

GEZE
SECULOGIC
TZ320
Emergency Exit System
Door Control Unit

GB Installation and Commissioning
Instructions with Terminal Diagram
Brief instructions

Contents

1	About this document	2
1.1	Product description	2
1.2	Related documents.....	2
1.3	Key to symbols.....	3
2	Safety and responsibility	3
2.1	General safety instructions	3
2.2	Product liability.....	3
3	Installation and assembly.....	4
3.1	Preconditions	4
3.2	Installing the flush-mounted door control unit.....	4
3.3	Fitting the surface-mounted door control unit.....	6
3.4	Replacing the lock cylinder	7
4	Commissioning	8
4.1	Preconditions	8
4.2	Service mode	8
4.3	Settings	8
4.4	Description of basic functions.....	9
5	Operation.....	10
5.1	Controlling door control unit TZ320 with the key switch	10
5.2	Opening doors in emergencies and triggering the alarm	11
5.3	Cancelling alarms	11
5.4	Reading out fault message	12
5.5	Reading out alarm messages.....	12
6	Terminal diagram	14
6.1	Door control unit TZ320 (terminals, fuses).....	14
6.2	Notes about the terminal diagram	15
6.3	Door control unit TZ320S, TZ320SN	16
6.4	Unlocking through BMA, GMA or RWA.....	17
6.5	Key switch SCT221/SCT to temporary unlocking.....	17
6.6	Key switch SCT320 for external control unlocking, locking, temporary unlocking and acknowledging alarms....	17
6.7	Terminal box KL220	18
7	Appendix.....	19
7.1	Commissioning check list.....	19

1 About this document

These instructions describe the installation and commissioning of the GEZE TZ320 door control unit.

1.1 Product description

The GEZE door control unit is part of the SecuLogic emergency exit system. It is designed for controlling and monitoring electrically interlocked emergency exit doors. The GEZE door control unit reliably secures doors along emergency exit routes against unauthorized access. At the same time the built-in emergency stop pushbutton allows instant passage in the event of an emergency.

1.2 Related documents


All components are supplied with data sheets containing their technical specifications. These data sheets, as well as further documentation and the detailed installation and commissioning instructions with terminal diagram No. 131537, is available on the Internet under www.geze.de/SecuLogic.

1.3 Key to symbols

Warning




In these instructions, warnings are used to warn against material damage and injuries.

- ▶ Always read and observe these warnings.
- ▶ Follow all instructions marked with the warning symbol and the word WARNING.

Warning symbol	Warning	Meaning
	WARNING	Danger for people. Serious or fatal injury can occur if these instructions are not observed.

Further symbols used in these instructions

Important information and technical notes are emphasised to illustrate the correct operation.

Symbol	Meaning
	means "Important note"
	means "Additional information"
	Symbol for a user action. Here you have to take an action. Observe the sequence if there are several action steps.

2 Safety and responsibility

The GEZE door control unit has been designed according to the latest technical standards and acknowledged safety rules and regulations. Dangers can, nevertheless, occur in its installation and use. You must therefore observe the following instructions.

2.1 General safety instructions

- ▶ Installation, commissioning and repairs must be performed only by GEZE-authorized specialists.
- ▶ Use only genuine GEZE parts for repairs.
- ▶ GEZE accepts no liability for damage arising from unauthorized modifications to the installation.
- ▶ Primary building safety measures must be taken by the owner.
- ▶ Cables must be laid according to standards VDE 0100 and VDE 0815.
- ▶ Doors with electrical locks along escape routes should be inspected annually by a specialist. The specialist must issue a certificate verifying the periodic inspection, which the owner must submit to the building inspectorate on request. The inspection can be performed by a GEZE service technician or a GEZE-authorized service provider.
- ▶ In addition, GEZE recommends a monthly inspection of the emergency exit system for visible damage and faults by the owner. Any identified damage or faults must be rectified immediately by a GEZE service technician or a GEZE-authorized service provider.

Intended use

The GEZE door control unit is intended for controlling and monitoring electrically locked emergency exits. Third-party products must be used only after consultation with GEZE.

Improper use

Improper use includes the connection of any products that are not expressly approved by GEZE.

2.2 Product liability

- According to manufacturers' liability for their products as defined in the German product liability act, the information contained herein and in the associated installation instructions and terminal diagrams (product information and intended use, incorrect use, product performance, product maintenance, obligation to inform and obligation to provide instruction) must be observed. Non-observation frees the manufacturer from their liability.
- Installation, function testing and maintenance must be performed only by GEZE-authorized personnel. GEZE accepts no liability for damage arising from unauthorized modifications to the installation.
- A combination with third-party devices invalidates GEZE's warranty. For repair and maintenance, use only original GEZE parts.

3 Installation and assembly



WARNING!

Risk of death through electric shock.

- ▶ Installation must be performed only by GEZE-approved specialist personnel.
- ▶ Check that all cables are voltage-free before installation.

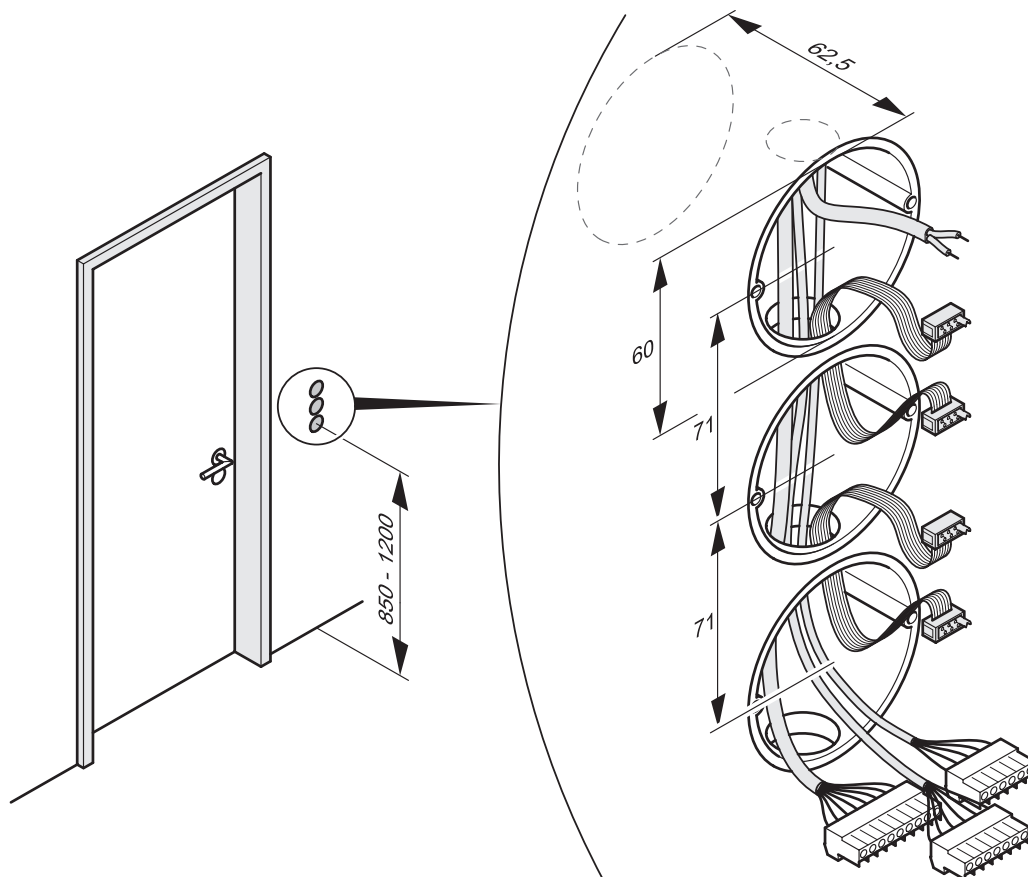
3.1 Preconditions

- Cables are routed according to GEZE cabling diagram
- Miniature circuit-breakers as primary, mains-side disconnectors
- Observation of standards VDE 0100 und VDE 0815 for laying cables
- Tamper-proof cable routing according to VDE 0833 (surface-mounted cables in steel conduit)
- For flush-mounted cabling, flush-mounted sockets (depth 62.5 mm) at a mounting height of 850 mm from upper edge of floor and up to 1200 mm for the emergency button

