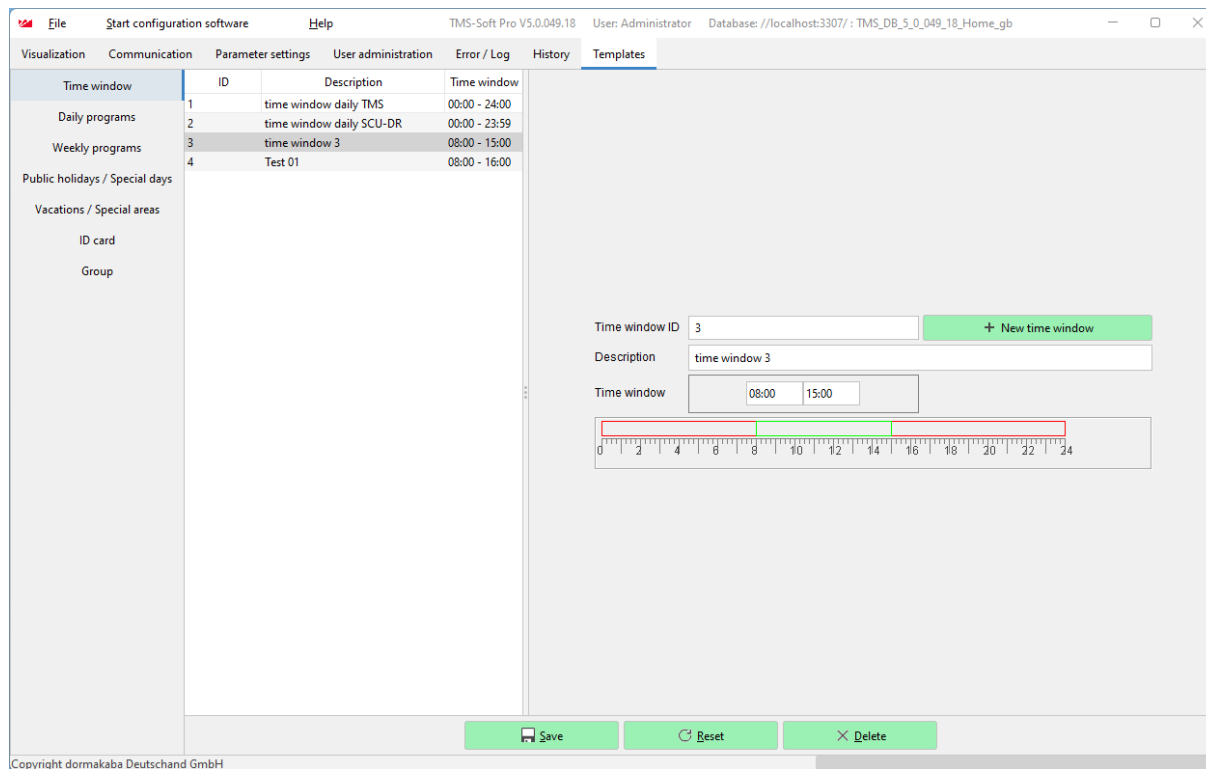
The left area of the window contains all the created time windows, the right area of the window is where the parameters are defined.



#### Note

Time windows 1 and 2 are available by default. They may be changed but not deleted.

In the "Permanent opening" standard daily schedule, time window 1 for TMS devices and time window 2 for SCU devices is used.



**Time window ID:**

Contains the unique time window number.

The number is automatically increased by one when creating a new data record, but you can also assign your own number.

**Description:**

Contains the description of the time window.

When entering a new description, all combinations of figures and letters are possible.

**Time window:**

Contains the valid time interval. Time format: hh:mm.

The respective time window is marked green on the scale.

**New time window button:**

Opens a new data record.

Enter a description and the times and then click on Save.

Once saved, the new data record is displayed on the left area of the window.

**Save button:**

Saves all changes in the database.

If the button is red, changes were made that must be saved in the database.

**Reset button:**

Deletes the data entered and loads the last saved values from the database.

**Delete button:**

Deletes the data record from the database.

## 10.2 "Daily schedules" tab

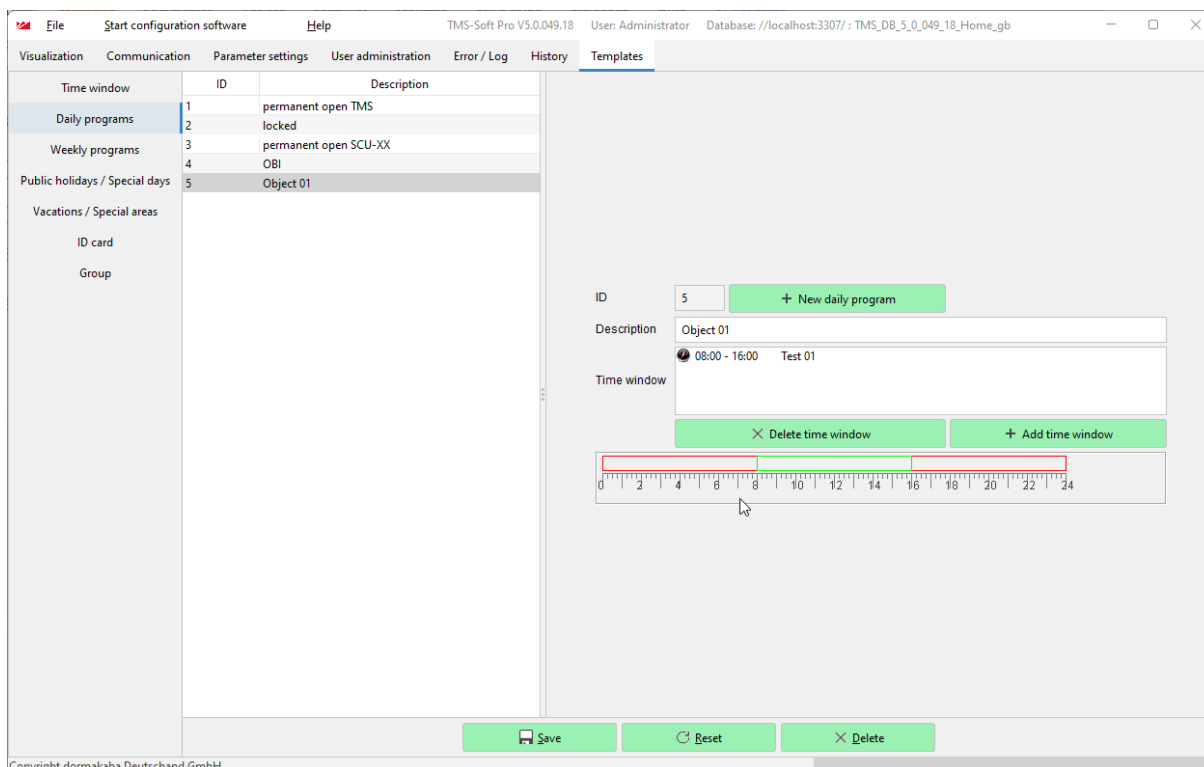
The Daily schedules tab is used to assign one or more time windows to a daily schedule. Daily schedules are integral parts of the weekly schedules.

The left part of the window contains all the created daily schedules, the right part is where the assignment takes place.



### Note

The "Permanent opening" and "Locked" (no opening) daily schedules are available by default and cannot be changed.



**ID card:**

Contains the unique daily schedule number.

The number is automatically increased by one when creating a new data record.

**Description:**

Contains the description of the daily schedule.

When entering a new description, all combinations of figures and letters are possible.

**Time window:**

Includes the assigned time intervals.

The time intervals of the assigned time windows are marked green on the scale.

**New daily program button:**

Opens a new data record.

Enter a description, add the time windows and then click on Save. Once saved, the new data record is displayed on the left area of the window.

**Delete time window button:**

Removes a marked time window from the assignment.

**Add time window button:**

Opens a pop-up dialog with all created time windows.

Mark one or more time windows and click on Add to perform an assignment.

**Save button:**

Saves all changes in the database.

If the button is red, changes were made that must be saved in the database.

**Reset button:**

Deletes the data entered and loads the last saved values from the database.

