OPERATING INSTRUCTIONS

SIEGENIA®
brings spaces to life

KFV

Electro-mechanical systems

A-opener 2.2

Window systems

Door systems

Comfort systems

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1 Introduction

Read these instructions completely before you use the A-opener 2.2.

To ensure safe use, adhere to the defined operating instructions in order to prevent functional disorders or damage.

Follow the notes in Chapter 2 "Safety", in order to prevent personal injury or damage.

1.1 Producer and service

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Please contact your contractual partner in case of complaints or service requirement.

1.2 Target group of this documentation

This documentation is intended for use by end users.

1.3 Intended use

- In combination with automatic multi-point locking, the A-opener 2.2 enables motorised unlocking and is suitable for installation in timber, aluminium, steel and PVC entrance doors.
- The A-opener 2.2 may only be used
  - with cylinder locks with a rigid catch in which the catch is locked in a key withdrawal position inside the range of - 30° to + 30°
  - with cylinder locks with a non-restrictive catch in which the catch can always be freely turned
  - in vertical installation
  - in a technically sound condition
  - in conjunction with KFV products and accessories

1.4 Improper use

- The A-opener 2.2 in combination with automatic multi-point locking systems must not be used
  - for escape doors in accordance with EN 179 or EN 1125
  - in doors for wet rooms or rooms in which the air contains aggressive or corrosive components
- The A-opener 2.2 and the automatic multi-point locking system must not be interfered with or modified.

1.5 Maintenance and service notes

Never use cleaning agents that are aggressive or contain solvents. This could damage the surfaces of the components.

1.6 Dimensions

All measurements are given in mm.

1.7 Symbols used

The following icons are used in this document:

	General warning symbol
	Useful information or advice

The following symbols for the LEDs are used in this document:

	LED off
	LED lights up
	LED flashes
	LED flashes alternatively in the indicated colours

1.8 Other types of presentations

Below is a list of symbols used in these instructions and their meanings:

- Items of text following this marker are found in lists.
  - Items of text following this marker are found in subordinate lists.

▶ Items of text with this marking in front of them are instructions that must be followed in the specified order.

Cross reference

() A cross reference in the flow text is enclosed by brackets.

1.9 Applicable documents

For the installation of the SIEGENIA access control system, it is essential to observe all assembly and operating instructions that are enclosed with other (optional) components.

1.10 Appropriate disposal



Electrical devices should not be disposed of as household waste. Bring the device, accessories and packaging to an environmentally-friendly recycling facility.

2 Safety

- All work on the 230 V AC mains power supply must be carried out in compliance with the current German VDE regulations (e.g., VDE 0100) and any relevant country-specific requirements.
- All-pole safety isolation should be used when routing the network connection cable on-site.
- Any modifications to the A-opener 2.2 are prohibited.
- Wiring the unit incorrectly can irreparably damage its electronic components.

2.1 Structure of the warning notes

The warning notes in these instructions

- when observed, provide protection against potential personal injury and material damage,
- classify the level of danger by the signal word,
- designate the danger of personal injury via the hazard sign,
- define the type and source of danger,
- show measures to prevent hazards and prohibit specific behaviour.

The warning notes are set up according to the following principle:

⚠ SIGNAL WORD
Type and source of danger
Explanation of the type and source of danger
• Measures for the prevention of the danger

The hazard sign designates warning notices that warn of personal injury.

The type and source of the hazard defines the cause of the hazard. The potential consequences of non-observation of warning notices are e.g. danger to life due to electric shock.

Under measures, actions are listed that must be carried out for the prevention of hazards or which are prohibited for the prevention of a hazard.

2.2 Warning notes used

⚠ DANGER

The signal word "Danger" designates an immediately threatening danger. If this hazard is not prevented, it leads to death or severe injuries.

⚠ WARNING

The signal word "Warning" designates a potential hazard. If this hazard is not prevented, it could lead to death or severe injuries.