3.2 Installing the flush-mounted door control unit

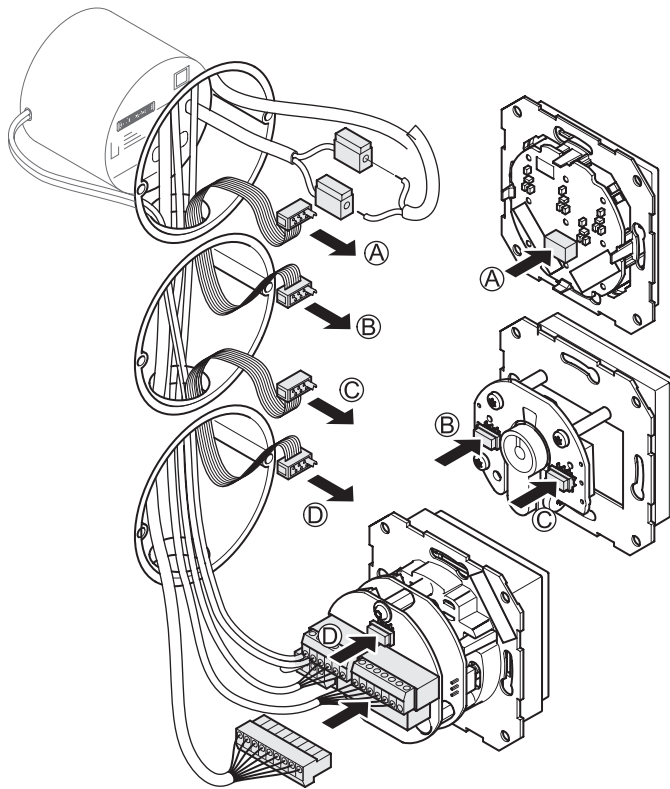
These instructions describe the recommended installation of the a flush-mounted door control unit using the TZ320BSN as an example.

- ▶ Lay mains cable and ribbon cable in the flush-mounted sockets.
- ▶ Connect cable to terminal blocks according to terminal diagram.

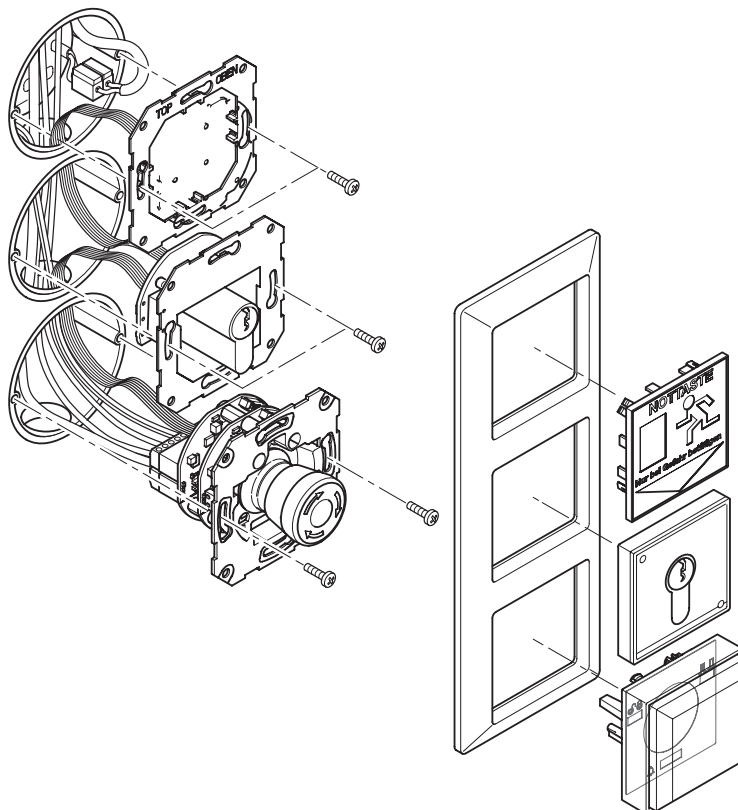


- ▶ Connect and fit the PSU.
- ▶ Connect the door control module with the key switch and the key switch with the emergency exit sign using the ribbon cable.

- ▶ Fit the terminal blocks to the back of the door control unit.
- ▶ Fit jumpers according to the terminal diagram.



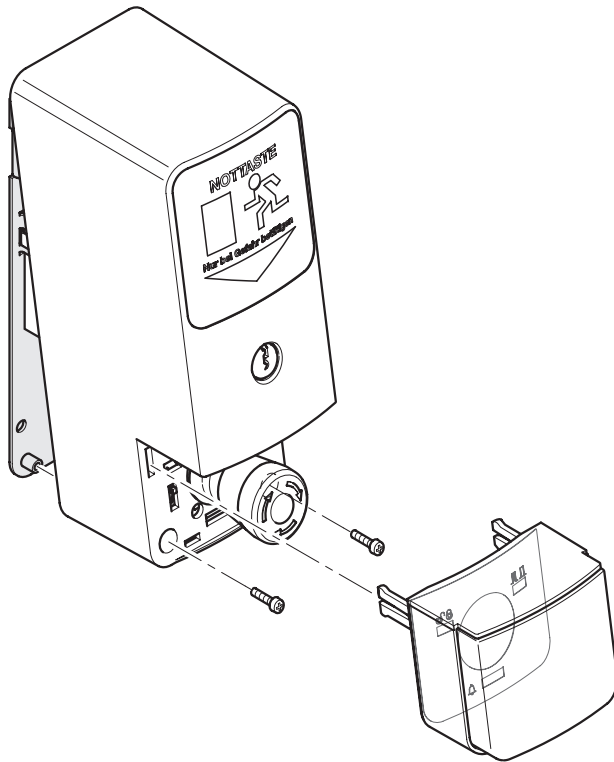
- ▶ Fit the door control unit.
- ▶ Fit the green adhesive frame.



