ePED® escape route technology

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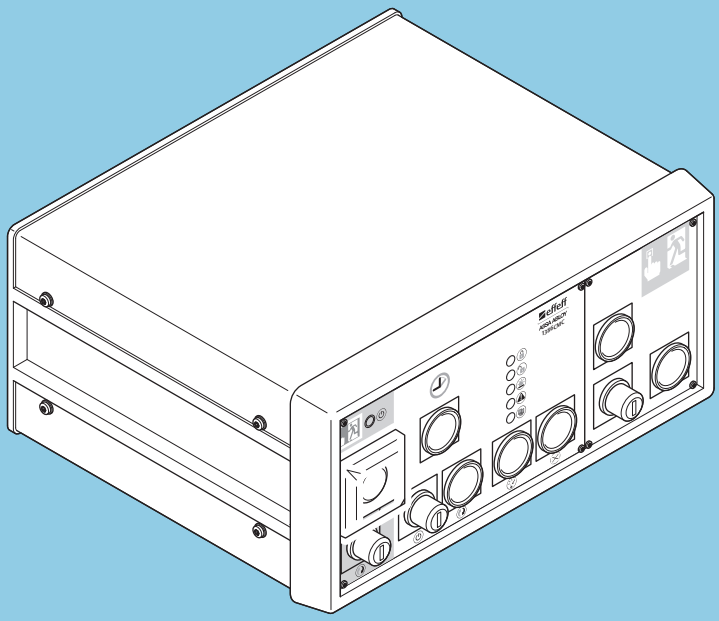

ePED®
1386CMC central escape route control

effeff
ASSA ABLOY

Installation and Operating Instructions

D0122802

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EN

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

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

Publisher
ASSA ABLOY Sicherheitstechnik GmbH
Bildstockstrasse 20
72458 Albstadt
Germany
Phone: +49 (0)7431 1230
Internet: www.assaabloy.com/de
Email: albstadt@assaabloy.com

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Table of contents

ePED® escape route technology

Electrical locking devices of doors along escape routes protect escape routes from misuse. The door is blocked in the escape direction in the process. In case of danger, the escape door is released with an emergency open button and an alarm is triggered. The alarm simultaneously serves as a deterrent against misuse.

The system has been tested in compliance with the German 'Guidelines for Electronic Locking Systems in Doors along Escape Routes' (EltVTR) and satisfies the technical safety requirements for a release in case of danger.

Safety-related characteristics

Safety-related features include:

- Fail-safe functionality (an error does not influence the release or lead to an automatic release),
- Fail-unlocked functionality (short-circuit or interruption of the conductor to the locking unit leads to automatic unlocking),
- Automatic release in case of an operating voltage failure (emergency power supply is permitted),
- Identification of the emergency open button,
- Tested permanent function.

ePED® 1386CMC central escape route control

Central operating panel for monitoring and operation

The *ePED® 1386CMC central escape route control system* (Fig. 1) is a central operating panel with which authorised persons monitor and operate the electrically-controlled escape door system, including

- the double release delay and
- the blocking of the release.

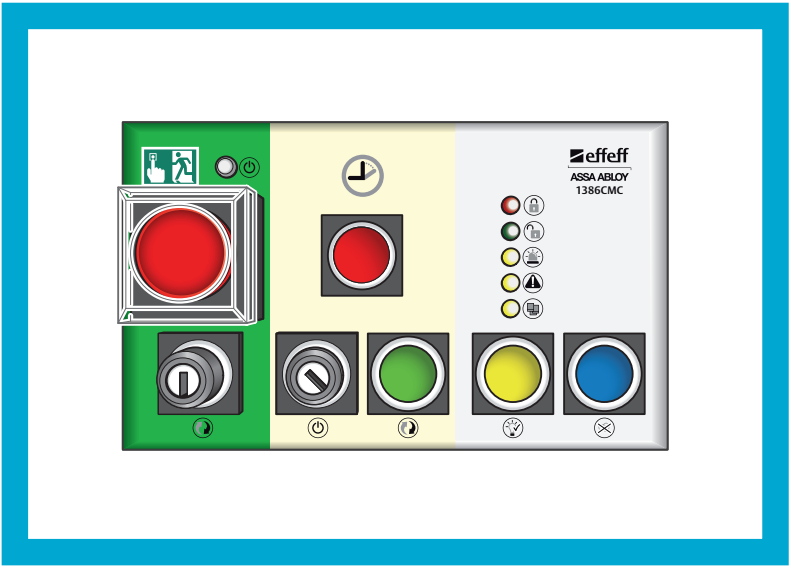
The escape door system is equipped with *ePED® escape route technology*. The Ethernet connection is established with an *ePED® CMC Connector 1386CMC-CON* on every escape door (manual *D01118xx ePED CMC Connector 1386CMC-CON*), with the following applicable limits:

- a *1386CMC central escape route control* can control a maximum of 126 escape doors via *126 CMC connectors 1386CMC-CON*,

and

- one escape door can be controlled by no more than 32 1386CMC central escape route control systems via a 1386CMC-CON CMC connector.

Fig. 1: ePED® 1386CMC central escape route control



Explanation of terms

Term	Description
Release delay	The *release delay* is the wait time until the escape door is unlocked after actuation of the Emergency Open push-button.
Terminal	The *ePED® 1386-00 door terminal* (*terminal*) comprises several modules installed in a wall-mounted housing.
Ethernet	*Ethernet* is a data network (LAN technology).
Escape door system	*Escape door system* describes the scope of all electrical components of an escape door.
Hi-O Technology™	The Hi-O Technology™ bus (Highly Intelligent Opening) is a bus for the connection of electronic components (devices) in door systems.
Hi-O group	Assignment to a Hi-O group offers the possibility of organising components into groups.