**Delete button:**

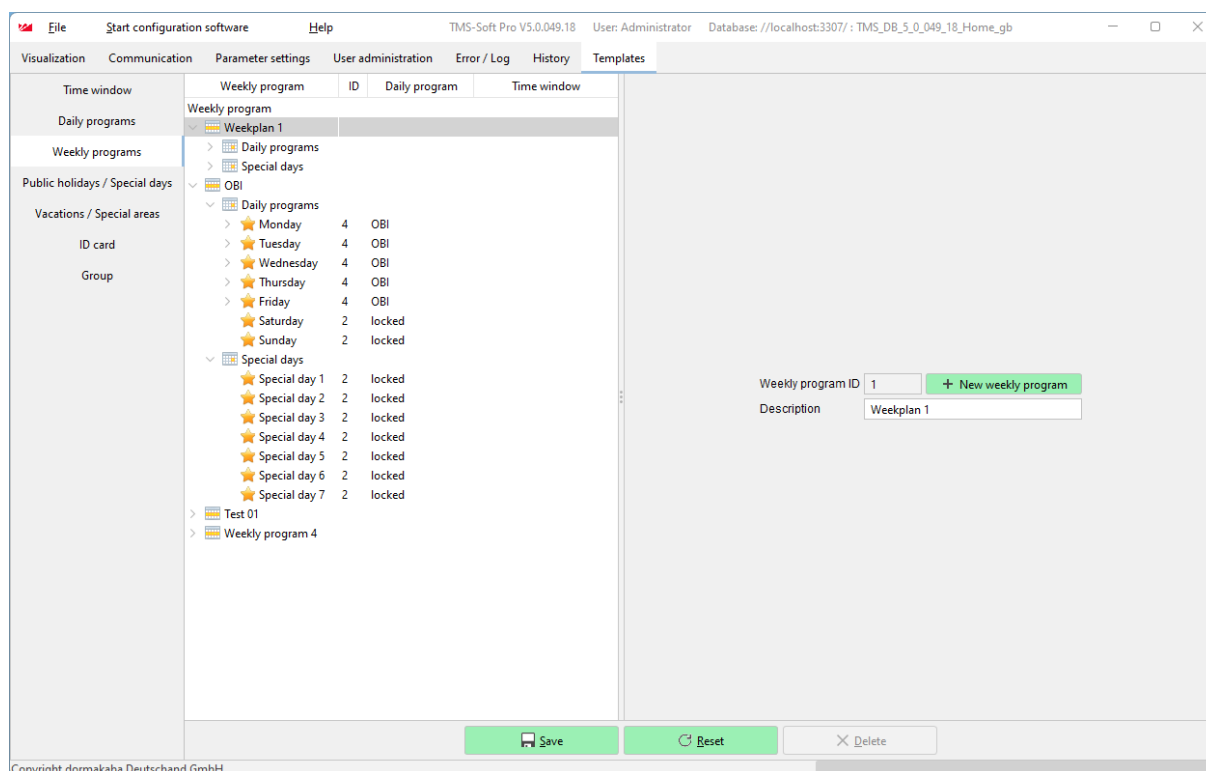
Deletes the data record from the database.

### 10.3 "Weekly schedules" tab

The Weekly programs tab is used to assign a daily program to every day of the week. Weekly schedules are integral parts of the time switch function.

The left area of the window contains all the created weekly schedules with their assignments.

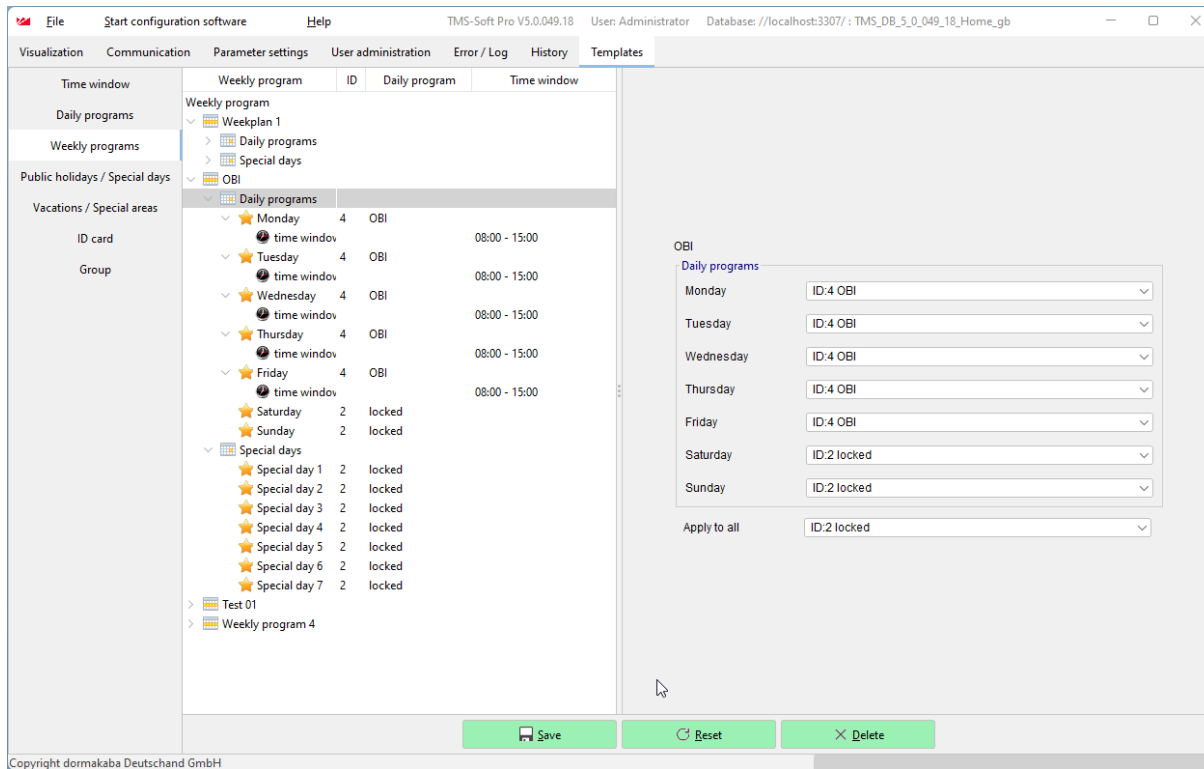
The right area of the window displays the parameters depending on the current selection.



Double-click on a node in the left area of the window to open this.

## Weekly schedule view

On the left area of the window mark a weekly schedule in order to create a new weekly schedule.



### Weekly program ID:

Contains the unique weekly schedule number.

The number is automatically increased by one when creating a new data record.

### Description:

Contains the description of the weekly schedule.

When entering a new description, all combinations of figures and letters are possible.



### Note

If you make changes to a weekly schedule, which has already been assigned devices, the changes must be transmitted again to all affected doors.

### New weekly program button:

Opens a new data record.

Enter a description and then click on Save.

The new weekly schedule is now visible in the left area of the window.

### Daily schedules view

In the left area of the window mark the "Daily schedules" or "Special days" of the respective weekly schedule, in order to assign a daily schedule to each day of the week.

### Monday to Sunday:

Selection of the daily schedule valid on the respective day of the week

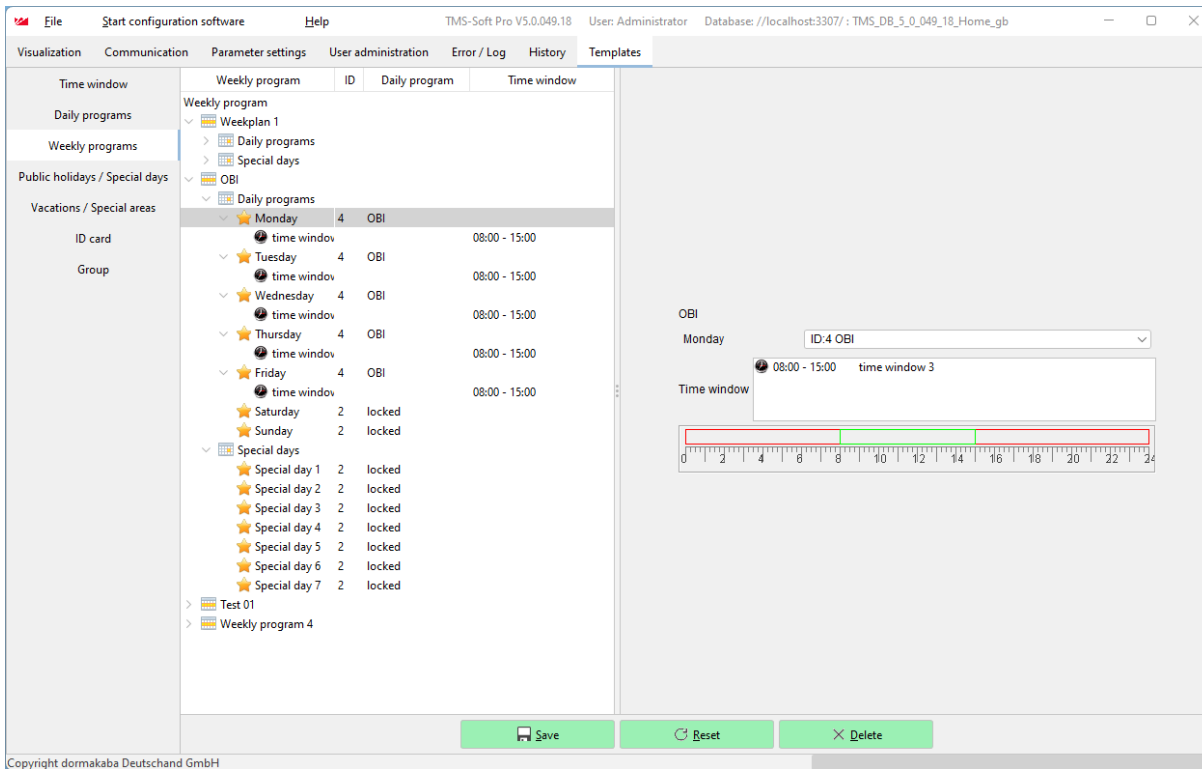
### Apply to all:

To simplify operation, a daily schedule can be selected via this selection field, which is then applied to all days of the week.