⚠ CAUTION

The signal word "Caution" designates a potentially hazardous situation. If this hazardous situation is not prevented, it could lead to minor or moderate injuries.

NOTICE

The signal word "Note" defines actions for the prevention of material damage. The observation of these notes prevents damage to the components.

	Information, advice etc.

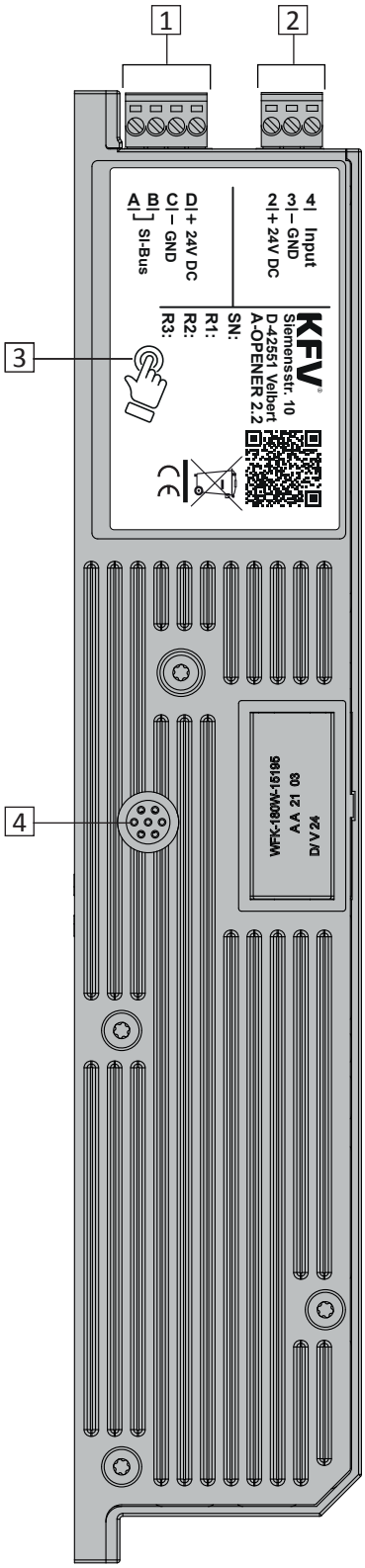
This symbol indicates special features and designates facts that require increased attention.

2.3 Warning notes

⚠ WARNING
Risk of fatal injury from electric shock and short circuit
Wrong connection of the A-opener
• All-pole safety isolation should be used when routing the network connection cable on-site. • All work on the 230 V AC mains power supply must be carried out in compliance with the current German VDE regulations (e.g., VDE 0100) and any relevant country-specific requirements.

	If energy-carrying cables are routed in parallel to data cables (ISDN, DSL, etc.), this could lead to interference e.g. in the speed of the data transmission.