About this manual

The installation and configuration of the product must be performed by a qualified expert in electromechanical equipment; assembly work must be performed by a person with expertise in the type of work to be performed or by appropriately trained personnel.

Meaning of the symbols

Danger!

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

Warning!

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

Caution!

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

Attention!

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

Note!

Note: Additional information on operating the product.

Warning!

Danger arising from modification of the product: The safety features of this product are an essential requirement for its conformity with EltVTR. No changes which are not described in this manual may be undertaken.

Danger due to missing Emergency Open button on the escape door: If the release of the escape door is centrally controlled, it is no longer possible to independently choose to exit the danger area in the case of danger. This always requires an approval from the responsible inspection authority. Normally, a constantly manned station equipped with a central release mechanism is prerequisite for the approval.

Danger due to faulty commissioning: In order to ensure the safety of the product, commissioning must be performed by a qualified person. *ASSA ABLOY Sicherheitstechnik GmbH* offers training for qualification in the requisite skills.

Danger due to faulty maintenance: The owner is responsible for correct installation and functional inspection of the product and connected components. The safe function must be tested by a trained qualified expert at least once per year ("Maintenance", page 34). Requirements established by inspection authorities must be complied with. *ASSA ABLOY Sicherheitstechnik GmbH* offers training for qualification in the requisite skills.

Danger arising from tampering or improperly performed repairs: If the *ePED® terminal 1386-00* or parts of the device cannot resume normal operation after a fault or alarm message, or if there is evidence of damage, the device may only be repaired by a qualified person. Please contact the customer service of the installation company or the support department of *ASSA ABLOY Sicherheitstechnik GmbH* ("Latest news", page 35).

Danger due to manipulation or unauthorised access to the network: manipulation or sabotage to the network by unauthorised access can influence the secure operation of the *1386CMC central escape route control system*.
Suitable measures have to be taken by a qualified person in order to prevent, or at least impede, unauthorised access to the network or manipulation.

Warning!

Violation against mandatory conditions: If release is blocked, then the escape door is not released. If the release delay is activated, the escape door is only released after expiry of the set wait time.

- Security personnel must be able to see the affected escape door directly or via video monitoring. It is not permissible to extend the release delay or blocking without being able to see the escape door.
- The relevant inspection authority must approve before activation/use of release blocking and/or release delay.

Attention!

Restricted function due to insufficient network connection: the quality of the network connection is decisive for the availability of the *1386CMC central escape route control system*. If the quality of the network connection is insufficient, the escape door equipped with *ePED® escape route technology* is automatically switched to a "local mode" and the functions of the central escape route control system are no longer available.

- Ensure that the network connection is trouble-free. In order to exclude influences by other network devices, *ASSA ABLOY Sicherheitstechnik GmbH* recommends a separate network structure for the escape route.

Intended use

Electrical locking devices on doors along escape routes are intended for use in commercial applications.

The *ePED® 1386CMC central escape route control system* is a central operating panel with which authorised persons monitor and operate the electrically-controlled escape door system.

The escape door system is equipped with *ePED® escape route technology*. The Ethernet connection is established with an *ePED® CMC Connector 1386CMC-CON* on every escape door (manual *D01118xx ePED® CMC Connector 1386CMC-CON*), with the following applicable limits:

- a *1386CMC central escape route control* can control a maximum of 126 escape doors via *126 CMC connectors 1386CMC-CON*,

and

- one escape door can be controlled by no more than 32 1386CMC central escape route control systems via a 1386CMC-CON CMC connector.

The product has been designed for safeguarding escape routes and has been tested to the requirements specified in the German guidelines on electrical locking systems for doors in escape routes (EltVTR). Deviating uses or device combinations not described are not permitted.

Security personnel must be able to see the affected escape door directly or via video monitoring. It is not permissible to extend the release time or blocking without being able to see the escape door.

ASSA ABLOY Sicherheitstechnik GmbH can provide the necessary planning information for approved solutions and the device combinations required for your application.

The security functions for the release of the electrical locking meet the requirement for fail-safe functionality in DIN EN 13637:2015, “safety integrity level” SIL 2 of the IEC 61508:2010 parts 1 to 7 (reference: technical data).

Compliance with all relevant inspection authority requirements is mandatory for use, particularly with respect to the

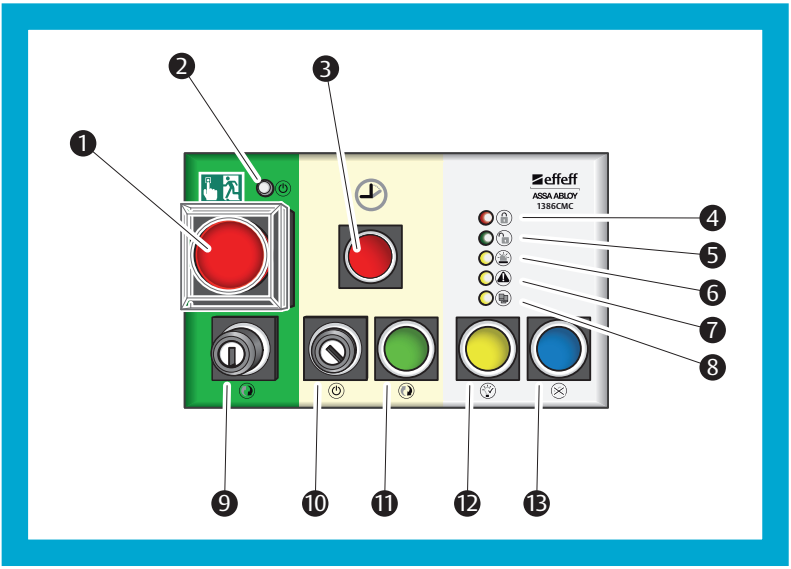
- coordination of the safety concept with the responsible inspection authority and
- modifications of door elements.