### Detailed view

On the left area of the window, select a day of the week or a special day to show a detailed view of the applicable time windows.





#### Save button:

Saves all changes in the database.

If the button is red, changes were made that must be saved in the database.

#### Reset button:

Deletes the data entered and loads the last saved values from the database.

#### Delete button:

Deletes the data record from the database.

### 10.4 "Public holidays / Special days" tab

The Public holidays/Special days tab is used to maintain public holidays on which deviating time switch functions should apply.

Public holidays are included in weekly schedules in the form of special days. Legal public holidays are preinstalled by default.

The left area of the window contains all the created public holidays, the right area of the window is where the parameters are defined.

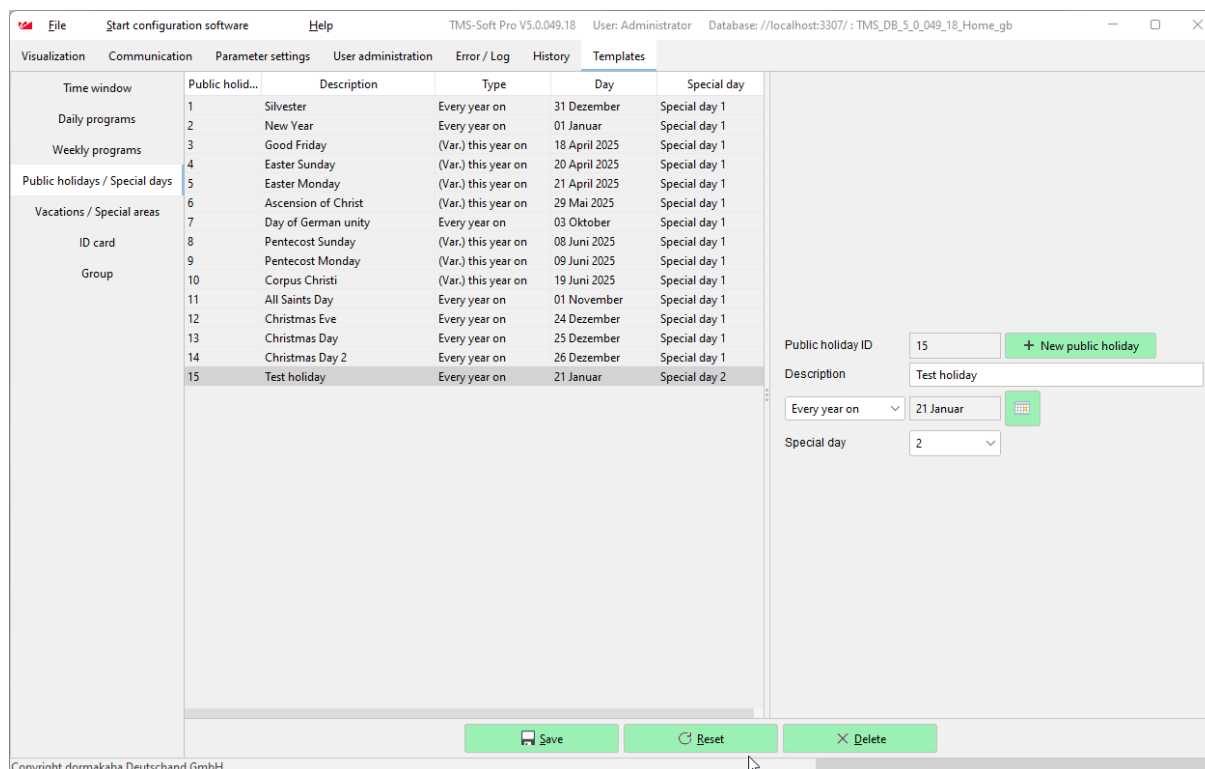
#### New public holiday button:

Creates a new data record. Enter a description and a date, select the special day and then click on Save.

#### Public holiday ID:

Contains the unique public holiday number.

The number is automatically increased by one when creating a new data record.



#### Description:

Contains the description of the public holiday.

When entering a new description, all combinations of figures and letters are possible.

#### Every year on / This year only on:

Selection as to whether the public holiday is a one off or occurs each year on the same date.

Includes the assigned time intervals.

The time intervals of the assigned time windows are marked green on the scale.

The  button will open a Calendar pop-up dialog for entering the date.

#### Special day:

Selection of the special day which is linked to the public holiday.

The daily schedule valid for the special day is defined on the Weekly schedules tab.

Seven different special days can be created.

#### Save button:

Saves all changes in the database.

If the button is red, changes were made that must be saved in the database.

#### Reset button:

Deletes the data entered and loads the last saved values from the database.

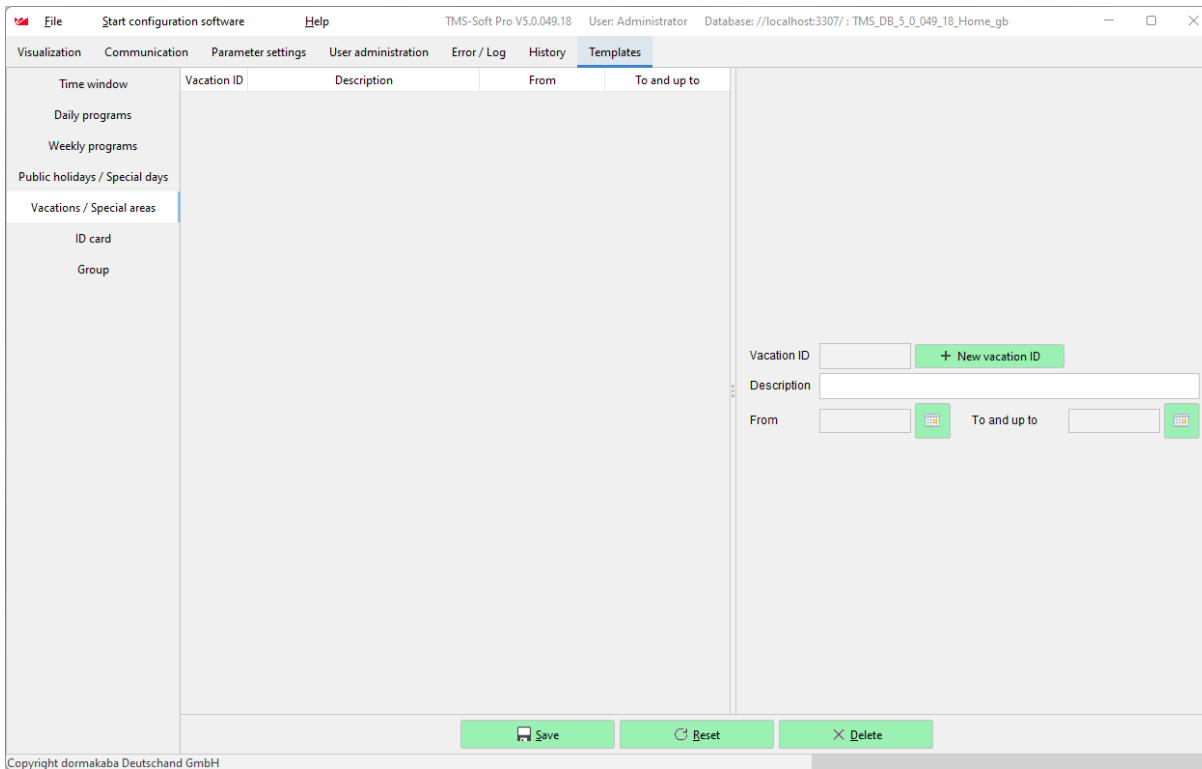
#### Delete button:

Deletes the data record from the database.

## 10.5 "Vacations / Special areas" tab

The Holidays/Special areas tab is used to maintain periods on which deviating time switch functions should apply.

The left area of the window contains all the created holidays, the right area of the window is where the parameters are defined.



#### New vacation ID button:

Opens a new data record.

Enter a description and a date, select the start and end date and then click on Save.

Once saved, the new data record is displayed on the left area of the window.

#### Vacation ID:

Contains the unique holiday number.

The number is automatically increased by one when creating a new data record.

#### Description:

Contains the description of the holiday.


When entering a new description, all combinations of figures and letters are possible.

#### from:

Contains the first day of the holiday (start date).

#### up to and including:

Contains the last day of the holidays (end date).

The  button will open a Calendar pop-up dialog for entering the date.

#### Save button:

Saves all changes in the database.

If the button is red, changes were made that must be saved in the database.