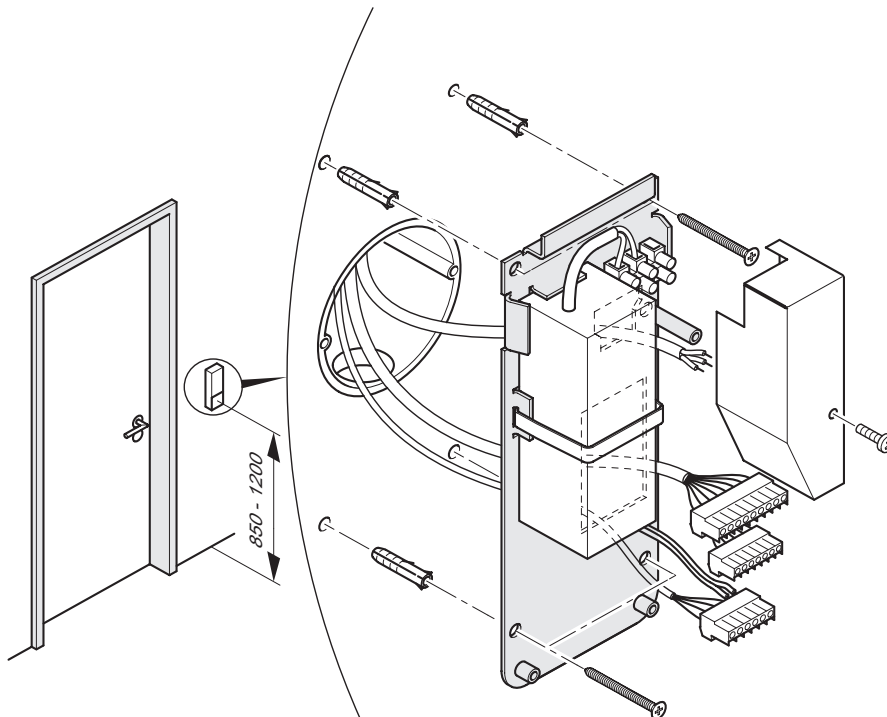
- ▶ Test the unit's function.

3.3 Fitting the surface-mounted door control unit

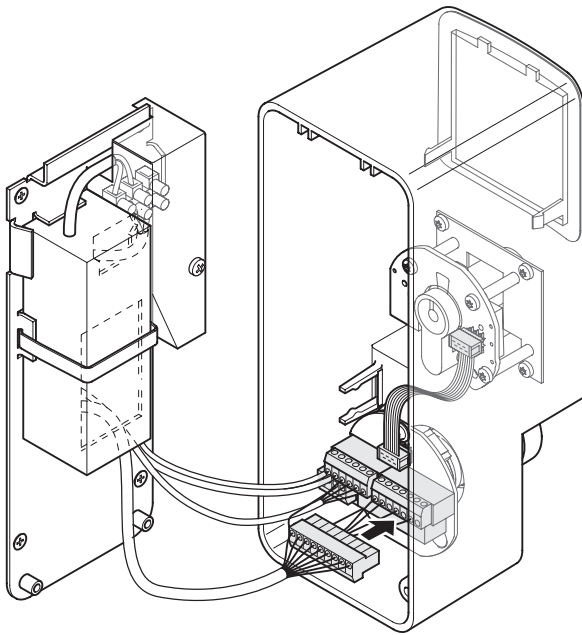
- ▶ Open the housing.



- ▶ Fit the wall-mounting bracket near the door (height of emergency button: 850 mm – 1200 mm from floor surface).



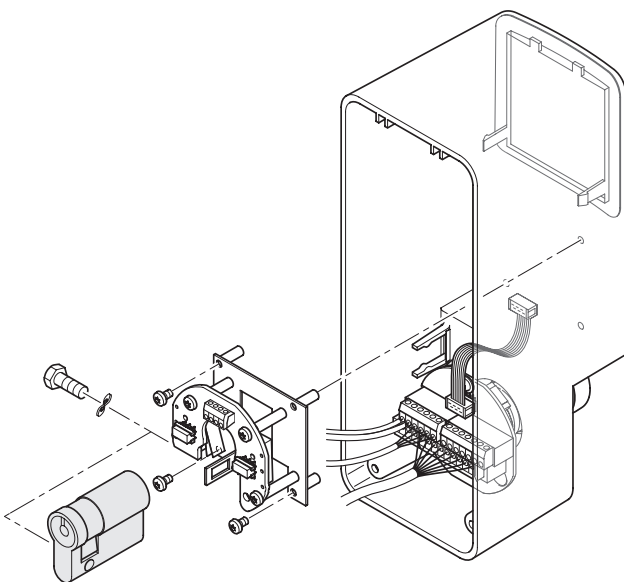
- ▶ Take off the mains connection cover.
- ▶ Connect the 230 V cable to the screw terminals of the PSU and refit the cover.
- ▶ Connect cable to terminal blocks according to terminal diagram.
- ▶ Fit the terminal blocks to the back of the door control unit.
- ▶ Secure loose cables with cable ties.



- ▶ Hook in housing and secure with screws.
- ▶ Fit the cover of the emergency button.
- ▶ Test the unit's function.

3.4 Replacing the lock cylinder

- i** The lock cylinder must fulfil the following requirements:
- Profile half-cylinder, 40 mm (30/10)
 - Eight-way adjustable



- ▶ When the plant is in operation, set it into service mode.
 - To do this, turn key to left for ten seconds.
 - Right LED lights up green.
- ▶ Take housing off the wall bracket.
- ▶ Unscrew key switch.
- ▶ Release cap screw and remove the lock cylinder.
- ▶ Replace the lock cylinder.
- ▶ Fit a new lock cylinder and secure with cap screw.
- ▶ Reassemble the door control unit in reverse order to disassembly.
- ▶ Test the unit's function.

4 Commissioning

4.1 Preconditions

Doors with electrical locks along escape routes must be taken into operation after the manufacturer has certified their suitability for the intended purpose. In addition, the correct installation and correct function of the electrical lock must be verified by a specialist.

4.2 Service mode

To configure the door control unit, Service mode must be selected.

4.2.1 Activate service mode

Preconditions: No alarm is active.
The burglary alert system is switched off.



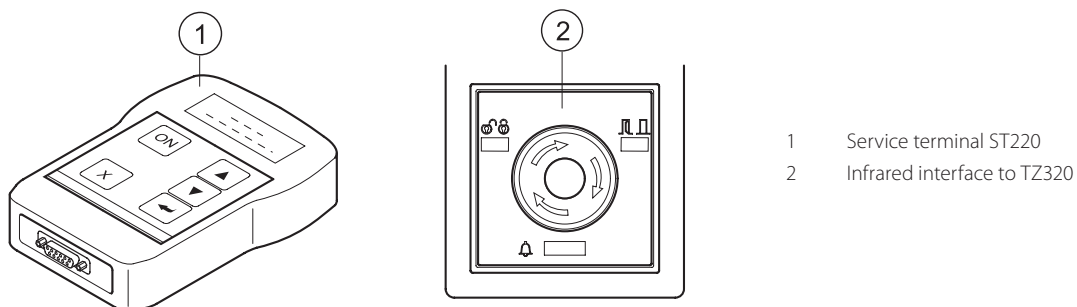
- ▶ Turn the key to the left and hold it for about ten seconds.
- The right LED lights up green, and the left and lower LEDs are off.

4.2.2 Disabling service mode

- ▶ Do not take any action for three minutes or, in the Service menu, select "End service mode".
- The door control unit is then in its normal state again.

4.2.3 Connecting service terminal ST220 with door control unit

The service terminal is connected with the door control unit through an infrared interface.



- 1 Service terminal ST220
- 2 Infrared interface to TZ320

- ▶ Hold the service terminal in front of the control unit and press the On key for about one second.
- The service terminal is switched on.
- ▶ Press the Esc key.
- The top menu of the service menu appears.

4.3 Settings

Settings can be changed only with service terminal ST220.

- Changing times, such as date, temporary unlocking time, pre-alarm time and alarm time.
- Setting bus functions, such as air-lock function, BMA, EMA or ZSU.
- Assigning functions to the inputs and outputs.
- Assigning a bus address to log on to the bus system.
- Activating the built-in timer.

4.4 Description of basic functions

4.4.1 Temporary unlocking (KZF)

Temporary unlocking releases the emergency door protection for a limited time. During this time, access through the door is possible without triggering an alarm. It is activated with the built-in key switch or an external actuator connected to the Temporary Unlocking input.