3 Connections and operating elements

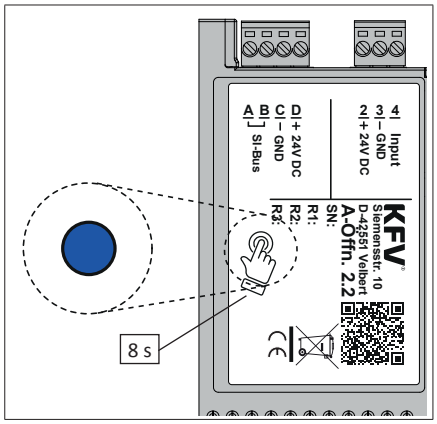


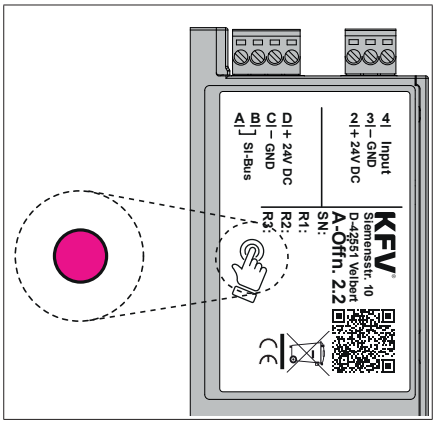
Item	Function
[1]	SI-BUS connection
[2]	Analogue connection
[3]	Button with menu LED for menu navigation (located under the label) to make all adjustments of the A-opener. During the navigation through the menu, the individual colours and statuses (shining or flashing) provide information on the position of the user in the menu (see chapter 4.1).
[4]	Status LED to indicate the current operating status.

The menu navigation button and indicator of the status LED can only be operated in the uninstalled state.

4 Operation

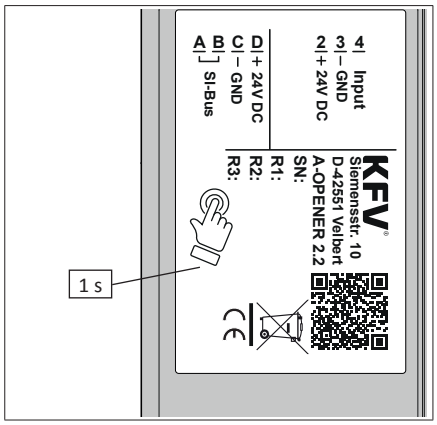
4.1 Menu navigation

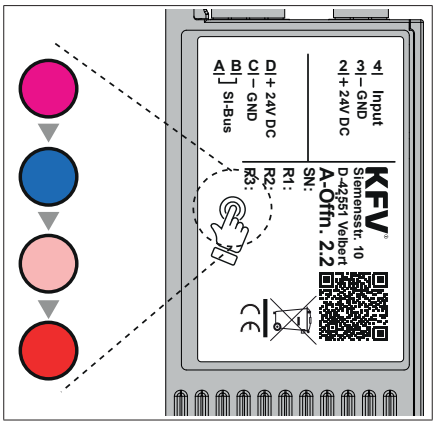




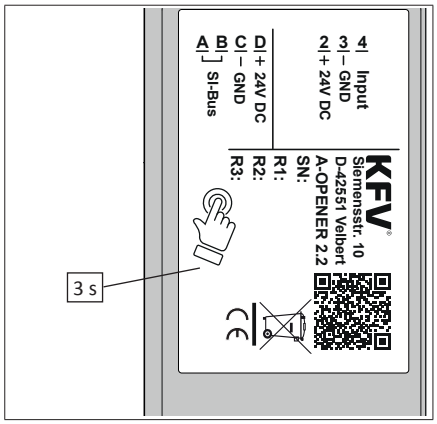
> The menu navigation button and indicator of the status LED can only be operated in the uninstalled state.

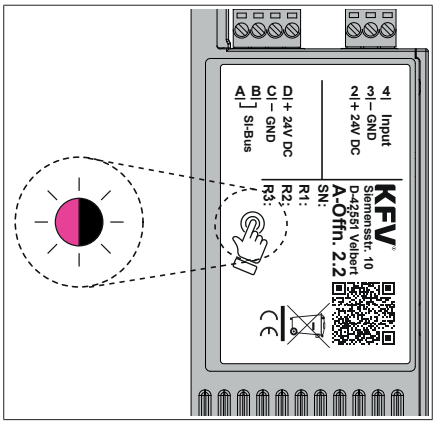
- To proceed to the menu, press the button on the A-opener for 8 seconds until the menu LED magenta lights up. The LED lights up blue during these 8 seconds.
- An acoustic signal sounds as acknowledgement.