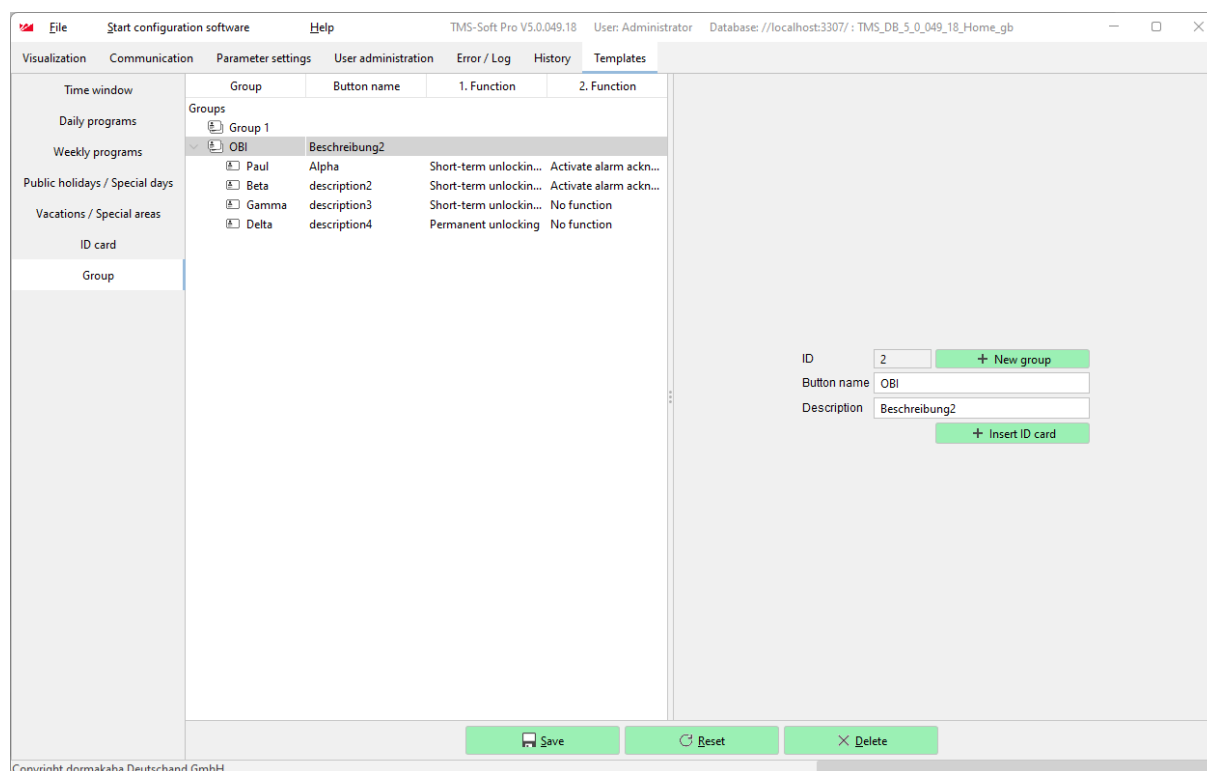
#### Reset button:

Deletes the data entered and loads the last saved values from the database.

## 10.6 "Group" tab

The Group tab includes the IDs.

In order to authorize IDs in an SCU, each ID must be assigned to a group.

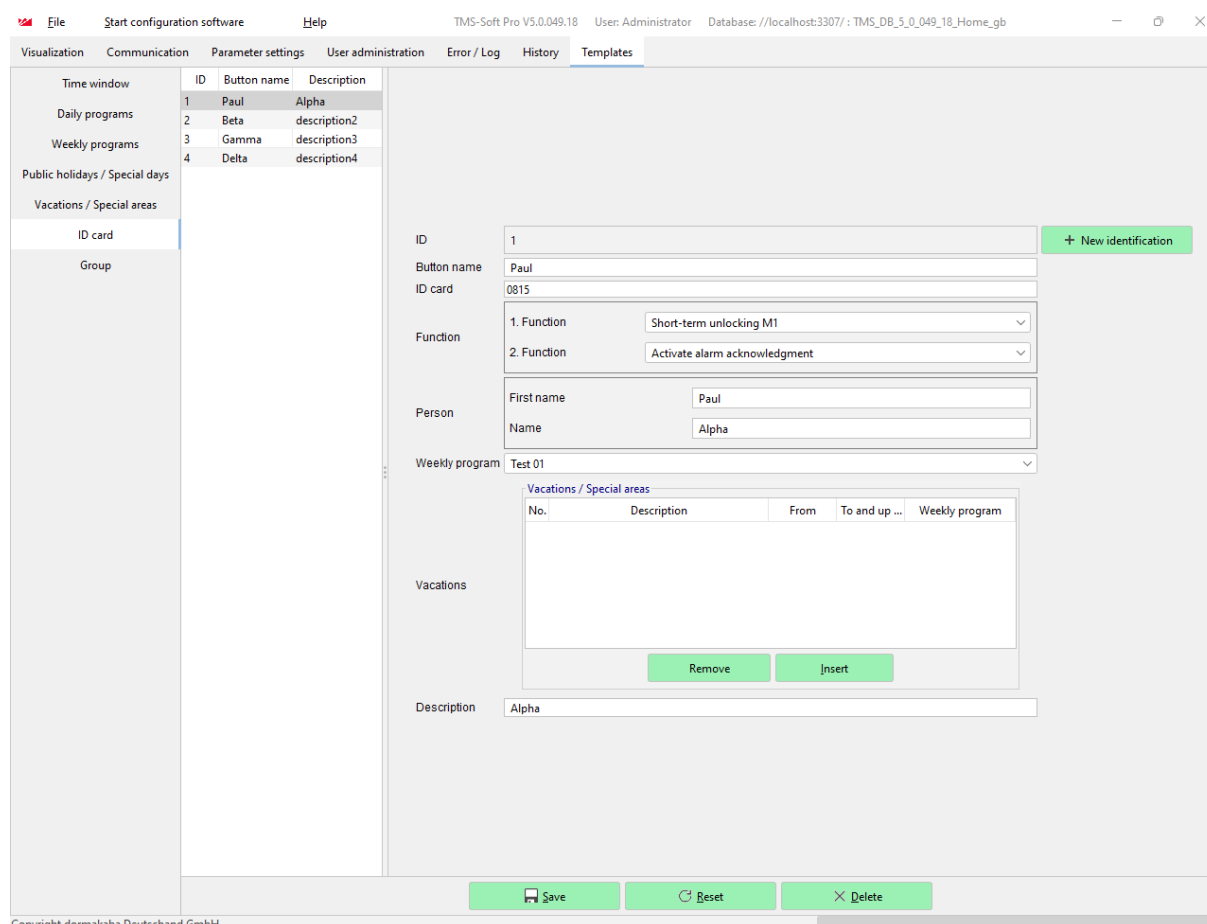


## 10.7 "ID" tab

An ID card can be a 4 ... 6-digit PIN code.

The input is performed via an STD (Touch display).

Each SCU system door can manage the maximum number of different codes.



New identification button:

Creates a new ID.

ID:

Automatic counter

Text field for the unique ID name

ID card:

ID (PIN code)

Function:

Function to be executed upon valid entry

The Alarm acknowledgment command waits for 5 s to ensure that the emergency button can be pressed once again on site for the SafeRoute system following entry of a valid PIN code, in order to acknowledge the release.

Person:

First and last name

Weekly schedule:

Weekly schedule on which the access code should be valid

Vacations:

Holidays and special areas where access should be blocked

Remove button:

Removes the marked data record in the Holidays field

Insert button:

Opens a context window for selecting the holidays and special areas to be inserted

Description:

Text field for entering ID details

Save button:

Saves the data record to the database.

Reset button:

Resets the previous status.

A reset is no longer possible following saving or transmission

Delete button:

Deletes the ID from the database.

11 Annex

In this section you will find detailed resources and information.

11.1 Additional documents

| File name                                      | Contents   | Link |
|--|--|------|
| TMS Handbuch V4.3 LON Tableau.pdf              | Parameterization and visualization of the TE25 and TE60 panels with TMS Soft                             |      |
| TMS Handbuch V4.3 LAN LON Parallel-Tableau.pdf | Operation of TE25 Basic 2L and TE60 Control 2L with LON or LAN as a parallel display panel with TMS Soft |      |

11.2 Signal delay and extension

Signal delays and extensions can be parameterized for correct communication with connected external devices. These function according to the following principles.

Signal extension for input signals

If an incoming pulse from an external device is too short, you can extend this so it can be further processed correctly.  
As an incoming second pulse would extend the signal within the extension, the signal length and pulse frequency are tailored to each other.

