GEZE SecuLogic EMERGENCY EXIT SYSTEMS
SAFETY ON ESCAPE AND RESCUE ROUTES

TABLE OF CONTENTS

GEZE SecuLogic RWS

GEZE emergency exit systems (RWS)

Safety on escape and rescue routes

Rescue routes are an essential component of building security as well as of personal safety and fire prevention. There are strict laws governing safety technology in buildings for good reason. The GEZE SecuLogic emergency exit system unites modern bus technology with a compact construction. The communication of the individual components is carried out via CAN bus technology so that multiple system components can be linked and fast transfer of data volumes with a minimum amount of cabling is ensured. If the network fails, an uninterruptible power supply (UPS) ensures operation. The combination with automatic swing doors drives or an intake air system for smoke and heat extraction allows even less active/able persons to take flight easily in the event of a fire.

Door control units
Every building should have a customised security concept. Fire and danger alarm systems, access control and door closer systems, escape door locks or motor locks are only some of the variations that a concept of this nature may contain for building control technology. It must be possible to integrate all components into the emergency exit system at any time, easily and quickly. The system must thus be capable of growing to meet any new demands and always ensure planning security.

System solutions
GEZE offers solutions for securing emergency exits that are tailored towards specific requirements and individual emergency exit concepts, for example in nursery schools, hospitals or care institutions.

Door Control Units System Overview

Application	TZ 300	TZ 320 Standard	TZ 320 Comfort with KL 220	TZ 320 Comfort with IO 420
Local operation / display				
Short-term release (20 s)	●			
Short-term release (1 s - infinite)		●	●	●
Termination of short-term release with door closed	●	●	●	●
Re-triggering the short-term release	●	●	●	●
Pre-alarm (60 s)	●			
Pre-alarm (1 s - 10 min)		●	●	●
Alarm	●	●	●	●
Permanent unlocking	●	●	●	●
Connection possibilities				
FTV 320 escape door lock	3 x	3 x	3 x	3 x
Emergency exit electric strike type 331	3 x	3 x	3 x	3 x
MA 500 holding magnet	2 x	2 x	2 x	2 x
Emergency unlocking for hazard alarm system	●	●	●	●
Indirect activation		●	●	●
Central emergency button via safety circuit		●	●	●
External key switch	●	●	●	●
SCT 222 external key switch with 2 LEDs	●***	●***	●	●
External emergency push button		●	●	●
T 320 terminal (bi-directional escape route)		●	●	●
Access control (short-term release)	●	●	●	●
Latch (short-term release)	●	●	●	●
Timer (unlocking) external	●	●	●	●
Timer (unlocking) internal		●	●	●
Burglar alarm system (locking has priority)		●	●	●
Programmable inputs	0	3	7	7
Programmable outputs	0	2	8	6
Flashlight / siren / alarm message	●	●*	●	●
Motor lock		●*	●	●
Lever lock	●***	●*	●	●
Swing door drive		●**	●	●
Traffic light controller		●**	●	●
Additional electric strike	●***	●*	●	●
Output of different system states		●*	●	●
TE 220 control panel		●	●	●
GEZE Cockpit via IO 420				●
GEZE Cockpit via CAN / Ethernet Gateway****		●	●	
Other				
Infrared interface for diagnosis, setting of parameters via ST 220 service terminal		●	●	●
Alarm memory		●	●	●
Integrated interlocking door system control		●	●	●
Network function for fire alarm system, timer, burglary alarm system		●	●	●