The relevant inspection authority must approve before activation/use of release blocking and/or release delay.

The device is suitable for installation, configuration and use, according to these instructions. Any use beyond this is deemed as non-intended use; devices combinations which are not described are not permitted.

Operating elements

Fig. 2: ePED® 1386CMC central escape route control



Tab. 1: Key for Fig. 2

No.	Description
1	Emergency Open switch
2	LED (red/green) – status of the emergency button
3	Push-button – activate extended release time
4	LED (red) – status of the escape doors – locked
5	LED (green) – status of the escape doors – unlocked
6	LED (yellow) – alarm issued
7	LED (yellow) – failure of escape route control system
8	LED (yellow) – connection to the alarm system
9	Key switch Reset Emergency Open
10	Key switch – activate extended release delay
11	Push-button (green) – deactivate extended release time
12	Push-button (yellow) – test
13	Push-button (blue) – switch off acoustic alarm signal	

Emergency button for central release

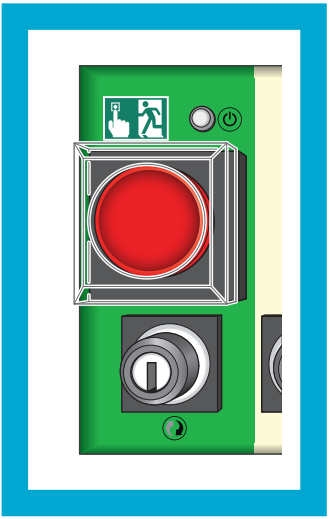


Fig. 3: Emergency button and key switch

Emergency button for central release

With the emergency button for central release (Fig. 2– ❶, Fig. 3) , all escape doors of the building or escape door groups are released from one or more central points in an emergency or panic situation.

The emergency button light ups if the power supply is switched on and the LED ❷ illuminates green.

The central points are manned by security personnel. An emergency button can be manned by anyone in the security personnel rooms.

Emergency button actuation display

The emergency key button flashes red after actuation and the LED ❷ illuminates red.

Reset panic alarm

An alarm is triggered via the emergency button on the *1386CMC central escape route control system*. The emergency key button flashes red and all connected escape doors are released. The alarm is to be withdrawn.

1 Unscrew the pushed in emergency button (Fig. 2– ❶, Fig. 3) until the emergency button is released.
2 Authorise yourself as an authorised safety person at the key switch under the emergency button (Fig. 2– ❾).

⇨ The alarm ends.

Double release delay

Note!

The release delay must be activated: the release delay must be activated at the affected escape door systems (on the hardware side).

ePED® door terminal 1386–00

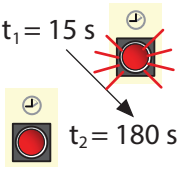
There are escape door terminals on the escape doors (manual D01022xx ePED® door terminal 1386-00) with a red emergency button. If an emergency button is actuated, the terminal for the relevant escape door reports a release request.

If a release request is triggered on one or multiple escape doors, the release delay is initially 15 seconds (t_1). The escape doors remain locked during this time. The red button (Fig. 2– ❸, Fig. 4) flashes.

The double release delay extends a triggered release delay from 15 to a maximum of 180 seconds (t_2). The release delay can be extended from one or more points by authorised security personnel during release delay t_1. The red LED button (Fig. 4) illuminates.

If the emergency buttons on several doors were actuated at the same time, the release delay is extended on all relevant escape doors. If more emergency buttons are then actuated, the red button flashes again and the release delay can also be extended for these escape doors.

To assess the situation, the security personnel must be able to view all relevant escape doors directly or via video monitoring. It is not permissible to extend the release delay without being able to see the escape doors.



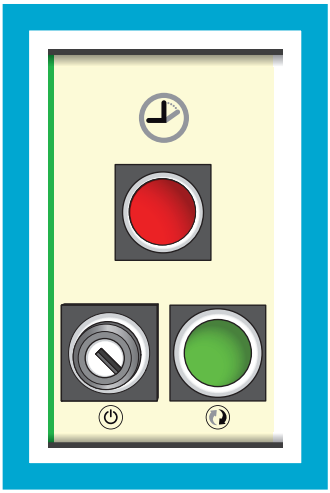


Fig. 4: Buttons for activation and deactivation of extended release delay

Depending on the networking of components in one or more escape routes, one or more escape door systems can be controlled by one or more *1386CMC central escape route control systems*.

Depending on the configuration, the initial release delay may be less than 15 seconds and the extended release time may be less than 180 seconds.

Activate extended release delay

The red push-button is flashing.

1 Authorise yourself as an authorised safety person at the key switch (Fig. 2– ⑩, Fig. 4).
2 Press the red push-button (Fig. 2– ③, Fig. 4).
⇨ The extended release delay is activated.
⇨ The red push-button illuminates.

Deactivate extended release delay

3 Press the green push-button (Fig. 2– ⑪, Fig. 4).
⇨ The relevant doors are released.

Monitoring status

or

Emergency button status

The status of the central emergency button is displayed via a red/green LED (Fig. 2 – 2).

Status		Description
	**Illuminates red**	The central emergency button has been actuated – emergency button is engaged
or		
	**Illuminates green**	The central emergency button has not been actuated – emergency button is disengaged

Status of escape doors

The locking status of the escape doors is displayed by a red and a green LED (Fig. 2– 4 and – 5).