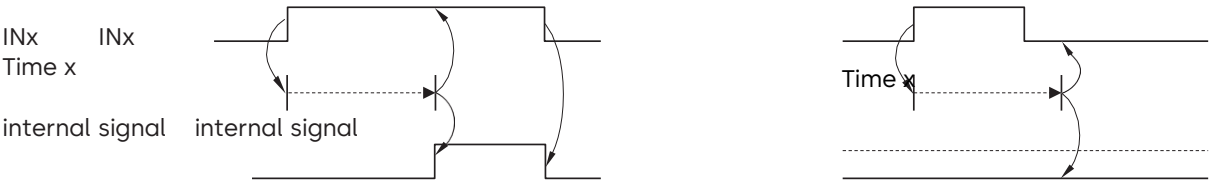
Signal extension



Signal delay for input signals

If an incoming pulse from an external device is too long, you can shorten this so it can be further processed correctly, for example, for device synchronization (right illustration). If the incoming pulse is shorter than the set time, it has zero effect (left illustration).

Signal delay



11.3 Function modes at outputs (classic parameterization interface)

The following function modes are available for parameterizing outputs.

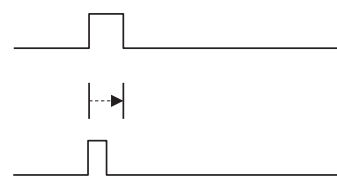
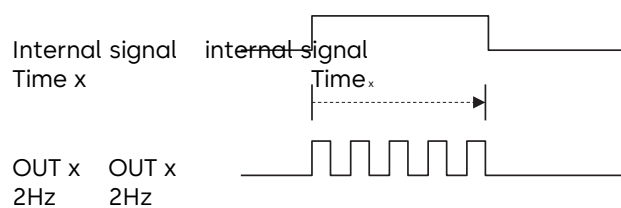
Normal

Normal



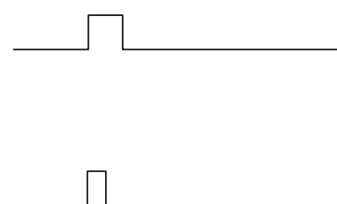
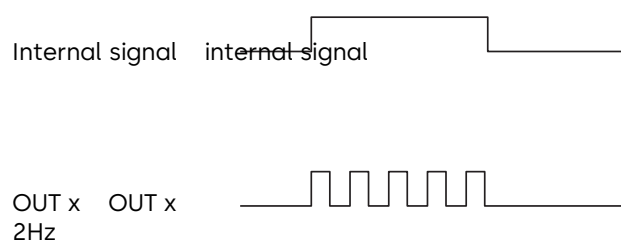
## Flashing mode (monoflop)

## Flashing mode (monoflop)



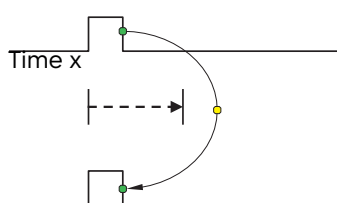
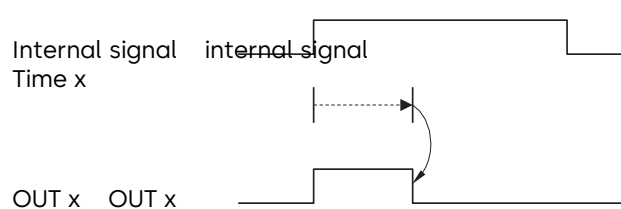
## Flashing mode(permanent)

## Flashing mode(permanent)



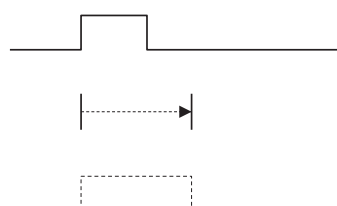
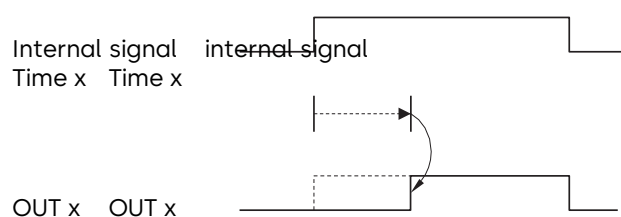
## Monoflop

## Monoflop



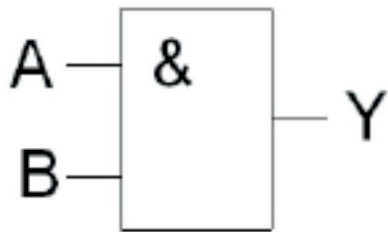
## Switch-on delay

## Switch-on delay



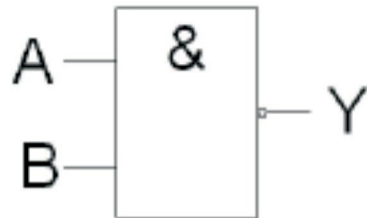
## 11.4 Logic gates

## 11.4.1 AND gates



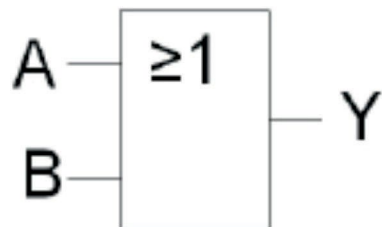
| A | B | Y |
|---|---|---|
| 1 | 1 | 1 |
| 1 | 0 | 0 |
| 0 | 1 | 0 |
| 0 | 0 | 0 |

#### 11.4.2 NAND gates



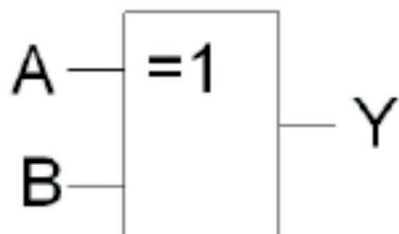
| A | B | Y |
|---|---|---|
| 1 | 1 | 0 |
| 1 | 0 | 1 |
| 0 | 1 | 1 |
| 0 | 0 | 1 |

#### 11.4.3 OR gates



| A | B | Y |
|---|---|---|
| 1 | 1 | 1 |
| 1 | 0 | 1 |
| 0 | 1 | 1 |
| 0 | 0 | 0 |

#### 11.4.4 XOR gates



| A | B | Y |
|---|---|---|
| 1 | 1 | 0 |
| 1 | 0 | 1 |
| 0 | 1 | 1 |
| 0 | 0 | 0 |



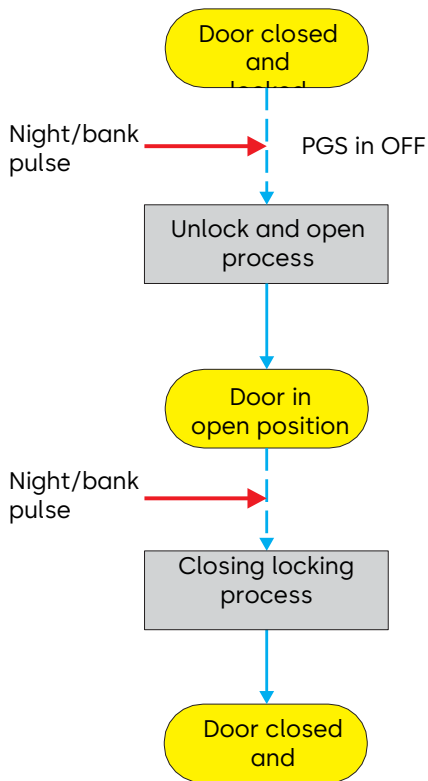
## 11.5 Professional extension module: Current pulse function (sliding door operator ES 200)

The current pulse function includes a special evaluation of the night/bank input and can adopt different processes.

### 11.5.1 FB120: current pulse function (normal procedure)

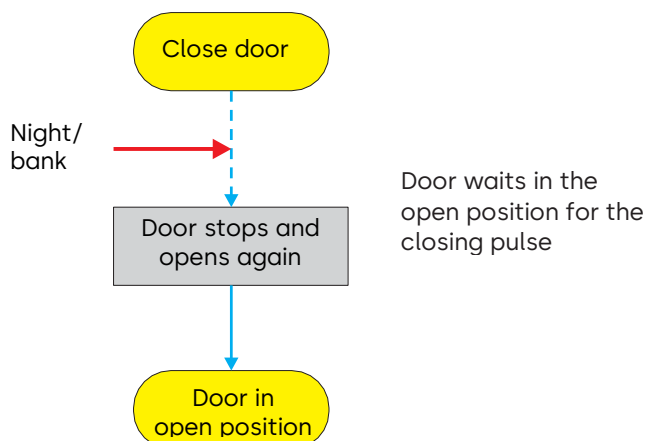
The normal procedure is as follows:

1. The first activation pulse opens the door
2. The second activation pulse closes the door (hold-open time does not end)



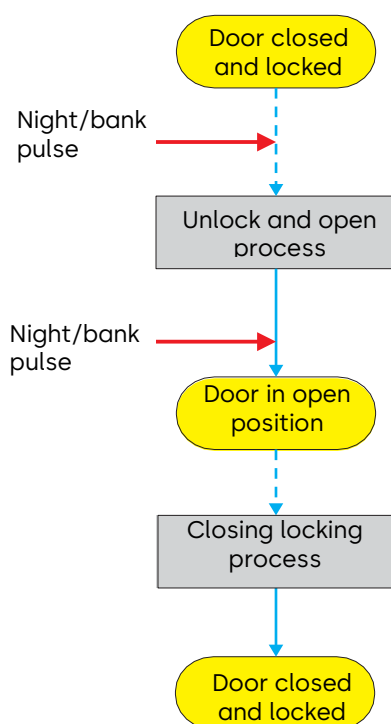
### 11.5.2 FB122: Current pulse function in the closing movement

In the case of a new activation pulse during closing, the door will reverse and remain open and wait for the next activation pulse so that the closing movement can be initiated.