4.4.2 Cancellation of temporary unlocking

When temporary unlocking is active, the door locks prematurely when it is closed before the temporary unlocking time has expired. This prevents unauthorized access through the door after an authorized person has gone through.

4.4.3 Retriggering on temporary unlocking

If the temporary unlocking function is triggered again while the function is still active, the temporary unlocking period starts again.

4.4.4 Pre-alarm

If the door is passed through after the temporary unlocking time has expired, an audible signal is issued to warn the user that the temporary unlocking time has expired. If the door is closed while a pre-alarm is active, the door is locked again automatically and the pre-alarm is reset.

4.4.5 Door alarm

If the pre-alarm time is exceeded, the door alarm is triggered. This must then be reset with the built-in key switch or with a new temporary unlocking command. If the door is closed while the door alarm is active, it locks and can be unlocked again only after the alarm has been reset (except when the emergency button is pressed or emergency unlocking is triggered). The door alarm is also triggered when the door is opened forcefully.

4.4.6 Unlocked

The power supply to the locking element is permanently interrupted. The door can be passed through without triggering an alarm.

4.4.7 Locked

The locking element is energized through the door control unit. The emergency door protection is active and unauthorized people can open the door only by pressing the emergency button, which triggers an alarm.

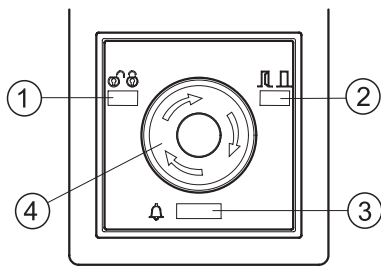
4.4.8 Emergency unlocking

The TZ320 can be unlocked in an emergency by the fire detection, burglar alarm or hazard alert system. This is a non-safety-relevant interruption of the power supply to the locking element.

4.4.9 Direct unlocking (according to EltVTR)

Safety-relevant interruption of the power supply to the electrical lock through an NC contact when the emergency button is pressed.

5 Operation



- 1 "Locked" LED
- 2 Door state LED
- 3 Alarm LED
- 4 emergency button

No.	Indicator	Colour	Meaning
1		Red	Locked
		Red flashing (every second)	Locked by EMA
		Green	Unlocked
		Green flashing (every second)	Temporary unlocking
		Green flashing (every two seconds)	Unlocked through timer
2		Red	Door closed
		Green	Door open
3		Yellow	Alarm
		Yellow flashing (every second)	Pre-alarm
		Yellow flashing	Fault

5.1 Controlling door control unit TZ320 with the key switch

Unlocking the door

When the system is unlocked, the locking elements are disabled and the door can be opened.



- ▶ Turn the key to the left and hold it for about one second.
- LED 1 lights up green. The door is unlocked.

Locking the door

When the system is unlocked, the locking elements are enabled and the door can not be opened.



- ▶ Turn the key to the right.
- LEDs 1 and 2 light up red. The door is locked.

Unlocking the door temporarily With the temporary unlocking function, the door can be unlocked with the key switch for a user-definable time. When this time has expired, the door is locked again.

- If the door is not closed after temporary unlocking, a pre-alarm is issued.
- If the door is closed after the temporary unlocking time has expired, the door is locked again.
- If the temporary unlocking function is triggered again while the function is still active, the temporary unlocking period starts again (is retriggered).



- ▶ Turn the key to the right.
- LED 1 flashes green.

5.2 Opening doors in emergencies and triggering the alarm

When the emergency button is pressed the door's locking elements are de-energized and the door can be opened (direct unlocking).

- ▶ Press the emergency button.
- LED 1 lights up green and LED 3 lights up yellow. The door is unlocked.
- The alarm is triggered.

5.3 Cancelling alarms

Alarms of the door control unit remain active until their cause has been eliminated and the alarm is acknowledged at the door control unit.

5.3.1 Resetting emergency button

When the emergency has passed, the emergency button must be reset.

- ▶ Remove emergency button cover.
- ▶ Turn the emergency button to the right.
- The emergency button returns to its normal state.
- ▶ Refit the cover.
- ▶ Acknowledge the alarm.

5.3.2 Acknowledge alarm



Precondition:
The alarm cause has been eliminated.

To acknowledge the alarm and lock the door



- ▶ Turn the key to the right.

To acknowledge the alarm and unlock the door



- ▶ Turn the key to the left.

The door alarm can also be acknowledged through the **temporary unlocking** input.



A tamper alarm can be acknowledged only 30 seconds after the alarm cause has been eliminated. For the duration of the tamper alarm the TZ320 remains locked. It can, however, be unlocked with the emergency button.

If the alarm can not be acknowledged with the key switch, a new alarm may be active. Using the service terminal, check which alarm/fault is active and rectify using the tables 5.4 and 5.5 below.

5.4 Reading out fault message

A flashing LED 3 indicates a fault in the system.

- ▶ Connect the service terminal with the door control unit.
- The fault message is displayed on the service terminal's display.
- ▶ Using the table below, determine the fault cause and rectify the fault.

Fault message	Cause of fault	Remedy
Locking	Locked signal despite absence of power	▶ Check locking element contact and replace if faulty.
24V_EXT missing	Defective fuse; no external power supply	▶ Check external power supply ▶ Replace fuse
KL communication	Faulty connection with terminal box	▶ Switch off terminal box through service menu. ▶ Re-establish connection to terminal box. ▶ Replace terminal box.
TT communication	Connection with door terminal faulty	▶ Switch off door terminal through service menu. ▶ Re-establish connection to door terminal. ▶ Replace door terminal
No bus signal	CAN signal transmission faulty	▶ Check CAN connection.
Bus address assigned twice	Bus system address assigned more than once	▶ Change CAN address
Invalid date/time	Invalid date or time value	▶ Correct data in service menu

5.5 Reading out alarm messages

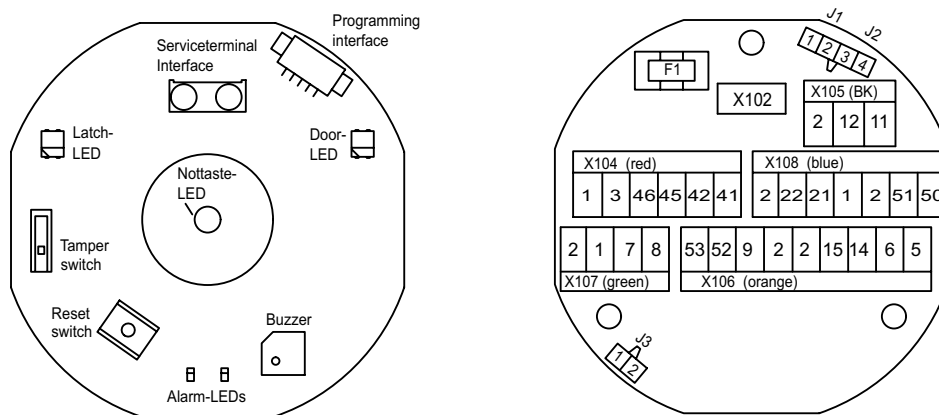
Misuse of the system and emergency situations are indicated by a built-in buzzer and yellow alarm LED 3.

- ▶ Connect the service terminal with the door control unit.
- The alarm message is displayed on the service terminal's display.
- ▶ Using the table below, determine the alarm cause and rectify the alarm.