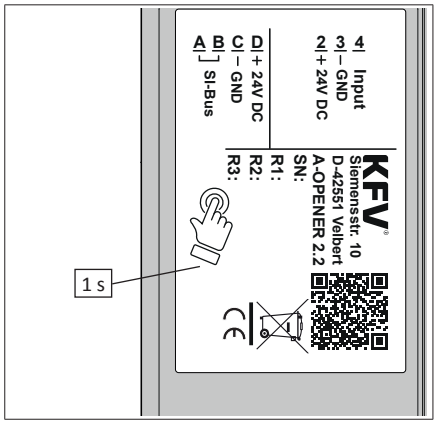


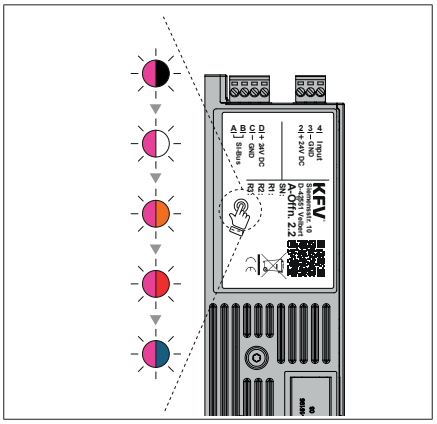
- Press the menu button for 1 second to change to level 1 (see 4.2) in the menu items.
- Every press of a button is acknowledged by an acoustic signal.



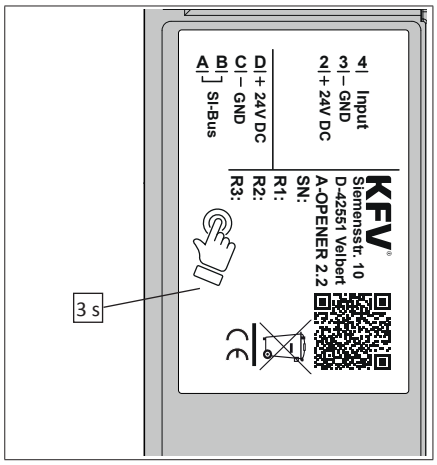


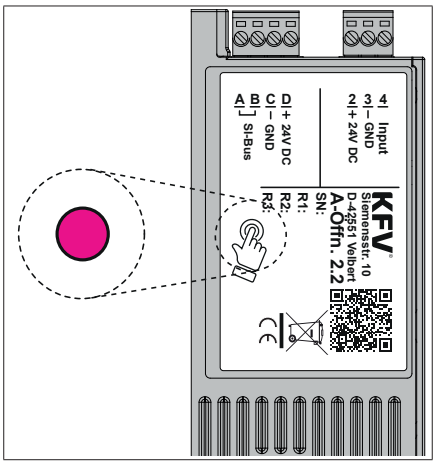
- To select a level 1 menu, hold down the menu button on the relevant main menu for 3 seconds.
- An acoustic signal sounds as acknowledgement.
- The selected function in level 2 is indicated by colour alternating flashing.





- Press the menu button for 1 second to change the functions in level 2 (see 4.2).
- Every press of a button is acknowledged by an acoustic signal.