* Function can be realised via two outputs for which parameters can be freely set. There are two outputs available on the TZ 320. If more outputs are nreeded, the TZ 320 Comfort with terminal box or IO 420 must be used.
** Two outputs are nreeded for this function.
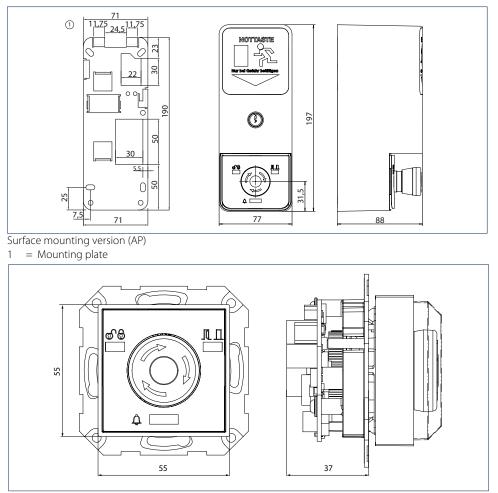*** RP 220 relay board ID no. 102355 nreeded
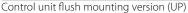**** Upon request

GEZE TZ 300 door control unit

For monitoring individual doors without network

The GEZE TZ 300 door control unit is part of the GEZE SecuLogic emergency exit system and is used to control and monitor electrically locked escape route doors. Doors along escape routes are reliably protected against unauthorised passage by the door control unit. At the same time, the integrated emergency button guarantees passage at all times in emergency situations. A fire alarm, smoke and heat extraction or danger alarm system can be connected via an integrated interface, which unlocks the door in an emergency so that people can escape from the building. External signal transmitters such as signal horns or lights can also be connected and the alarm can be forwarded to a higher-ranking building management system. Integrated buzzers and LEDs give visual and acoustic alarm signals. TZ 300 is the entry-level model without network for straightforward applications or smaller buildings. Its sophisticated yet robust design, minimum dimensions and individual colour fit harmoniously into any building design. The flat impact cover can be operated quickly and reliably by anyone, even in panic situations. It enables reliable release of the illuminated emergency button.

Surface mounting version (AP), flush mounting version (UP), with control unit

Surface mounting version (AP)
1   = Mounting plate

Control unit flush mounting version (UP)

Area of application	• Doors along escape and rescue routes • Emergency exits

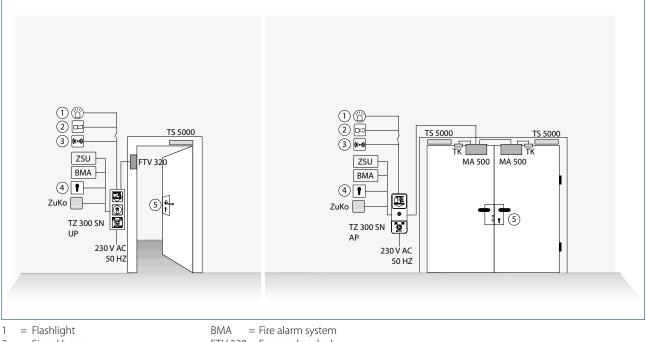**Simple installation and flexible planning**

TZ 300 is easy to install, since the connection between the control unit and the key switch is pre-assembled with a ribbon cable and the emergency button is already integrated in the control unit. Coloured installation terminals provide a better overview during connection of the system components and minimise sources of error. The colour coding also means time saved when connecting the system components. If demands on a building change (building extensions), thus making additional functions and networked solutions necessary, TZ 300 can be replaced at any time by TZ 320. Since the door control units have the same structure, i.e. the wiring to the locking element (e.g. escape door lock, holding magnet, emergency exit electric strike) fits both, straightforward replacement of the control units is guaranteed.

Technical data

Product features	TZ 300 SN AP	TZ 300 SN UP
Width	77 mm	81 mm
Height	197 mm	223 mm
Depth	88 mm	
Operating voltage	24 V	
Supply voltage	230 V	
Current consumption	100 mA	
Power supply for external devices	650 mA	600 mA
Contact rating	30 V / 1 A	
Sabotage contact	●	●
Number of inputs	1 pc.	
Number of outputs	1 pc.	
Emergency push button	●	●
Visual display	Yes	
Acoustic signal	75 dB	
Temperature range	-10 - 55 °C	10 - 50 °C
IP rating	IP20	
Type of installation	surface mounting	flush mounting
With ribbon cable	●	●
EltVTR	●	●