Status		Description
		
Flashes		At least one escape door, but not all, report as *locked*
	Flashes	At least one escape door, but not all, report as *unlocked*
Illuminates	**Off**	All escape doors report as *locked*
Off	**Illuminates**	All escape doors report as *unlocked*

Alarm issued

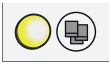
If one or more release requests have been triggered – the Emergency Open button on the terminals was actuated – this is displayed by a yellow LED (Fig. 2– 6).

Status	
Off	No alarm
Flashes	At least one escape door, but not all, report *alarm* and *release request*
Illuminates	All escape doors report *alarm* and *release request*

Status of the central escape route control systems

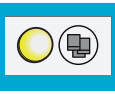
The conditions of the escape route control systems are displayed by a yellow LED (Fig. 2– 7).

Status	
Off	All connections of central escape route control systems report *correct function*
Flashes	At least one escape door has been deactivated
Illuminates	The central escape route control system is down or At least one connected central escape route control system is down or The remote connection is down



Status of the connection to the alarm system

The condition of the connection to the alarm system is displayed by a yellow LED (Fig. 2– 8).

Status	
Off	The connection to the alarm system works
Flashes	The alarm system has been deactivated
Illuminates	The communication between the central escape route control system and alarm system is interrupted

Test key

Test the central escape route control system

The proper function of all indicators must be tested, in a maintenance, for example.

1 Press the yellow push-button.

⇨ All indicators illuminate and an acoustic signal sounds.

Acoustic alarm signal

Switch off acoustic alarm signal (alarm horn)

The alarm has been triggered. The acoustic alarm signal is to be switched off.

1 Press the blue push-button.

⇨ The acoustic alarm is switched off.

⇨ The alarm status has not ended.

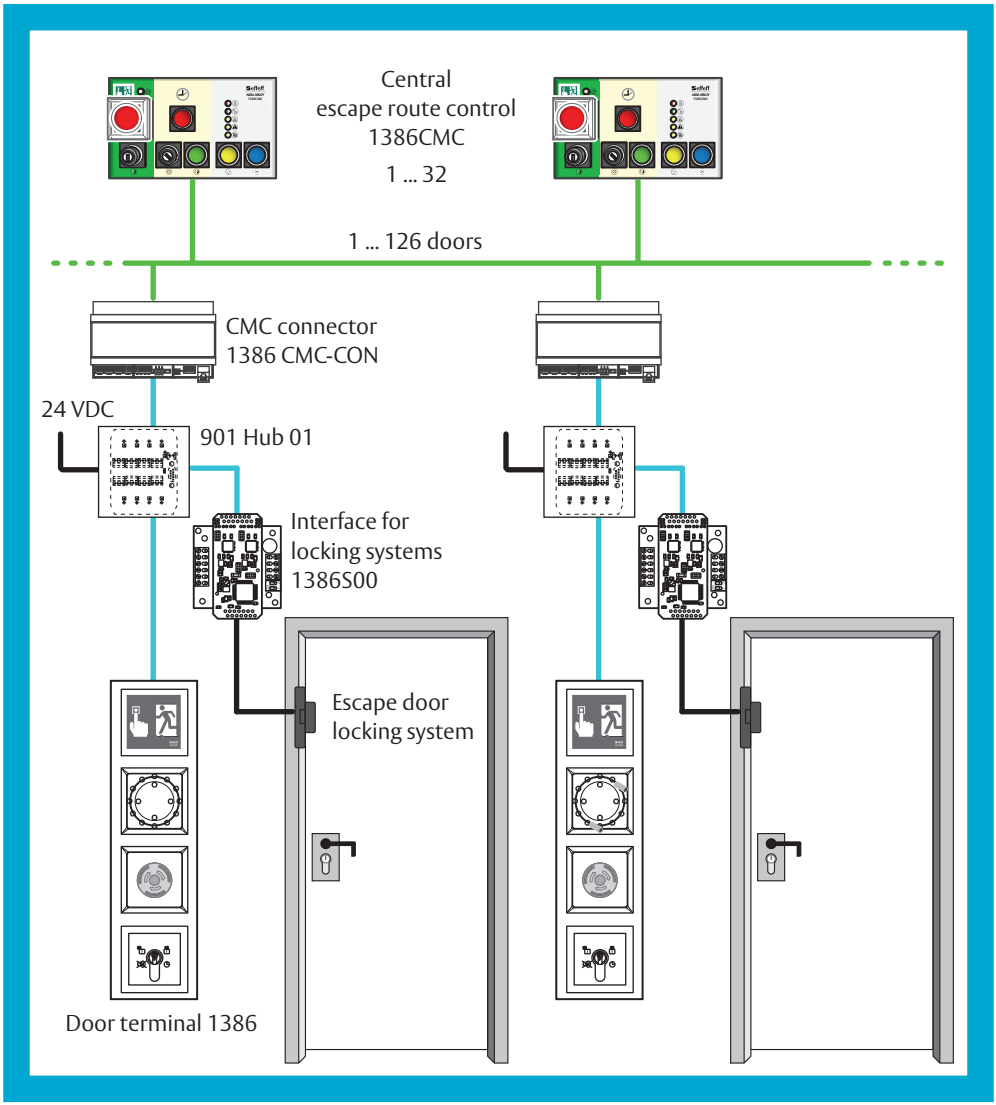
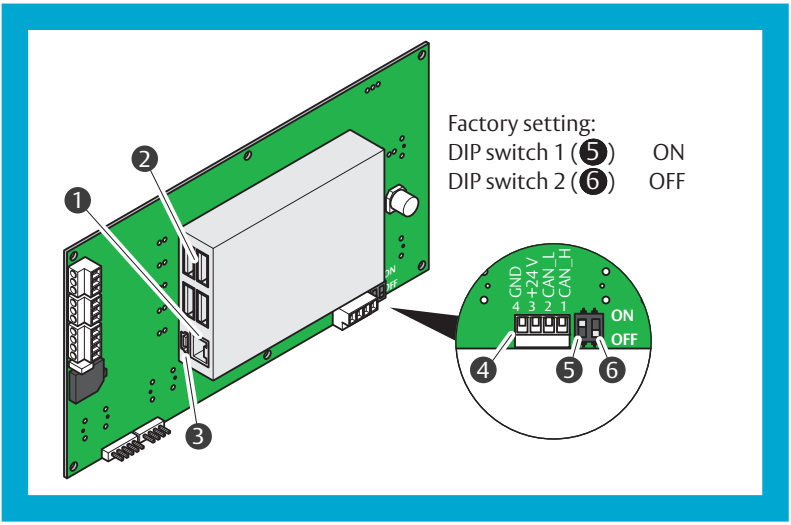