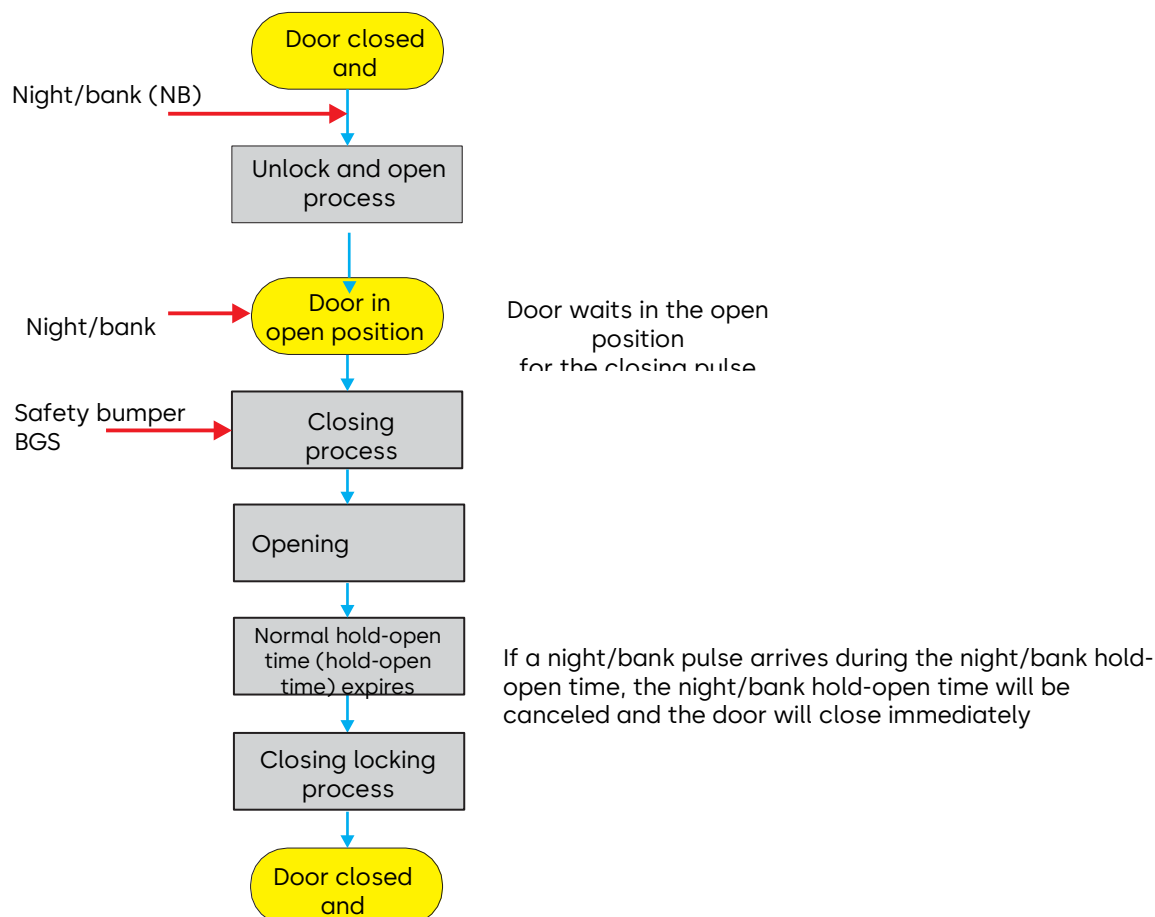
### 11.5.3 FB123: Current pulse function with renewed impulse output during open movement

If an activation pulse is output while opening the door, the door opens and closes immediately again.



### 11.5.4 FB124: Current pulse function with obstacle or safety bumper on the opposite side to the hinge during closing movement

If an obstacle or reversing is initiated by the safety sensor on the opposite side to the hinge during the closing movement, the door will open and the hold-open time will end. The door then closes.

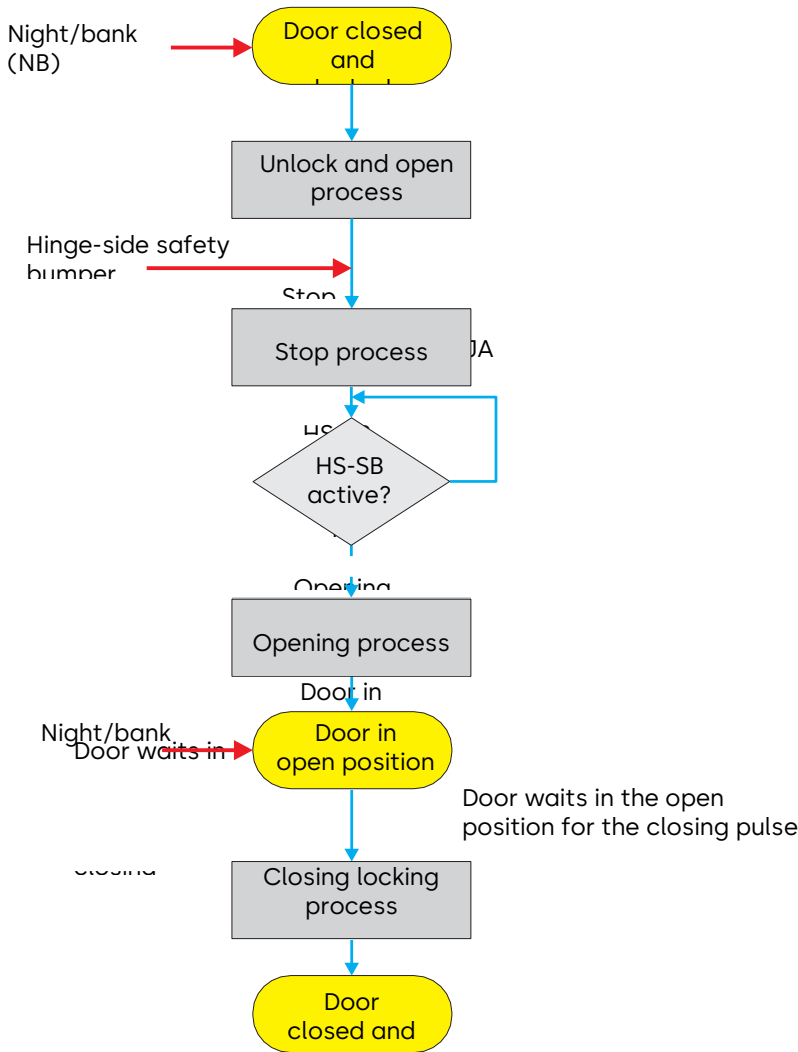


### 11.5.5 FB179: Current pulse function with obstacle during open movement

If an obstacle is detected during the open movement, the door stops and waits for the next current pulse to close the door.

11.6      FB180: Current pulse function with hinge-side safety bumper (HS-SB) during open movement

If the hinge-side safety bumper (HS-SB) is pressed during open movement, the door will stop and remain stopped. Once the hinge-side safety bumper (HS-SB) is released again, the door opening continues.



Upgrade cards for ED 100 and ED 250 (swing door operators)  
dormakaba upgrade cards can be used to extend the functional scope of swing door operators ED 100 and ED 250.  
When installing the upgrade cards, information is exchanged between the operator control unit and the upgrade card and these are permanently assigned to each other. The desired function can be used provided the upgrade card remains installed in the operator system.  
A variety of functions are available.