Alarm signal	Cause of alarm	Elimination of alarm cause
Door alarm		
Door not closed	No Closed signal	▶ Close door. ▶ Check door contact.
Door not locked	No Locked signal	▶ Check locking element.
Tamper alarm		
Tamper contact TZ	Tamper switch of door control unit not closed.	▶ Close contact. ▶ After duration of tamper alarm, acknowledge alarm.
Tamper contactSBC	Tamper switch of key switch not closed.	
Tamper contact KL	Tamper switch of terminal box not closed.	▶ Check tamper message.
Tamper contact TT	Tamper switch of door terminal not closed.	
Tamper contact EXT	External tamper contact active.	
Tamper time running	Tamper alarm duration not expired.	▶ After duration of tamper alarm, acknowledge alarm.

Alarm signal	Cause of alarm	Elimination of alarm cause
Emergency unlocking		
through bus	Emergency unlocking through panel, VAT etc.	<ul style="list-style-type: none"> ▶ Pull emergency button on panel. ▶ Switch off emergency button on VAT.
through BMA (bus)	Emergency unlocking through BMA bus function	<ul style="list-style-type: none"> ▶ Check BMA and switch off emergency unlocking signal. ▶ Check input of affected door control unit.
through BMA (local)	Emergency unlocking through locally connected BMA.	<ul style="list-style-type: none"> ▶ Check BMA and switch off emergency unlocking signal. ▶ Check input of affected door control unit.
Indir. release		
NT TT pressed	Indirect unlocking through door terminal	▶ Reset emergency button on terminal.
Dir. release		
NT TT pressed	Direct unlocking through built-in emergency button.	▶ Reset door control unit emergency button.
SK failed		
NT opener failed	<ul style="list-style-type: none"> ▫ NC contact of built-in emergency button failed. ▫ Locking element not connected. 	<ul style="list-style-type: none"> ▶ Rectify fault. ▶ Check emergency button. ▶ Press Reset button. ▶ Replace door control unit.
RM no int. NT	No feedback signal from built-in emergency button.	<ul style="list-style-type: none"> ▶ Press built-in emergency button. ▶ Replace door control unit.
Relay1 sticking	Relay 1 in safety circuit is sticking	▶ Replace door control unit.
Relay2 sticking	<ul style="list-style-type: none"> ▫ Jumper on FTÖ331U was not removed. ▫ FTÖ332 is connected without RP220. ▫ Short-circuit in the supply line of the locking element. ▫ Locking element connected with reversed polarity. Relays "clattering" and LEDs are going on and off. 	<ul style="list-style-type: none"> ▶ Remove jumper on FTÖ331. ▶ Check locking element supply line for short-circuit. ▶ Connect FTÖ332 with RP220.
Acknowledge alarm	Cause of alarm removed	▶ Acknowledge alarm with key switch

6 Terminal diagram



6.1 Door control unit TZ320 (terminals, fuses)





Fuse

Name	Value	Meaning
F1	1.5 A, SMF 125 V, quick-acting	24 V external

Terminal assignment

Max. cable cross-section for screw and plug-in terminals: 1 mm²

Terminal field	Terminal	Function (factory setting)	
X102	-	Ribbon cable plug for GEZE key switch without illumination	
X104 Red terminal field	1	Supply GND	
	3	24 V DC supply	
	46	CAN-H, GEZE bus communication	
	45	CAN-L, GEZE bus communication	
	42	RS485-A, communication with KL220, TAN220	
X105 Black terminal field	41	RS485-B, communication with KL220, TAN220	
	2	24 V DC	
	12	Key switch – lock, temporary unlock, acknowledge alarm	
	11	Key switch – unlock, acknowledge alarm	
	X106 Orange terminal field	5	Locking element, +, 24 V DC
		6	Locking element, -, GND
14		Feedback: Door locked	
15		Feedback: Door closed	
2		24 V DC	
2		24 V DC	
9		Adjustable input 1 (temporary unlocking)	
X107 Green terminal field	52	Adjustable input 2 (temporary unlocking)	
	53	Adjustable input 3 (fire detection system)	
	2	24 V DC	
X108 Blue terminal field	1	GND	
	7	Ind. release	for connecting an external emergency button
	8	Ind. release	for connecting an external emergency button
	2	24 V DC	
X108 Blue terminal field	22	COM, adjustable output 1	(alarm, NO contact) max. 1 A, 30 V DC
	21	NO/NC, adjustable output 1	(alarm, NO contact) max. 1 A, 30 V DC
	1	GND	
	2	24 V DC	
	51	COM, adjustable output 2	(door opener operating current, NO contact) Max. 1 A, 30 V DC
	50	NO/NC, adjustable output 2	(door opener operating current, NO contact) Max. 1 A, 30 V DC

Jumper	Position	Meaning
J1, J2		No indirect release, built-in power supply for safety circuit (Factory setting: Jumper on terminal X107 between 7 and 8 set)
		Indirect unlocking, external power supply for safety circuit connected to terminals 7 and 8 of terminal strip X107
J3		CAN terminating resistor set (factory setting)
		CAN terminating resistor not set

6.2 Notes about the terminal diagram



If no locking element is to be connected (door monitoring), the following possibilities exist:

- Use a door control unit without emergency switch (TZ322)
- Connect door control unit with emergency switch to terminal field X106 as follows:
 - Connect a 10K resistor between terminals 5 and 6
 - Connect a jumper between terminals 5 and 14 or an external Locked signal
 - Connect a door contact or fit a bridge between terminals 2 and 15



Connecting locking elements:

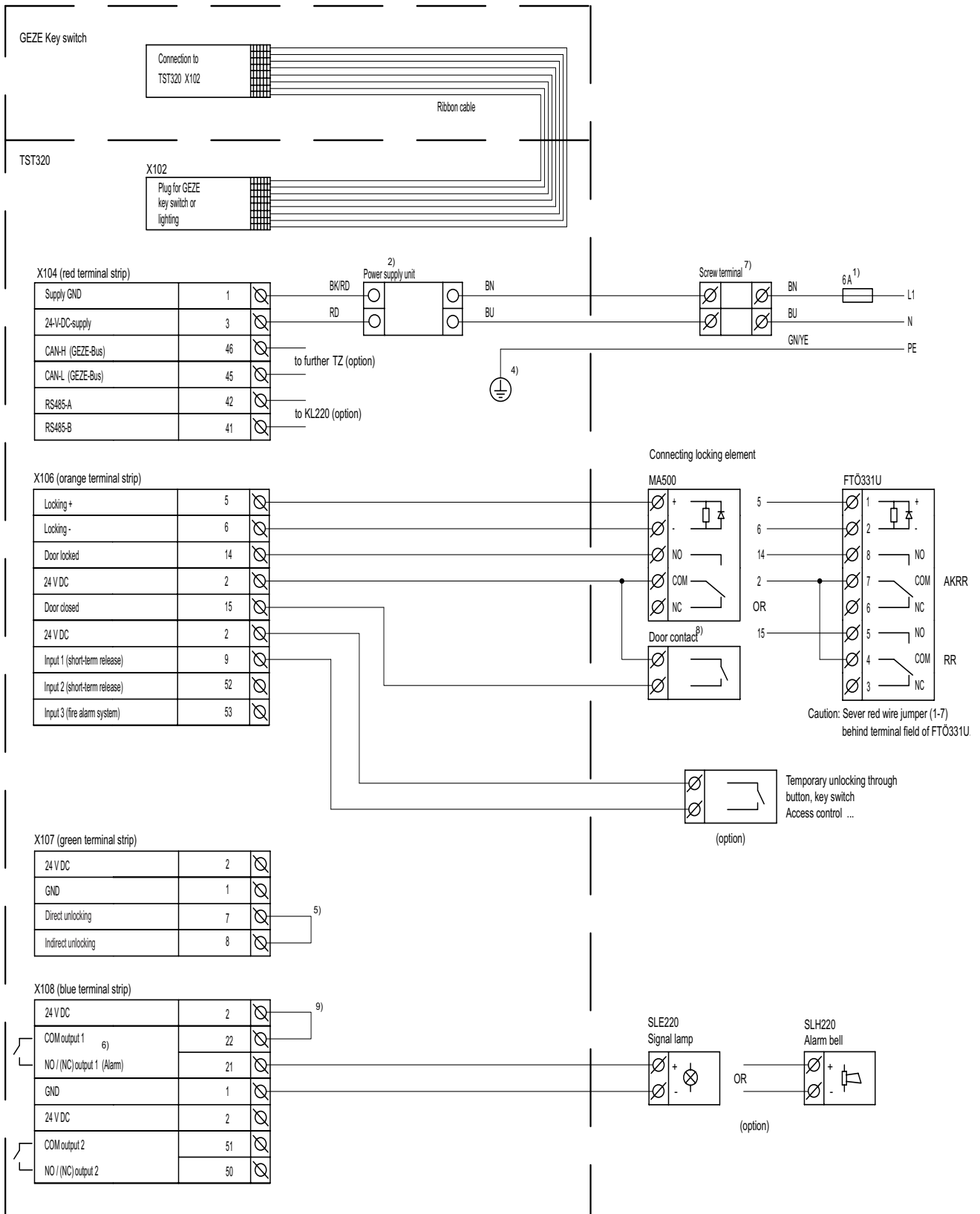
Make sure that they are connected correctly. If they are connected with reversed polarity, the controller can become damaged. If the controller's relay "chatters" and the LEDs are flashing on and off, isolate the door control unit from the mains immediately and check the connections.