Fig. 5:
Principle of integration of ePED® central escape route control systems in an overall system

Circuit board

Fig. 6: Circuit board



Tab. 2: Key for Fig. 6

No.	Description
1	Ethernet
2	USB connection for event logger (“Logging via event logger”, page 32)
3	Connection for *ePED Service Interface 1386-SIF* (separate instructions D01113xx)
4	Hi-O Technology™ – Bus 1 CAN_H 2 CAN_L 3 +24 V 4 GND
5	DIP switch 1– Hi-O Technology™ – termination with terminating resistor OFF – no termination ON – termination
6	DIP switch 2– Hi-O Technology™ – group OFF – group 0 ON – group 1

Configuration with CMCFG software

The *CMCFG*[1)] software serves to configure an *ePED® escape route control system* made up of

- a maximum of 32 *ePED® 1386CMC central escape route controls* and
- an *ePED® CMC connector 1386 CMC-CON* for each door.

An *ePED® escape route control system* checks and controls an escape route. The communication of the components takes place using TCP/IP via Ethernet.

The function of the escape route control system is adjusted to the local conditions in detail during configuration.

Terms

The following abbreviations are used in the following description and in the software:

Tab. 3: Abbreviations in the software and in the text

Software element	Example
ePED® escape route control system	Control system
ePED® 1386CMC central escape route control	CMC box
ePED® CMC connector 1386 CMC-CON	CMC connector

In the following description the following examples are used for software elements:

Tab. 4: Illustration of software elements in the text

Software element	Example
Menu item	System
Keyboard shortcut	F2
Software button	OK
Symbol/icon	🗋
Column header of a table	Box 1

Requirement for configuration via CMCFG.

All components have been properly fitted, wired and installed according to the separately attached instructions.

[1)] Download a current software version:
https://www.effeff.de → Service → Software & Updates → ePED Service Software → ePED Konfiguration Fluchtwegsteuerung CMC

Notes on configuration

Caution!

Damage due to loss of configuration data: The configuration data is saved in a file. The configuration data is always required for expansions and modifications. If the configuration data is lost, the control system has to be completely reconfigured. Depending on the system size and complexity, this can mean a significant amount of work.

- When undertaking configuration work to the system, regularly save the modifications.
- Create a backup copy of the configuration file and store it in a safe place.

Note!

Assign informative designations: Informative designations make finding and processing data easier later on.

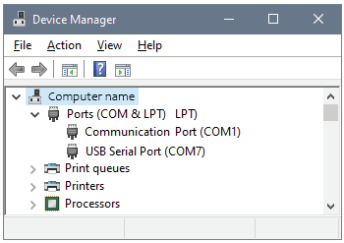
- Always assign informative designations and file names for configuration data.

COM port

Communication with the *ePED service interface* requires a COM port, which must be entered in the CMCFG.INI file.

Adjust COM port

1 In the Windows Device Manager, check which COM port you are using.



2 Close the software *ePED configuration escape route control*.

Editor App

3 Open the CMCFG.INI file in a text editor.

4 Enter the COM PORT displayed in the Windows Device Manager in the CMCFG.INI file. In this example, it is COM7 (❶).

```
[MAIN]
COM=7
```

5 Save the modified CMCFG.INI file.

⇨ The COM port for communication with the *ePED service interface* has been modified.

Basic sequence in configuration

1 Create a configuration file.
  1.1 „Start software“
  1.2 „Create a new configuration“
2 Configure the CMC boxes.
  2.1 „Configure CMC boxes“, Seite 25
3 Configure the doors.
  3.1 „Configure doors“, Seite 26
4 Configure the connection between CMC boxes and doors.
  4.1 „Link CMC boxes with doors“, Seite 27
5 Use USB cables to transfer the respective fitting locations of the data to the CMC boxes.
  5.1 „Send data to a CMC box“, Seite 28
6 Use USB cables to transfer the respective fitting locations of the data to the CMC connectors.
  6.1 „Send data to a door“, Seite 29
7 Carry out the configuration via the display terminal (separate instructions depending on terminal version, *D01140xx* or *D01146xx*).
  7.1 „Configure the ePED components“, Seite 29
8 Test each individual door
  8.1 „Test function of the door“, Seite 30
  8.2 „Load a system configuration“, Seite 31

Start software

1 Start the *ePED configuration central escape route control software* *CMC.exe*.
2 Enter the following password: 7890

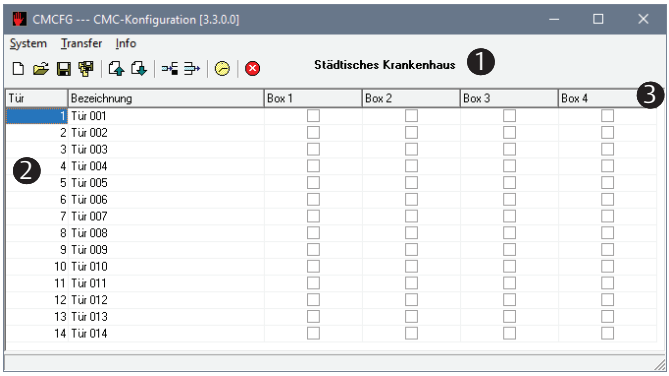
⇨ The software is now ready to operate.