The upgrade cards are different colors in order to differentiate between the various functions.

| Upgrade card color |                              |   |
|--------------------|------------------------------|---|
| ED 100             | ED 250                       | Functions   |
| Full Energy blue   | Full-Energy transparent blue | Once released, the full adjustment range is available for the opening and closing speed as well as the opening and closing force. |

| Upgrade card color  |                                 |  |
|---------------------|---------------------------------|--|
| ED 100              | ED 250                          | Functions  |
| Fire protection red | Fire protection transparent red | <p>Once released, the operator can be used as a hold-open system. The Full Energy function is also activated.</p> <p>The hold-open system offers the following functions: Release:</p> <ul style="list-style-type: none"> <li>• Release via the cable-monitored detector input by dormakaba RM-ED.</li> <li>• Manual release of the door holder by moving the door leaf by 10°.</li> <li>• Failure of the display supply voltage</li> <li>• Displays the triggering by a red LED on the hinge side end cap.</li> <li>• The "In 11" message is output via the display on the device.</li> </ul> <p>Reset</p> <ul style="list-style-type: none"> <li>• Switch from X position to OFF position via the program switch</li> <li>• Via the door leaf, manual opening up to the set opening width minus 5°</li> <li>• Via the internal user interface, press L and R &gt; 3 s</li> </ul> |
| Professional green  | Professionell transparent green | <p>The following functions can be activated once released:</p> <ul style="list-style-type: none"> <li>• Nurse bed function: Partial opening with two-leaf units.</li> <li>• Extended hold-open time: 0...180 s</li> <li>• Current pulse function (Flip-Flop)</li> </ul>  |
| DCW yellow          | DCW transparent yellow          | <p>The following functions can be activated once released:</p> <ul style="list-style-type: none"> <li>• External key switch ST 32x DCW</li> <li>• SVP DCW motor lock function</li> <li>• DCW program switch (EPS D DCW)</li> </ul>   |

## 11.7 SNVT and SCPT details for TE25 Control

SNVT details for TE25 Basic:

| NV # | Name             | Type of SNVT (index)  | Range (Resolution) | Function   |
|------|------------------|-----------------------|--------------------|--|
| 0    | nviEntryState    | SNVT_ent_state (169)  | See SNVT.pdf       | Not used   |
| 1    | nviGetParameter  | SNVT_switch (95)      | See SNVT.pdf       | Parameter requirement                                  |
| 2    | nviParamRead     | SNVT_switch (95)      | See SNVT.pdf       | Readout confirmation from plug-in                      |
| 3    | nviPawramWrite   | SNVT_switch (95)      | See SNVT.pdf       | Write confirmation from plug-in                        |
| 4    | nvUpdateServ     |                       |                    | Not used   |
| 5    | nvoEntryState    | SNVT_ent_state w(170) | See SNVT.pdf       | Not used   |
| 6    | nvoBuzzAlarmOff  | SNVT_switch (95)      | See SNVT.pdf       | Acoustic alarm off                                     |
| 7    | nvoAllDoorUnlock | SNVT_switch (95)      | See SNVT.pdf       | Unlock all doors                                       |
| 8    | nvoAllDoorLock   | SNVT_switch (95)      | See SNVT.pdf       | Lock all doors   |
| 9    | nvoAllBtDisabled | SNVT_switch (95)      | See SNVT.pdf       | Lock the button in TE60 Control                        |
| 10   | nvoSmokeDetector | SNVT_switch (95)      | See SNVT.pdf       | Smoke detector (0: Alarm)                              |
| 11   | nvoParamUpdate   | SNVT_switch (95)      | See SNVT.pdf       | Parameter change by TMS Soft, flag for plugin          |
| 12   | nvoUpdateState   | SNVT_lev_disc (22)    | See SNVT.pdf       | Transmission status<br>0: Idles/1: runs/2: Error/3: OK |
| 13   | nvoServiceMsg    | SNVT_str_asc (36)     | See SNVT.pdf       | 31 characters; Each 0 ... 255                          |
| 14   | nvoVersion       | SNVT_counter          | See SNVT.pdf       | TE25 Basic Firmware Version                            |

## SCPT Details for TE25 Basic:

| Name              | Type of SNVT (index) | Range (Resolution)                      | Function                                    |
|-------------------|----------------------|---|---|
| nciNetworkConfig  | SCPTnwkCngg          |   | Not used                                    |
| nciDisableExplMsg | UCPT_DisableExplMSG  | 0 ... 1                                 | Disables ExplMsg 0: disabled                |
| nciAdressHigh     | UCPT_AdressHigh      | 0 ... 255                               | Device address                              |
| nciAdressLow      | UCPT_AdressLow       | 0 ... 255                               | Device address                              |
| nciParameter      | UCPT_Parameter       |   | Not used                                    |
| nciTriggerTime    | SCPT_modeHrtBt       | 0      6553.4 s                         | Timeout of ExplMsg communication 0: disable |
| nciMaxRcvTime     | SCPT_maxRcvTime      |   | Not used                                    |
| nciMaxSendTime    | SCPT_maxSendTime     | 0      6553.4 s<br>Standard value: 30 s |   |
| nciMinSendTime    | SCPT_minSendTime     |   | Not used                                    |
| nciObjMajVer      | SCPT_TobjMajVer      |   | Main version number                         |
| nciObjMinVer      | SCPT_TobjMinVer      |   | Minor version number                        |
| nciLocation       | SNVT_str_asc (36)    | 31 characters, each<br>0 ... 255        | Location of the device                      |



## Note

Only in the case of parallel use of TMS Soft: In the "TMS\_PC.ini" file from the TMS PC, the value for "Info TimeLive"

must be set greater than the value for "TriggerTime" of the TMS or SVP module.

**nciTriggerTime**

Shutdown of Expl.Msg. communication if communication to the PC does not exist within the nciTriggerTime.

Communication is automatically activated once a connection to the PC is established.

**nciMaxSendTime**

The SNVTs are regularly updated and transmitted.

The function is shut down if the value is set to 0.

**nvoAllDoorsUnlock/nvoAllDoorsLock**

The LED (escape door icon) only signalizes the status at TE25, there is no feedback from the connected TMS or SVP control units.

As long as the contact on the "All doors unlock" input is opened, the doors are unlocked.

If a door should be locked on site, it is automatically unlocked again after the set time (SendTime).

This function also applies to "All doors lock" (as long as the contact is closed).

**nvoSmokeDetector**

As long as the smoke detector contact is opened, nvoSmokeDetector is automatically repeated following the set time (SendTime).

## 11.8 SNVT and SCPT details for TE60 Control

SNVT details for TE60 Control:

| NV # | Name             | Type of SNVT (index)  | Range (Resolution) | Function   |
|------|------------------|-----------------------|--------------------|--|
| 0    | nviEntryState    | SNVT_ent_state (169)  | See SNVT.pdf       | Not used   |
| 1    | nvi_AppState1    | SNVT_state (83)       | See SNVT.pdf       | Door 1 status  |
| 2    | nvi_AppState2    | SNVT_state (83)       | See SNVT.pdf       | Door 2 status  |
| 3    | nvi_AppState3    | SNVT_state (83)       | See SNVT.pdf       | Door 3 status  |
| 4    | nvi_AppState4    | SNVT_state (83)       | See SNVT.pdf       | Door 4 status  |
| 5    | nvi_AppState5    | SNVT_state (83)       | See SNVT.pdf       | Door 5 status  |
| 6    | nvi_AppState6    | SNVT_state (83)       | See SNVT.pdf       | Door 6 status  |
| 7    | nviBuzzAlarmOff  | SNVT_switch (95)      | See SNVT.pdf       | Acoustic alarm off                                     |
| 8    | nviAllDoorUnlock | SNVT_switch (95)      | See SNVT.pdf       | Unlock all doors                                       |
| 9    | nviAllDoorLock   | SNVT_switch (95)      | See SNVT.pdf       | Lock all doors   |
| 10   | nviAllBtDisabled | SNVT_switch (95)      | See SNVT.pdf       | Lock the button in TE60 Control                        |
| 11   | nviGetParameter  | SNVT_switch (95)      | See SNVT.pdf       | Parameter requirement                                  |
| 12   | nviParamRead     | SNVT_switch (95)      | See SNVT.pdf       | Readout confirmation from plug-in                      |
| 13   | nviParamWrite    | SNVT_switch (95)      | See SNVT.pdf       | Write confirmation from plug-in                        |
| 14   | nviUpdateServ    | SNVT_switch (95)      | See SNVT.pdf       | Not used   |
| 15   | nvoEntryState    | SNVT_ent_status (170) | See SNVT.pdf       | Not used   |
| 16   | nvoBtLockDoor1   | SNVT_switch (95)      | See SNVT.pdf       | Lock door 1  |
| 17   | nvoBtUnlockDoor1 | SNVT_switch (95)      | See SNVT.pdf       | Unlock door 1  |
| 18   | nvoBtLockDoor2   | SNVT_switch (95)      | See SNVT.pdf       | Lock door 2  |
| 19   | nvoBtUnlockDoor2 | SNVT_switch (95)      | See SNVT.pdf       | Unlock door 2  |
| 20   | nvoBtLockDoor3   | SNVT_switch (95)      | See SNVT.pdf       | Lock door 3  |
| 21   | nvoBtUnlockDoor3 | SNVT_switch (95)      | See SNVT.pdf       | Unlock door 3  |
| 22   | nvoBtLockDoor4   | SNVT_switch (95)      | See SNVT.pdf       | Lock door 4  |
| 23   | nvoBtUnlockDoor4 | SNVT_switch (95)      | See SNVT.pdf       | Unlock door 4  |
| 24   | nvoBtLockDoor5   | SNVT_switch (95)      | See SNVT.pdf       | Lock door 5  |
| 25   | nvoBtUnlockDoor5 | SNVT_switch (95)      | See SNVT.pdf       | Unlock door 5  |
| 26   | nvoBtLockDoor6   | SNVT_switch (95)      | See SNVT.pdf       | Lock door 6  |
| 27   | nvoBtUnlockDoor6 | SNVT_switch (95)      | See SNVT.pdf       | Unlock door 6  |
| 28   | nvoT60_State     | SNVT_switch (83)      | See SNVT.pdf       | Not used   |
| 29   | nvoParamUpdate   | SNVT_switch (95)      | See SNVT.pdf       | Parameter change by TMS Soft, flag for plugin          |
| 30   | nvoUpdateState   | SNVT_lev_disc (95)    | See SNVT.pdf       | Transmission status<br>0: Idles/1: runs/2: Error/3: OK |
| 31   | nvoServiceMsg    | SNVT_str_asc (36)     | See SNVT.pdf       | 31 characters; Each 0 ... 255                          |
| 32   | nvoVersion       | SNVT_counter          | See SNVT.pdf       | TE60 Control Firmware version                          |