The notes apply for the following terminal diagram of the various versions of the TZ320.

- 1) A mains fuse is provided by the owner.
- 2) GEZE PSU for TZ320N UP = NET220. 500 mA max. 350 mA for peripherals
GEZE PSU for TZ320N AP = NT19.2-24. 750 mA max. 650 mA for peripherals
Spatially separate primary and secondary side.
- 3) With the TZ320 the PSU is fitted outside the door control unit.
- 4) TZ320N UP: Protection class II (do not connect PE conductor)
TZ320N AP: Protection class I with PE conductor testing according to VDE0100.
- 5) Jumper set by default.
For indirect unlocking, remove jumper and change jumper position J1 and J2.
- 6) Factory setting:
Contact closes on alarm.
Contact is open on mains failure.
Observe total power consumption.
- 7) On the surface-mounted version the screw terminal is fitted to the mounting plate.
- 8) Contact is closed when door is closed.
- 9) When a GEZE alarm bell or siren is fitted, a jumper must be set.

6.3 Door control unit TZ320S, TZ320SN

On versions BS and BSN key switch SCT320 and illuminated emergency exit sign FWS-B are, in addition, connected with a ribbon cable.

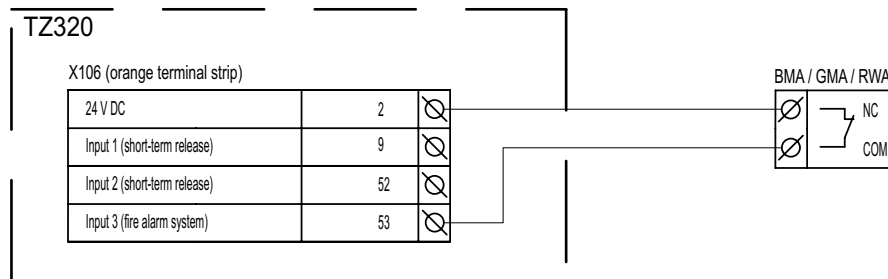


For notes about the terminal diagram, see section 6.2.

6.4 Unlocking through BMA, GMA or RWA



A local emergency button is required

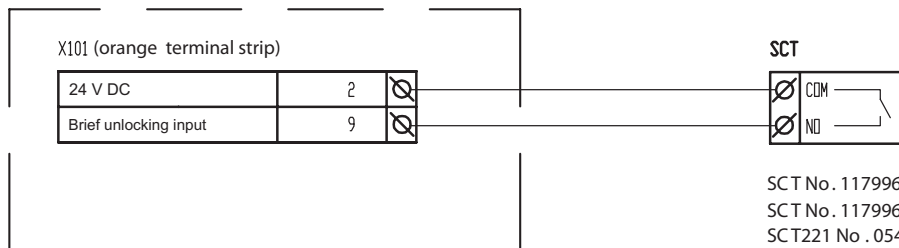


Set input 3 of the TZ320 to:

- Fire detection system (factory setting)
- Low active (NC contact)

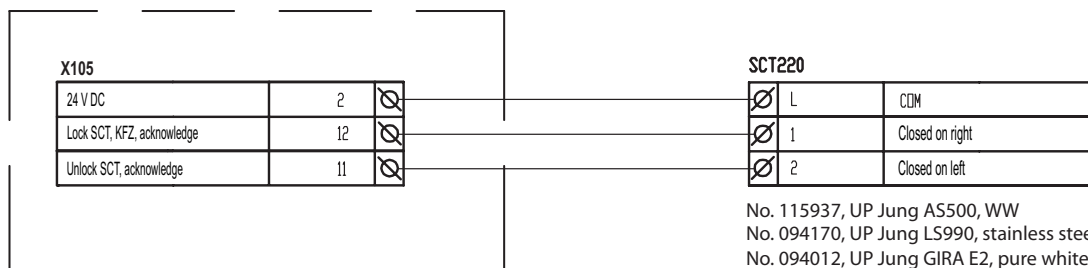
Before connecting, set input to “deactivated”, as an alarm is otherwise triggered. If the BMA, GMA or RWA system contains an NO contact for unlocking, set the input to “High Active”.

6.5 Key switch SCT221/SCT to temporary unlocking



- SCT No. 117996 + 024467 UP AS500
- SCT No. 117996 + 024467 + 120503 AP AS500
- SC T221 No. 054240 + 024467 without PHZ UP
- SC T221 No. 054532 + 024467 without PHZ AP
- SC T221 No. 054245 + 024467 with PHZ UP
- SC T221 No. 054533 + 024467 with PHZ AP

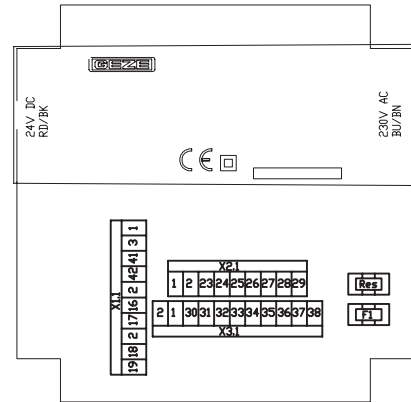
6.6 Key switch SCT320 for external control unlocking, locking, temporary unlocking and acknowledging alarms



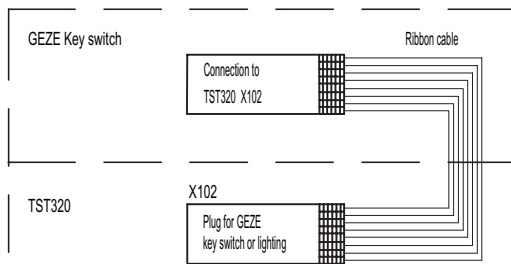
- No. 115937, UP Jung AS500, WW
- No. 094170, UP Jung LS990, stainless steel
- No. 094012, UP Jung GIRA E2, pure white

6.7 Terminal box KL220

Terminal box KL220 can be used to extend the system by four inputs and six outputs.