● = YES

COMPONENTS

TZ 300 SN door control unit - system structure

1	= Flashlight	BMA	= Fire alarm system
2	= Signal horn	FTV 320	= Escape door lock
3	= Alarm message	MA 500	= Holding magnet
4	= Key switch	TK	= Door contact
5	= Panic lock	TS 5000	= Door closer
		ZSU	= Timer
		ZuKo	= Access control

Functional description

In the direction of escape, the door is held closed by an additional electrical locking element, which is controlled by the door control unit as the central system unit. Authorised passing of the secured door can happen by means of external activation devices such as key switches, access control or an intercom. In the direction of escape, authorised passage is also possible by means of the integrated key switch of the door control unit. If the door is to be passed through from the outside, the panic lock must be mechanically unlocked as well.

Time monitoring of the door

If the door is not closed after the release time has expired, a pre-alarm is triggered to draw attention to the time limit being exceeded. If the pre-alarm time is also exceeded, a door alarm is triggered and has to be acknowledged by the key switch.

Passing of the door in case of emergency

The door can be released at any time via the integrated emergency button. Visual and acoustic signal transmitters in the door control unit signal unauthorised passing of the door.

Other functions

- Permanent unlocking
- Locking
- Acknowledging an alarm
- Emergency unlocking via the fire alarm system

Design variant

The variant with GEZE IQ lock C, a self-locking contact lock in place of the panic lock, offers increased convenience of passage from the outside by only one operating process. Mechanical unlocking of the lock and release of the emergency exit protection are carried out simultaneously. The lock is unlocked by the Euro profile cylinder via the integrated cylinder contact of the IQ lock C, and a short-term release is executed at the TZ 300 at the same time.

System components

- TZ 300 SN, surface / flush mounting
- FTV 320 escape door lock
- Emergency exit electric strike with latch lock or holding magnet with installation set and door contact

Options
- BLE 220 flashlight, SLH 220 signal horn
- SCT 220, SCT 221, SCT 222, SCT 320 external key switches

Note
An RP 220 relay board ID no. 102355 is needed for connecting additional electric strikes or lever locks.

Order information

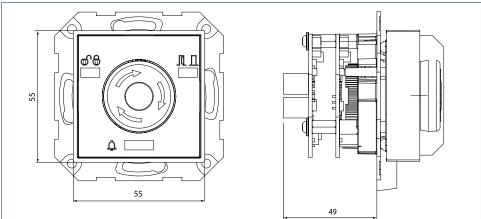| Description	Switch range	Version	ID no.
TZ 300 SN AP door control unit Comprising: control with emergency button, key switch with Euro profile half cylinder, emergency exit sign, non-illuminated, 24 V DC power supply		green	136573
TZ 300 SN UP door control unit Comprising: control with emergency button, key switch with Euro profile half cylinder, emergency exit sign, non-illuminated, 24 V DC power supply	Gira E2	pure white matt	138324
TZ 300, flush mounting control unit			136572

GEZE TZ 320 door control unit

For monitoring of emergency exits

The GEZE TZ 320 door control unit is part of the GEZE SecuLogic emergency exit system and is used to control and monitor electrically locked escape route doors. Doors along escape routes are reliably protected against unauthorised passage by the door control unit. At the same time, the integrated emergency button guarantees passage at all times in emergency situations. TZ 320 offers numerous interfaces to other products (e.g. swing door drives, motor locks, signal transmitters) and systems. Messages to higher-ranking building management systems and central visualisation via PC or control panel are also possible without additional components. Intelligent functions between the door control units can be realised via the GEZE bus system, e.g. security interlocking door systems or connection to and relaying of fire alarm or burglar alarm systems. The TZ 320 door control unit is the model with integrated bus function for complex applications. Three freely programmable inputs and two freely programmable outputs allow almost all demands to be realised without additional components. The flat impact cover can be quickly and reliably operated by anyone, even in panic situations. It enables reliable release of the illuminated emergency button.