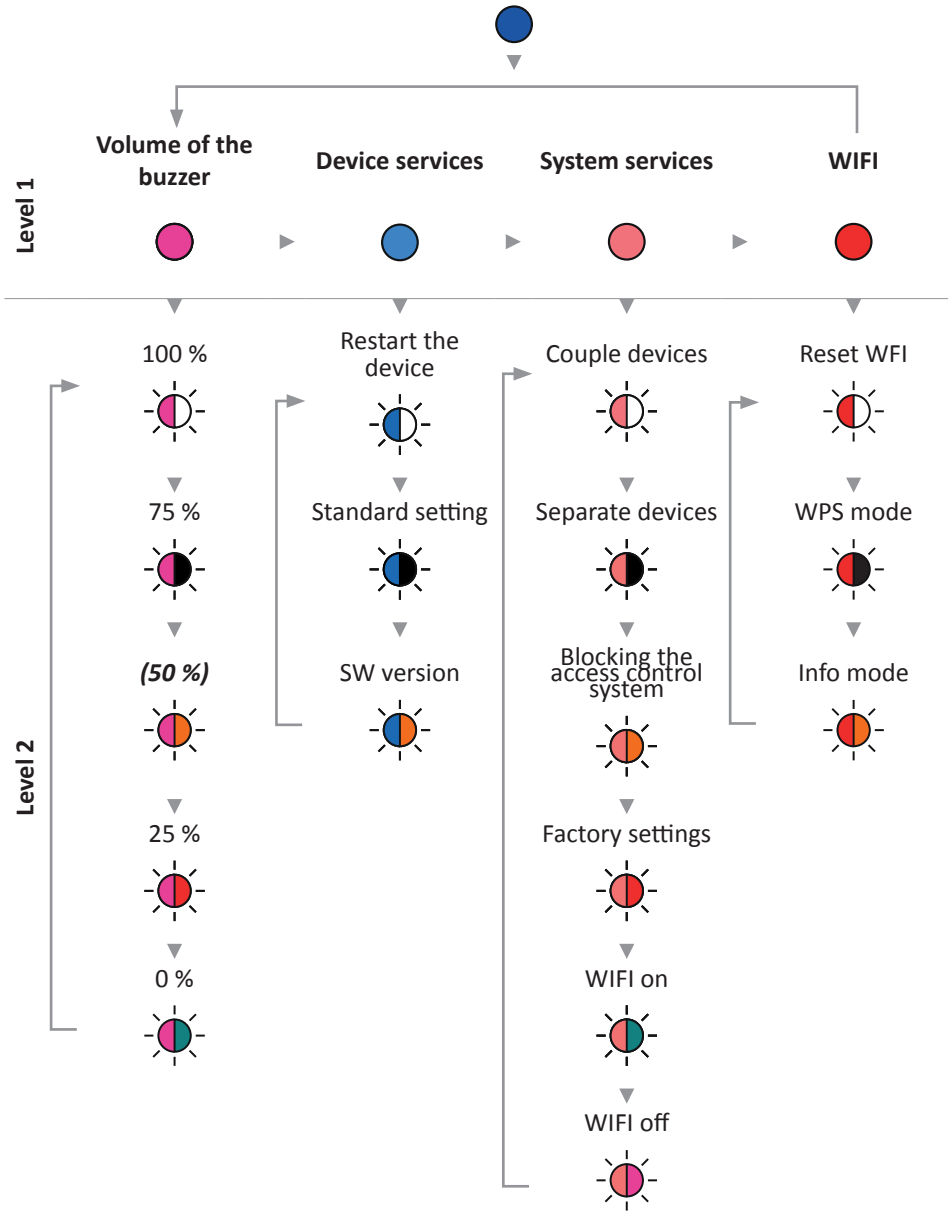




- Hold down the button for 3 seconds to select a function.
- An acoustic signal sounds as acknowledgement.
- You will exit the menu.

The menu settings are terminated without changes if there are no entries within a timeout of 30 seconds.
The status LED will switch off if the button is not activated for 2 minutes.

4.2 Menu structure



The default values on delivery are displayed in bold italics in brackets (example: ***(50%)***).

4.3 Functions

4.3.1 Volume of the buzzer

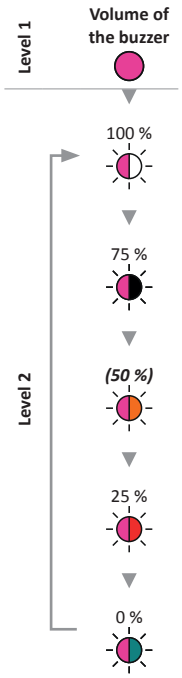
The buzzer delivers the acoustic feedback of the opening process or malfunction.