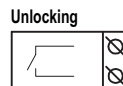
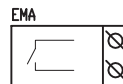


TZ320S



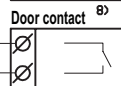
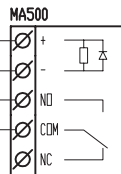
X104 (red terminal strip)

Supply GND	1	⊗
24-V-DC-supply	3	⊗
CAN-H (GEZE BUS)	46	⊗
CAN-L (GEZE BUS)	45	⊗
RS485-A	42	⊗
RS485-B	41	⊗



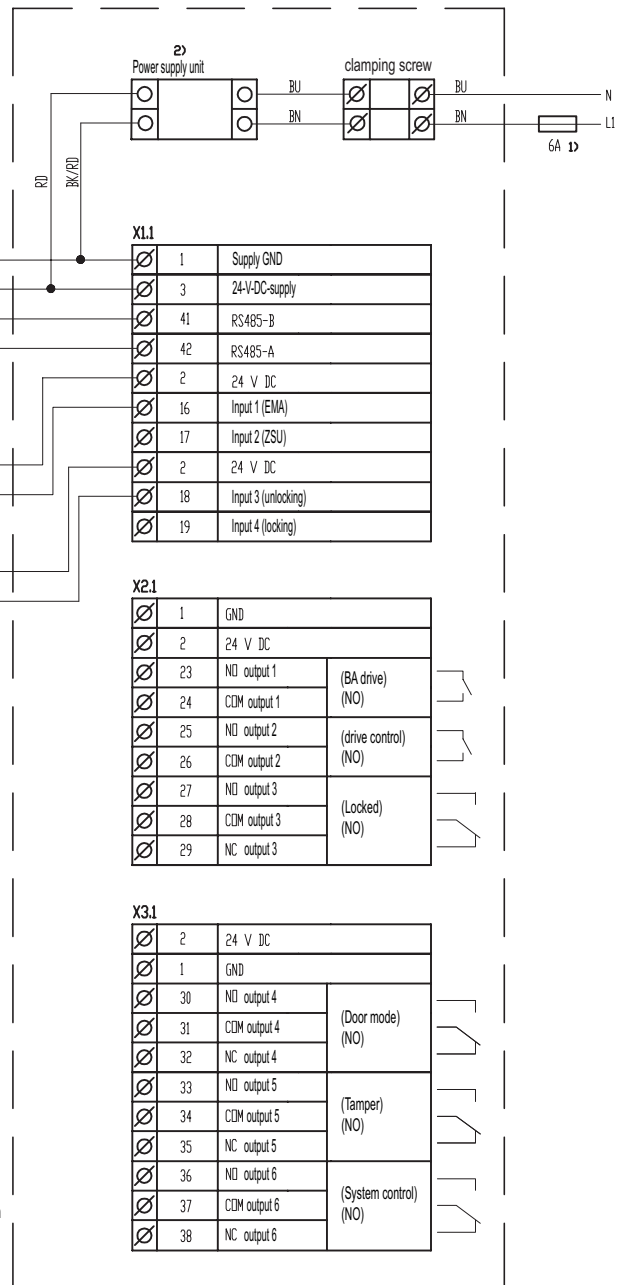
X106 (orange terminal strip)

Locking +	5	⊗
Locking -	6	⊗
Door locked	14	⊗
24 V DC	2	⊗
Door closed	15	⊗
24 V DC	2	⊗
Input 1 (short-term release)	9	⊗
Input 2 (short-term release)	52	⊗
Input 3 (fire alarm system)	53	⊗



Temporary unlocking through button, key switch Access control ...

KL220, Clamping box



7 Appendix

7.1 Commissioning check list

	Yes	No	Not fitted
Power supply OK			
Upper edge of all emergency buttons between 850 and 1200 mm from floor surface			
All emergency button labels applied			
Cables laid according to DIN VDE 0833, tamper-protected			
All screws of magnet mounting tightened			
Rubber buffers on screws of magnetic disc OK			
Magnet surfaces cleaned			
Door passage lights at least 2000 mm			
Emergency door opener fitted correctly and tamper-protected			
All cables connected, exposed cables insulated			
GMA connection, release works			
Jumper for indirect release connected correctly (J1, J2)			
Emergency button illumination working			
"Emergency button" function OK			
"Central emergency button" function OK			
Tamper switches working correctly			
Unlocking through key switch is working correctly			
Locking through key switch is working correctly			
Forced locking through EMA working			
Feedback from magnet and/or door opener working correctly			
Additional door contacts working correctly			
Door Leaf Open/Closed LED working correctly			
Door Locked/Unlocked LED working correctly			
Alarm/Fault LED working correctly			
Bus working, jumper set correctly (J3)			
"Control unit" relay working (depending on programming)			
"Terminal box" relay working (depending on programming)			
Air lock function OK			
Magnets working; door openers are locking			
"Pre-alarm" duration OK			
"Temporary unlocking" duration OK			
"Alarm" duration OK			
Buzzer working (depending on programming)			
All access possibilities OK (access control, etc.)			
Emergency exit doors OK			
External key switch OK			
External alarm generator/alarm generator combination working correctly			
Uninterruptible power supply working correctly			
Panel unit working; display OK			
Signals to central building control system			
Correct cable routing for indirect unlocking			

Germany
GEZE Sonderkonstruktionen GmbH
Planken 1
97944 Boxberg-Schweigern
Tel. +49 (0) 7930-9294-0
Fax +49 (0) 7930-9294-10
E-Mail: sk.de@geze.com

Germany
GEZE GmbH
Niederlassung Nord/Ost
Bühningstraße 8
13086 Berlin (Weissensee)
Tel. +49 (0) 30-47 89 90-0
Fax +49 (0) 30-47 89 90-17
E-Mail: berlin.de@geze.com

Germany
GEZE GmbH
Niederlassung West
Nordsternstraße 65
45329 Essen
Tel. +49 (0) 201-83082-0
Fax +49 (0) 201-83082-20
E-Mail: essen.de@geze.com

Germany
GEZE GmbH
Niederlassung Mitte
Adenauerallee 2
61440 Oberursel (b. Frankfurt)
Tel. +49 (0) 6171-63610-0
Fax +49 (0) 6171-63610-1
E-Mail: frankfurt.de@geze.com

Germany
GEZE GmbH
Niederlassung Süd
Reinhold-Vöster-Straße 21-29
71229 Leonberg
Tel. +49 (0) 7152-203-594
Fax +49 (0) 7152-203-438
E-Mail: leonberg.de@geze.com

Germany
GEZE Service GmbH
Reinhold-Vöster-Straße 25
71229 Leonberg
Tel. +49 (0) 7152-9233-0
Fax +49 (0) 7152-9233-60
E-Mail: service-info.de@geze.com

Germany
GEZE Service GmbH
Niederlassung Berlin
Bühningstraße 8
13086 Berlin (Weissensee)
Tel. +49 (0) 30-470217-30
Fax +49 (0) 30-470217-33
E-Mail: service-info.de@geze.com

Austria
GEZE Austria GmbH
Mayrweisstraße 12
5300 Hallwang b. Salzburg
Tel. +43-(0)662-663142
Fax +43-(0)662-663142-15
E-Mail: austria.at@geze.com