Create a new configuration

1 Create a new configuration table
· Click or press System/New or F2 or 🗋.
2 Enter the data and confirm with OK.
· The *designation* is later shown via the cross-classified table for configuration (Fig. 7 – ❶),
· A column is created for every *CMC box* (– ❷),
· A row is created for every *CMC connector* (– ❸).

⇨ A cross-classified table with the entered number of doors (*CMC connector*) in the rows and CMC boxes in the columns is displayed (Fig. 7).

Fig. 7: The empty cross-classified table before configuration



No.	Description
❶	Designation of the configuration
❷	Line-by-line listing of doors
❸	Column-by-column listing of CMC boxes

3 Assign the doors to the boxes, setting ☑/☐ in the cross-classified table.
4 Save the configuration in a file.
· Click or press System/Save or F4 or 🖫.

Don't forget to save

⇨ You have created and saved a configuration.
⇨ You have assigned the escape door control systems (*box*) to doors.

Configure CMC boxes

Prerequisite

The configuration to be edited is open and the cross-classified table (Fig. 7, page 24) is displayed (“Load a system configuration”, page 31).

Configure doors

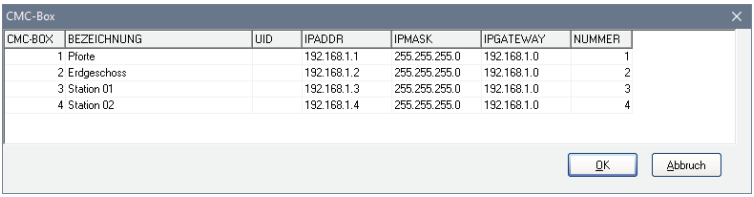
1 Click column header Box <no.>.

⇨ The *CMC box* dialogue is displayed.

2 Click Edit data

⇨ The *CMC box* dialogue with a list of the CMC boxes is displayed.

3 Edit the table displayed.



The unique UIDs of the components in the escape route are later transferred automatically.

3.1 Assign informative designations for the CMC boxes.

3.2 Enter the unique IP addresses.
The IP addresses incl. IP mask and IP address of the gateways can be obtained from the local IT department.

Don't forget to save

4 Save the configuration.
- Click or press System/Save or F4 or .
or
- Click or press System/Save as or F5 or .

⇨ You have configured the addressing of the CMC boxes.

⇨ You have edited and saved a configuration.

Configure doors

Prerequisite

The configuration to be edited is open and the cross-classified table (Fig. 7, page 24) is displayed (“Load a system configuration”, page 31).

Configure doors

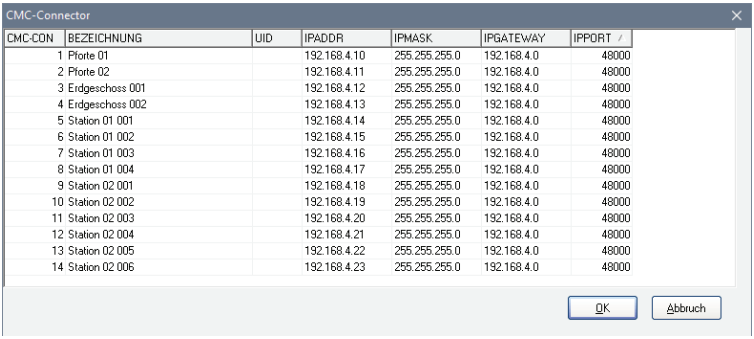
1 Click the row header Door.

⇨ The *CMC connector* dialogue is displayed.

2 Click Edit data

⇨ The *CMC connector* dialogue with a list of the CMC doors is displayed.

3 Edit the table displayed.



CMC-CON	BEZEICHNUNG	UID	IPADDR	IPMASK	IPGATEWAY	IPPORT
1	Pforte 01		192.168.4.10	255.255.255.0	192.168.4.0	48000
2	Pforte 02		192.168.4.11	255.255.255.0	192.168.4.0	48000
3	Erdgeschoss 001		192.168.4.12	255.255.255.0	192.168.4.0	48000
4	Erdgeschoss 002		192.168.4.13	255.255.255.0	192.168.4.0	48000
5	Station 01 001		192.168.4.14	255.255.255.0	192.168.4.0	48000
6	Station 01 002		192.168.4.15	255.255.255.0	192.168.4.0	48000
7	Station 01 003		192.168.4.16	255.255.255.0	192.168.4.0	48000
8	Station 01 004		192.168.4.17	255.255.255.0	192.168.4.0	48000
9	Station 02 001		192.168.4.18	255.255.255.0	192.168.4.0	48000
10	Station 02 002		192.168.4.19	255.255.255.0	192.168.4.0	48000
11	Station 02 003		192.168.4.20	255.255.255.0	192.168.4.0	48000
12	Station 02 004		192.168.4.21	255.255.255.0	192.168.4.0	48000
13	Station 02 005		192.168.4.22	255.255.255.0	192.168.4.0	48000
14	Station 02 006		192.168.4.23	255.255.255.0	192.168.4.0	48000

The unique UIDs of the components in the escape route are transferred automatically later.

3.1 Assign informative designations for the CMC doors.

3.2 Enter the unique IP addresses.
The IP addresses incl. IP mask and IP address of the gateways can be obtained from the local IT department.