SCPT details for TE60 Control:

| Name              | Type of SNVT (index) | Range (Resolution)                 | Function                                    |
|-------------------|----------------------|------------------------------------|---|
| nciNetworkConfig  | SCPTnwkCngg          |                                    | Not used                                    |
| nciDisableExplMsg | UCPT_DisableExplMSG  | 0 ... 1                            | Disables ExplMsg 0: disabled                |
| nciAdressHigh     | UCPT_AdressHigh      | 0 ... 255                          | Device address                              |
| nciAdressLow      | UCPT_AdressLow       | 0 ... 255                          | Device address                              |
| nciParameter      | UCPT_Parameter       |                                    | Not used                                    |
| nciTriggerTime    | SCPT_modeHrtBt       | 0 6553.4 s                         | Timeout of ExplMsg communication 0: disable |
| nciMaxRcvTime     | SCPT_maxRcvTime      |                                    | Not used                                    |
| nciMaxSendTime    | SCPT_maxSendTime     | 0 6553.4 s<br>Standard value: 30 s |   |
| nciMinSendTime    | SCPT_minSendTime     |                                    | Not used                                    |
| nciObjMajVer      | SCPT_TobjMajVer      |                                    | Main version number                         |
| nciObjMinVer      | SCPT_TobjMinVer      |                                    | Minor version number                        |
| nciLocation       | SNVT_str_asc (36)    | 31 characters, each<br>0 ... 255   | Location of the device                      |



#### Note

Only with parallel use of TMS Soft:

In the "TMS\_PC.ini" file from the TMS PC, the value for "Info TimeLive" must be set greater than the value for "TriggerTime" of the TMS or SVP module.

#### nciTriggerTime

Disable Expl Msg.: communication, if communication to the PC does not exist within the nciTriggerTime. Communication is automatically activated once a connection to the PC is established.

#### nciMaxSendTime

The SNVTs are regularly updated and transmitted. The function is shut down if the value is set to 0.

#### UCPT\_Parameter\_T60: (Manuelle setting)

(Parameter 700) Value[0] 180: Alarm duration limit; 0: without alarm duration limit

(Parameter 701) Value[1] 0: Module 1; 2: TMS; 5: SVP; 518: IO FWS; 1286: IO SVP

(Parameter 702) Value[2] 0: Module 2

(Parameter 703) Value[3] 0: Module 3

(Parameter 704) Value[4] 0: Module 4

(Parameter 705) Value[5] 0: Module 5

(Parameter 706) Value[6] 0: Module 6

(Parameter 707) Value[7] 50: StatusWatchdogTimer

#### StatusWatchdogTimer

If the status of nvoIO\_State, nvoTMS\_State or nvoSVP\_State fails to appear within a time window (StatusWatchdogTimer), the TE60 detects an interruption (LED display).

#### ZM208-DCW

TMS-2 door control units enable connection of a ZM208-DCW module.

If an appropriate license is in place, this module can be enabled by dormakaba.

Parameterization takes place via the enabled tab on the ["Special functions" \(TMS types\) tab](#).

Thanks to the ZM208-DCW module, a time-delayed release is possible for an emergency exit system.

According to EN 13637 "Electronically controlled escape door systems for doors along emergency routes," three categories are described.

Category 0: no time delay

Category 1: single time delay ( $t_1 \leq 15$  s)

Category 2: double time delay ( $t_2 \leq 8$  s;  $t_3 \leq 180$  s)



**Category 1: (single time delay, timer 1)**

After pressing the emergency button, the door lock is initially not released but rather following the parameterized Timer1 time.  
 The closer contact of the K1 relay bypasses the opener contact of the connected emergency button in such a way that a release does not take place.  
 The T1 LED lights up and indicates the active status of the T1 timer.  
 The closer contact of the K1 relay only opens once the time delay has elapsed and enables a release. The T1 LED goes out.

**Note**

Important:

The start input for Timer 1 is controlled by an edge trigger.

The time delay cannot be extended by pressing the emergency button once again.

The second temporal stage is not activated for category 1 emergency exit systems.

Additional function for category 1 emergency exit systems:

Timer 1 is parameterized for an extended time delay, such as 20 seconds, and Timer 2 for one second.

The time delay of Timer 1 can be decreased by activating the second temporal stage.

**Category 2: (double time delay, Timer 1 and 2)**

In this version, Timer 1 is also initially started by pressing the emergency button.

The second temporal time can be activated via a button on ZM208-DCW or a DCW command (DCW command telegram).

The T1 LED goes out. The T2 LED lights up and indicates the active status of the T2 timer.

The closer contact of the K1 relay only opens once the second time delay has elapsed and enables a release.

The T2 LED goes out.

The second time delay can be up to 180 seconds, allowing safety personnel to reach the emergency exit within this time.

**Note**

Important:

The start input for Timer 2 is controlled by an edge trigger.

The first or second time delay cannot be extended.

The alarm must be acknowledged on site.

An acknowledgment can only be performed if the emergency button is no longer pressed.

If the first time delay has elapsed, the second temporal stage can no longer be activated!

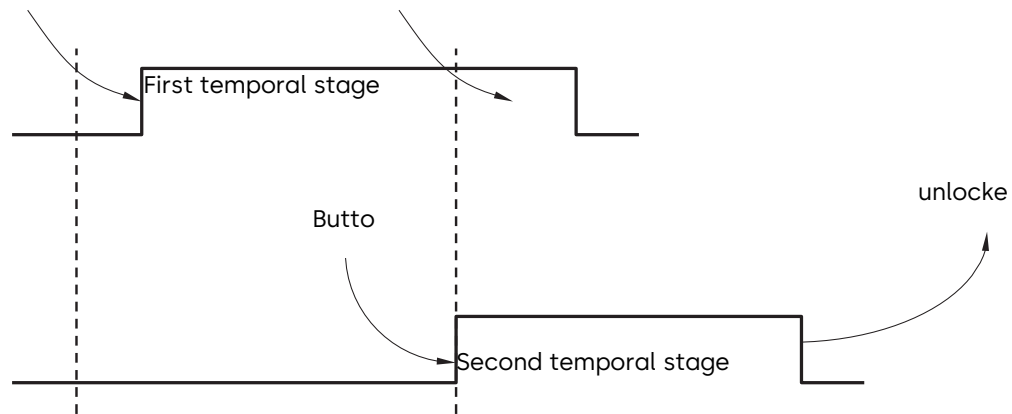
Timer 2 cannot be started in advance of Timer 1!

**DCW bus interruption:**

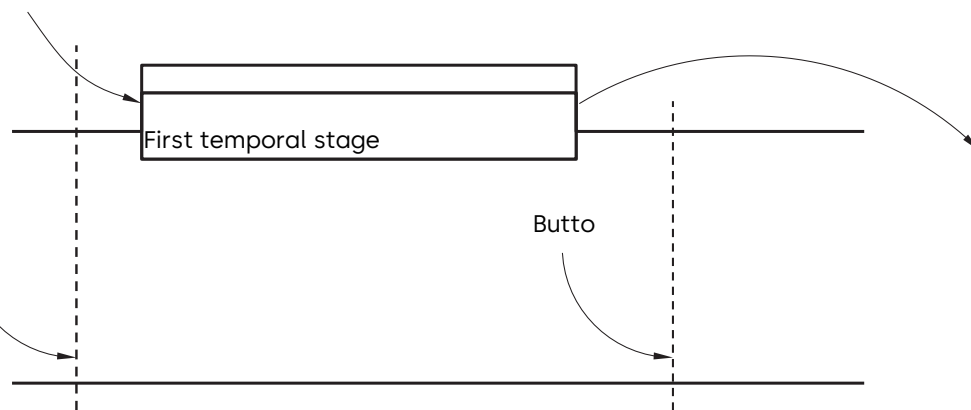
In the case of interruption of the DCW bus connection, a time delay cannot be started, since synchronization is not possible between the ZM208 DCW and the TMS control unit TL-S TMS2.  
 With this in mind, a direct release is performed.

ZM 208

Button 1Button 1



Button 1

unlocked  
Button 2

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