Baltic States
GEZE GmbH Baltic States office
Dzelzavas iela 120 S
1021 Riga
Tel. +371 (0) 67 89 60 35
Fax +371 (0) 67 89 60 36
E-Mail: office-latvia@geze.com

GEZE GmbH
P.O.Box 1363
Reinhold-Vöster-Straße 21-29
71229 Leonberg
Germany

Benelux
GEZE Benelux B.V.
Leemkuil 1
Industrieterrein Kapelbeemd
5626 EA Eindhoven
Tel. +31-(0)40-26290-80
Fax +31-(0)40-26 290-85
E-Mail: benelux.nl@geze.com

Bulgaria
GEZE Bulgaria - Trade
Representative Office
61 Pirinski Prohod, entrance „B“,
4th floor, office 5,
1680 Sofia
Tel. +359 (0) 24 70 43 73
Fax +359 (0) 24 70 62 62
E-Mail: office-bulgaria@geze.com

China
GEZE Industries (Tianjin) Co., Ltd.
Shuangchenzhong Road
Beichen Economic Development
Area (BEDA)
Tianjin 300400, P.R. China
Tel. +86(0)22-26973995-0
Fax +86(0)22-26972702
E-Mail: Sales-info@geze.com.cn

China
GEZE Industries (Tianjin) Co., Ltd.
Branch Office Shanghai
Unit 25N, Cross Region Plaza
No. 899, Ling Ling Road,
XuHui District
200030 Shanghai, P.R. China
Tel. +86 (0)21-523 40 960
Fax +86 (0)21-644 72 007
E-Mail: chinasales@geze.com.cn

China
GEZE Industries (Tianjin) Co., Ltd.
Branch Office Guangzhou
Room 17C3
Everbright Bank Building, No.689
Tian He Bei Road
510630 Guangzhou, P.R. China
Tel. +86(0)20-38731842
Fax +86(0)20-38731834
E-Mail: chinasales@geze.com.cn

China
GEZE Industries (Tianjin) Co., Ltd.
Branch Office Beijing
Rm3A02, Building 3,
ZhuBang 2000 Business Plaza,
No. 98, Balizhuang xili,
Chaoyang District,
100025 Beijing, P.R.China
Tel. +86-(0)10-8797 5177/-78
Fax +86-(0)10-8797 5171
E-Mail: chinasales@geze.com.cn

France
GEZE France S.A.R.L.
ZAC de l'Orme Rond
RN 19
77170 Servon
Tel. +33-(0)1-606260-70
Fax +33-(0)1-606260-71
E-Mail: france.fr@geze.com

Hungary
GEZE Hungary Kft.
Bartók Béla út 105-113.
Budapest
H-1115
Tel. +36 (1) 481 4670
Fax +36 (1) 481 4671
E-Mail: office-hungary@geze.com

Tel.: 0049 7152 203-0
Fax.: 0049 7152 203-310
www.geze.com

Iberia
GEZE Iberia S.R.L.
Pol. Ind. El Pla
C/Comerc, 2-22, Nave 12
08980 Sant Feliu de Llobregat
(Barcelona)
Tel. +34(0)9-02194036
Fax +34(0)9-02194035
E-Mail: info@geze.es

India
GEZE India Private Ltd.
MF2 & 3, Guindy Industrial Estate
Ekkattuthangal
Chennai - 600 097
Tamilnadu
Tel. +91 (0) 44 30 61 69 00
Fax +91 (0) 44 30 61 69 01
E-Mail: office-india@geze.com

Italy
GEZE Italia Srl
Via Giotto, 4
20040 Cambiagio (MI)
Tel. +3902950695-11
Fax +3902950695-33
E-Mail: italia.it@geze.com

Italy
GEZE Engineering Roma Srl
Via Lucrezia Romana, 91
00178 Roma
Tel. +3906-7265311
Fax +3906-72653136
E-Mail: roma@geze.biz

Kazakhstan
GEZE Central Asia
050061, Almaty, Kazakhstan
Rayimbek ave. 348, A, office 310
Tel. +7 (0) 72 72 44 78 03
Fax +7 (0) 72 72 44 78 03
E-Mail: office-kazakhstan@geze.com

Poland
GEZE Polska Sp.z o.o.
ul. Annapol 21
03-236 Warszawa
Tel. +48 (0)22 440 4 440
Fax +48 (0)22 440 4 400
E-Mail: geze.pl@geze.com

Romania
GEZE Romania S.R.L.
IRIDE Business Park
Building nr. 10, level 2
Str. Dimitrie Pompei nr. 9-9a
RO-020335 Bucharest, sector 2
Tel. +40 (0) 316 201 257
Fax +40 (0) 316 201 258
E-Mail: office-romania@geze.com

Russian Federation
GEZE GmbH Representative
Office Russia
Kolodessnij pereulok3, str. 25
Office Nr. 5201-5203
107076 Moskau
Tel. +7 (0) 49 55 89 90 52
Fax +7 (0) 49 55 89 90 51
E-Mail: office-russia@geze.com

Scandinavia
GEZE Scandinavia AB
Mallslingan 10
Box 7060
18711 Täby, Sweden
Tel. +46(0)8-7323-400
Fax +46(0)8-7323-499
E-Mail: sverige.se@geze.com

Scandinavia
GEZE Norway
Industriveien 34 B
2072 Dal
Tel. +47(0)639-57200
Fax +47(0)639-57173
E-Mail: norge.se@geze.com

Scandinavia
GEZE Finland
Postbox 20
15871 Hollola
Tel. +358(0)10-4005100
Fax +358(0)10-4005120
E-Mail: finland.se@geze.com

Scandinavia
GEZE Denmark
Høje Taastrup Boulevard 53
2630 Taastrup
Tel. +45(0)46-323324
Fax +45(0)46-323326
E-Mail: danmark.se@geze.com

South Africa
DCLSA Distributors (Pty) Ltd.
118 Richards Drive, Midrand,
Halfway House Ext. 111
P.O. Box 7934
Midrand 1685
Tel. +27(0)113158286
Fax +27(0)113158261
E-Mail: info@dclsa.co.za

Switzerland
GEZE Schweiz AG
Bodenackerstrasse 79
4657 Dulliken
Tel. +41-(0)62-2855400
Fax +41-(0)62-2855401
E-Mail: schweiz.ch@geze.com

Turkey
GEZE GmbH Türkiye - İstanbul
İrtibat Bürosu
Ataşehir Bulvarı, Ata 2/3
Plaza Kat: 9 D: 84 Ataşehir
Kadıköy / İstanbul
Tel. +90 (0) 21 64 55 43 15
Fax +90 (0) 21 64 55 82 15
E-Mail: office-turkey@geze.com

Ukraine
Repräsentanz GEZE GmbH Ukraine
ul. Vikentiyi Hvoyki, 21,
office 151
04080 Kiev
Tel. +38 (0) 44 49 97 725
Fax +38 (0) 44 49 97 725
E-Mail: office-ukraine@geze.com

United Arab Emirates/GCC
GEZE Middle East
P.O. Box 17903
Jebel Ali Free Zone
Dubai
Tel. +971(0)4-8833112
Fax +971(0)4-8833240
E-Mail: geze@emirates.net.ae

United Kingdom
GEZE UK Ltd.
Blenheim Way
Fradley Park
Lichfield
Staffordshire WS13 8SY
Tel. +44(0)1543443000
Fax +44(0)1543443001
E-Mail: info.uk@geze.com



GEZE

139927-00