Don't forget to save

4 Save the configuration.
- Click or press System/Save or F4 or
  or
- Click or press System/Save as or F5 or .

⇨ You have configured the addressing of the CMC doors.

⇨ You have edited and saved a configuration.

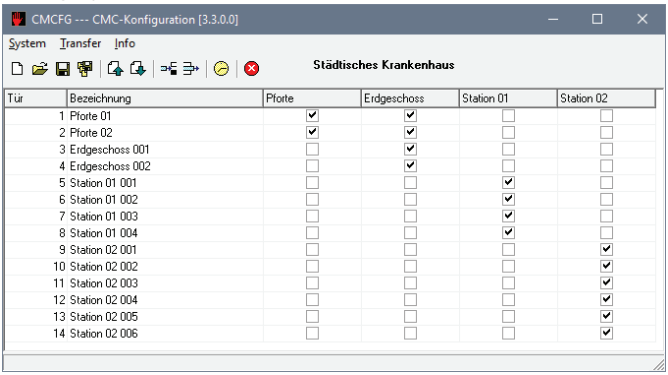
Link CMC boxes with doors

Prerequisite

The configuration to be edited is open and the cross-classified table(Fig. 7, page 24) is displayed (“Load a system configuration”, page 31).

Configure CMC boxes and doors

1 Assign the doors to the CMC boxes,
setting ☑/☐ in the cross-classified table.



A CMC box communicates only with the doors assigned to it.

Don't forget to save

2 Save the configuration.
- Click or press System/Save or F4 or
  or
- Click or press System/Save as or F5 or .

⇨ You have configured the addressing of the CMC doors.

⇨ You have edited and saved a configuration.

Send data to a CMC box

Prerequisite

Using a USB cable, the CMC box is connected to the computer on which the *CMCFG* software is running.

The configuration to be edited is open and the cross-classified table (Fig. 7, page 24) is displayed (“Load a system configuration”, page 31).

Transfer configuration to CMC box

1 Click the column header for the CMC box to which the data is to be sent.

⇨ The *CMC box* dialogue is displayed.

⇨ The CMC box previously clicked in the cross-classified table is named in the dialogue.

2 Check that you have selected the right CMC box and, if necessary, correct your selection.

3 Click Send data

⇨ The configuration is transferred to the CMC box.

⇨ The UIDs are also exchanged.
This is why the configuration has to be saved again.

Don't forget to save

4 Save the configuration.
- Click or press System/Save or F4 or
  or
- Click or press System/Save as or F5 or .

Send data to a door

Prerequisite

Using a USB cable, the door to be configured is connected between the CMC connector of the door and the computer, on which the *CMCFG* software is running.

The configuration to be edited is open and the cross-classified table (Fig. 7, page 24) is displayed (“Load a system configuration”, page 31).

Transfer configuration to door

1 In the cross-classified table, in the Door or Designation column, select the door to which the data is to be sent.
2 Click the column header Door.
⇨ The *CMC connector* dialogue is displayed.
⇨ The door previously selected in the cross-classified table is named in the dialogue.
3 Check that you have selected the right door and, if necessary, correct your selection.
4 Click Send data
⇨ The configuration is transferred to the door.
⇨ The UIDs are also exchanged.
This is why the configuration has to be saved again.

Don't forget to save

5 Save the configuration.
· Click or press System/Save or F4 or
or
· Click or press System/Save as or F5 or .

Configure the ePED components

1 Configure the ePED components, if available, in the following sequence. (separate instructions depending on terminal version, *D01140xx* or *D01146xx*):
1.1 ePED IO components
1.2 ePED interface for locking devices
(chapter on ePED jumper pairs for security functions)
1.3 ePED door terminal

Test function of the door

The test may have to be carried out by two people at the door and the controlling CMC box.

Warning!

Risk of death if a test result is incorrectly interpreted: If, during a test, a concrete door is sent a release request from a further door at the same time, this second signal can be erroneously interpreted as a successful test result. An installation not carried out properly therefore remains undiscovered and the door is not released in case of danger.

· Ensure that only the door to be tested can be operated.

1 Person 1: Trigger a local Emergency Open.

⇨ Person 2: The controlling CMC box displays a release request.

2 Person 2: Extend the delay time via the controlling CMC box.

3 Person 1: Check whether an extended waiting time is displayed on the door terminal.

⇨ The test is successful if the extended release delay is displayed on the door terminal. There is a connection between the door and escape door control unit.

Check CMC connector

Tab. 5: Check CMC connector

Green LED	Yellow LED	Red LED	Description
Flashes	Off	(As required)	*CMC connector* is connected to all assigned *CMC boxes*
Flashes	On	(As required)	At least one *CMC box* is not connected or sends an incorrect ID or the assignment is incorrect
Off	On	(As required)	"Local mode": no connection to *CMC boxes*
(As required)	(As required)	On	Door is locked
(As required)	(As required)	Off	Door is released

General operation

Load a system configuration

1 Open a saved configuration file.
· Click or press System/Load or F3 or .

⇨ A cross-classified table with the entered number of doors in the rows and CMC boxes in the columns is displayed (Fig. 7, page 24).

Change the designation of the configuration

Prerequisite

The configuration to be edited is open and the cross-classified table (Fig. 7, page 24) is displayed ("Load a system configuration", page 31).

Change the designation

1 Click the designation of the configuration in the toolbar.

⇨ The *Change designation* dialogue is displayed.

2 Change the designation and confirm with OK.

3 Save the configuration.
· Click or press System/Save or F4 or
or
· Click or press System/Save as or F5 or .

⇨ You have edited and saved a configuration.