The volume for the feedback of the opening process is adjustable in five stages from 0 % to 100 %. Coupled to this is the sound volume of the button of the menu button with exception of the stage 0%. The volume remains at 25% here.

The following values can be set in the menu „volume of buzzer“:

Value	LED	explanation
100 %		Volume of the buzzer is set to 100 %.
75 %.		Volume of the buzzer is set to 75 %.
(50 %)		Volume of the buzzer is set to 50 % (default value).
25 %.		Volume of the buzzer is set to 25 %.
0 %.		Volume of the buzzer is set to 0 %.

Menu structure



Operating sequence

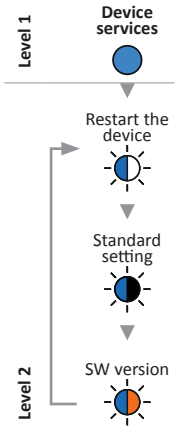
Step	Press the menu button LED lights up blue	LED	explanation
1 ▶	8 s ▶	Magenta	Retrieve menu settings
▼			
2 ▶	3 s ▶	(Example)	Display of the current set values (Default value: 50 %)
▼			
3 ▶	(X) x 1 s ▶	Magenta/ white to Magenta / turquoise	Changing the values to the desired value: 100 % -> 75 % -> 50 % -> 25 % -> 0 %
▼			
4 ▶	3 s ▶	(Example)	Select value, save and exit menu

4.3.2 Device services

The following functions can be carried out in the menu „device services“:

Function	LED	explanation
Restart the device		The device restarts (reboot) without separation from the supply voltage.
Default settings		All other functions in the A-opener 2.2 are reset to the default values on delivery.
SW version		The software version is issued via a certain LED code (only for service purposes).

Menu structure



Operating sequence

Step	Press the menu button LED lights up blue	LED	explanation
1	8 s	Magenta	Retrieve menu settings
▼			
2	1 s	Light blue	Change to menu „Device services“
▼			
3	3 s	Light blue/ White	Call up menu „device services“
▼			
4	(X) x 1 s	Light blue/ White to Light blue/ Orange	Change to desired function: „Restart device“ -> „Default settings“ -> „SW version“
▼			
5	3 s	(Example)	Execution of the function

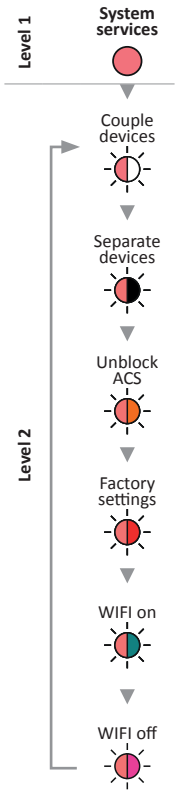
4.3.3 System services

The menu “system services“ can be retrieved for approx 10 minutes after the supply voltage has been established. No further adjustments can be made afterwards. The 10 minutes are available once again after the supply voltage has been disconnected and reconnected.

The following functions can be carried out in the menu „system services“:

Function	LED	explanation
Couple devices		All devices connected via the SI-BUS (SIEGENIA access control system, SI-BUS I/O-module etc.) are successively integrated into the system. All successfully connected devices are acknowledged by a signal tone on the respective device. The A-opener 2.2 is the master device.
Separate devices		All devices that are no longer connected to the SI-BUS will be removed from the SI-BUS. They must no longer be connected to the A-opener 2.2. All devices that are still connected to the SI BUS remain coupled.
Unblock ACS		SIEGENIA access control systems ACS (fingerprint scanner, transponder, keypad), which are blocked for a specific time due to too many false entries, can be unblocked prior to expiry of this time with this function.
Factory settings		The following adjustments are reset to the factory settings: all device couplings, the complete user administration, all device names, all system names, the WIFI configuration, all protocol log entries (ACS), the keyless settings
WIFI on		Switches on the WIFI function. The SIEGENIA Comfort APP can be used.
WIFI off		Switches off the WIFI function. The SIEGENIA Comfort APP can not be used.

Menu structure



Operating sequence

Step	Press the menu button LED lights up blue	LED	explanation
1	8 s	Magenta	Retrieve menu settings
2	2 x 1 s	Bright red	Change to menu „System services“
3	3 s	Bright red/ white	Call up "system services" menu
4	(X) x 1 s	Bright red/ white to Bright red/ Violet	Change to the desired function: „Couple device“ -> „Disconnect device“ -> „Unblock ACS“ -> „Factory settings“ -> „WIFI on“ -> „WIFI off“
5	3 s	(Example)	Execution of the function

4.3.4 WIFI

The menu “WIFI“ can be retrieved for approx 5 minutes after the supply voltage has been established. No further adjustments can be made afterwards. The 5 minutes are available once again after the supply voltage has been disconnected and reconnected.

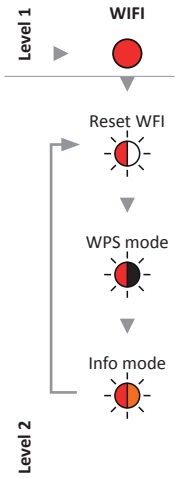
The following functions can be carried out in the menu „WIFI“:

Function	LED	explanation
Reset WFI		The undertaken WIFI settings will be reset
WPS mode		The devices are connected via the WPS mode. The router must support this function.
Info mode		This mode is available for service purposes.

You will find further information on the WIFI function as well as all FAQs on this topic on the following SIEGENIA Internet page:

https://smarthome.siegenia.com

Menu structure



Operating sequence

Step	Press the menu button LED lights up blue	LED	explanation
1	8 s	Magenta	Retrieve menu settings
2	3 x short	Red	Change to menu „WIFI“
3	3 seconds	Red/White	Call up "WIFI" menu
4	(X) x short	Red/White to Red/Orange	Change to the desired function: „WLAN Reset“ -> „WPS Mode“ -> „Info Mode“
5	3 seconds	(Example)	Execution of the function

4.4 Display of status LED

LED		Buzzer	Description	Action	Comment
	lights up green		Disturbance-free		
	Flashes green		Opening signal is present		
	Flashes yellow		Faulty contact of the connecting clamps	Check connecting clamps	If the fault persists Contact service partner if the fault persists.
	Lights up yellow		Limited function		Contact service partner if the fault persists.
	Lights up red		Supply voltage defective	Check the supply voltage	If the fault persists Contact service partner if the fault persists.
			Operating voltage exceeded	Check the ambient temperature	
	Lights up red		Error in the control unit		Contact service partner if the fault persists.
	Flashes red		Block drive with opening procedure	Check mechanical sluggishness	If the fault persists Contact service partner if the fault persists.
				Check whether the main deadbolt has been extended via the profile cylinder (child-proof lock active / lever handle blocked)	

- To lock or unlock the door with the cylinder key, always turn it as far as it will go. The cylinder key must then be turned back some way before it can be removed from the cylinder lock.
- If the door is released automatically, it remains open for 3 s and an acoustic signal will be audible for this period.
- The multi-point lock with A-opener 2.2 will return to the locking position if the door is not opened during this period. The automatic multi-point locking system with A-opener 2.2 locks mechanically automatically if the door is closed.
- Opening the door via cylinder lock, lever handle, or horizontal actuating rod is only admissible during motor shutdown.
- If the multi-point lock has been locked via the profile cylinder, the main deadbolt is extended and the lever handle is therefore blocked (child-proof lock). An electric opening process may not be carried out in this case.

5 Further information

You will find further information on the operation of the A-opener 2.2 (e.g. in conjunction with the SIEGENIA access control system) as well as all FAQs on the topic of „SIEGENIA Smarthome“ on the following SIEGENIA Internet page:

https://smarthome.siegenia.com

www.siegenia.com

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