Logging via event logger

A standard USB stick is required for the recording of events in the system, which must be inserted into one of the four USB connections (Fig. 6, page 19) – ❷).

The time is set using the CMC configuration programme.

The log is recorded in the folder ERLOG/ on the USB stick; the file name is the date of the recording day.

Example of a log:

```
2018-04-06;05:26:25;0;11;PowerOn
2018-04-06;05:26:26;0;13;192.168.233.81
2018-04-06;05:26:26;0;13;192.168.233.114
2018-04-06;05:36:32;0;33;TimeDelay2Start
2018-04-06;05:36:37;0;34;TimeDelay2Cancel
2018-04-06;05:38:00;0;21;EmergencyBtnPressed
2018-04-06;05:38:10;0;22;EmergencyBtnReset
```

Event number	Text in the log	Explanation
11	PowerOn	Switched on
12	[IP address]	Connection to CMCCON-IP lost
13	[IP address]	Connection to CMCCON-IP created
21	EmergencyBtnPressed	Emergency button pressed
22	EmergencyBtnReset	Emergency button reset
31	TimeDelay2Act	Release delay activated via key switch
32	TimeDelay2Deact	Release delay deactivated via key switch
33	TimeDelay2Start	Release request triggered (release delay)
34	TimeDelay2Cancel	Release request cancelled

Technical data

Feature	Characteristic
Power supply	12 V (–10 %) to 24 V (+10 %) SELV
Maximum current consumption at 24 V at 12 V	200 mA 500 mA
Application site	for use in indoor areas
Protection rating	IP30 (when completely mounted)
Operating temperature	–10 °C – +55 °C
Certification in accordance with	DIN EN 13637:2015 and EltVTR

Communication

Feature	Characteristic
Minutes	TCP
Encryption	SSL
Port	Configurable via CMCFG Standard: 48,000
Restart time after offline status (local mode ended)	after 2 to 6 seconds, depending on network settings and offline duration (possible new change of the SSL key)
Data volume Example 1: 1 x central escape route control 1 x CMC connector Example 2: 1 x central escape route control 10 x CMC connector	System-dependent approx. 2 Kbyte / second approx. 20 Kbyte / second

Maintenance

Warning!

Danger due to faulty or improperly performed maintenance: The owner is responsible for correct installation and functional inspection of the product and connected components.

- The safe function must be tested by a trained qualified expert **at least once per year**.
- Requirements established by inspection authorities must be complied with.

ASSA ABLOY Sicherheitstechnik GmbH offers training for qualification in the requisite skills.

In particular:

At the time of the initial commissioning

- A test log must be created at the time of the initial commissioning, wherein a description of the installed electrically controlled escape route system, configuration parameters, and results of the complete functional testing are recorded.

For each scheduled maintenance

- All further maintenance must be recorded in a suitable test log book (available from ASSA ABLOY Sicherheitstechnik GmbH).
- If permissible and officially approved modifications of the electrically controlled escape route system should take place at a later time, they must be recorded in the same manner as for an initial commissioning.
- Ensure that all opening and closing functions of all escape doors are fully functioning when the escape route system is deactivated.
- Ensure that the escape doors are secured after activation of the electrically controlled escape route system.
- Ensure that the escape doors can be opened after the central and local Emergency Open buttons are pressed.
- Ensure that the escape doors are unlocked on actuation by a connected fire alarm system.
- All components of the electrically controlled escape route system must be inspected for damage, changes, and secure mounting, and the configuration and safe functionality must be assured.
- It must be ensured that there are no relevant deviations from the recorded initial commissioning of the electrically controlled escape route system with respect to condition, configuration, and functionality. If there are deviations, they must be recorded accordingly and subjected to approval by inspection authorities.

Warranty, disposal

Latest news

The latest information is available at: www.assaabloy.com/de

Warranty

The statutory warranty periods and *ASSA ABLOY Sicherheitstechnik GmbH's* Terms and Conditions of Sale and Delivery (www.assaabloy.com/de) apply.

Disposal

The following applies to products marked with the symbol (crossed out dustbin): The applicable environmental protection regulations must be observed. Do not dispose of electrical devices in the household waste.

Packaging

Packaging materials must be recycled. You can also give packaging material to the distributor or trade professional for disposal free of charge at the place of handover.

Product

WEEE-Reg.-Nr. DE 69404980
You must dispose of the product correctly as electronic scrap after use and take it to a local collection point for recycling free of charge.

You have the following additional options for free disposal through the distributor:

- Return an old device with similar functions at the place where the new device is delivered.
- Return a maximum of three similar old appliances (max. edge lengths 25 cm) to a retail store with no obligation to purchase a new one.

The take-back obligation applies to distributors of electrical appliances with a sales area of over 400 m² or to distributors of foodstuffs that offer electrical appliances several times a calendar year or continuously with a total sales area of 800 m². In the case of online providers, the total storage and shipping areas for electrical appliances are considered retail space. For further details, see German Electrical and Electronic Equipment Act Section 17 (1)(2) [ElektroG3 §17 (1)(2)].

Distributors using means of remote communication must, upon delivery, collect or take away free of charge heat exchangers, screens, monitors and devices containing screens with a surface area greater than 100 square centimetres and devices in which at least one of the external dimensions is greater than 50 centimetres. For lamps and smaller devices in particular, they must ensure suitable return options at a reasonable distance.

The ASSA ABLOY Group is the global leader in access solutions. Every day we help people feel safe, secure and experience a more open world.

ASSA ABLOY
Opening Solutions

ASSA ABLOY
Sicherheitstechnik GmbH
Bildstockstraße 20
72458 Albstadt
GERMANY
Phone: +49 (0)7431 123-0
albstadt@assaabloy.com
www.assaabloy.com/de