Surface mounting version (AP)
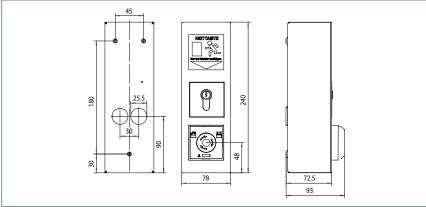1 = Mounting plate
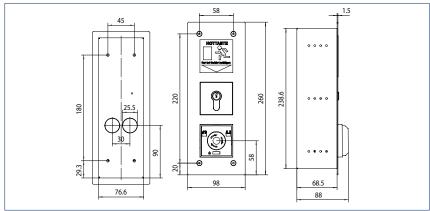

Control unit flash-mounted version (UP)
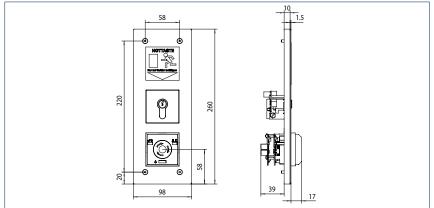
Area of application
- Doors along escape and rescue routes
- Emergency exits

GEZE TZ 320 SN, V2A, AP, set (ID 155036)

GEZE TZ 320 SN, V2A, UP, set (ID 155037)

GEZE TZ 320 SN, V2A, flush mounting boxes, set (ID 155503)

COMPONENTS

Technical data

Product features	TZ 320 SN, V2A AP / TZ 320 SN, V2A UP / TZ 320 SN, V2A flush mounting boxes	TZ 320 SN UP, S UP	TZ 320 BSN UP	TZ 320 SN AP, S AP / TZ 322 SN AP, S AP / TZ 321 SN AP	TZ 320 BSN AP, BS AP
Housing (W x H x D)	AP: 78 x 240 x 69 mm / UP: 77 x 239 x 69 mm	81 x 223 mm		77 x 197 mm	
Front plate (W x H x D)	AP: 78 x 240 x 1.5 mm / UP: 98 x 260 x 1.5 mm				
Operating voltage	24 V				
Supply voltage	230 V				
Current consumption	100 mA	100 mA	130 mA	100 mA	130 mA
Power supply for external devices	600 mA	600 mA		650 mA	
Contact rating	30 V / 1 A				
Sabotage contact	●	●	●	●	●
Number of inputs	3 pc.				
Number of outputs	2 pc.				
Visual display	Yes				
Acoustic signal	75 dB				
Temperature range	-10 - 50 ℃			10 - 50 ℃	
Type of installation	surface mounting/ flush mounting	flush mounting		surface mounting	
With ribbon cable	●	●	●	●	●
Parameter setting	ST 220 service terminal				
EltVTR	●	●	●	●	●

● = YES

Stainless steel variants TZ 320 SN, V2A

Installation variants

- **TZ 320 SN, V2A, AP:** Surface mounting
- **TZ 320 SN, V2A, UP:** Flush mounting installation with flush mounting box:
  Ideal for installation situations where flush mounting boxes cannot be fitted safely due to local circumstances (e.g. cavity wall).
- **TZ 320 SN, V2A, flush mounting boxes:** Flush mounting installation in standard flush mounting boxes:
  The control components door control unit, key switch and power supply are usually installed in the flush mounting boxes and covered by the stainless steel front plate and an additional spacer frame. The front plate is screwed safely in the wall.

Design variants

- **Standard:**
  The front plate has a recess for the Euro profile cylinder of the key switch. The emergency exit sign is pre-assembled from behind on a Makrolon panel, making it tamper proof.
- **RFID:**
  The front plate has a 55 x 55 mm recess for an RFID reader instead of the Euro profile cylinder recess. The emergency exit sign is pre-assembled from behind on a Makrolon panel, making it tamper proof.
- **TZ 322:**
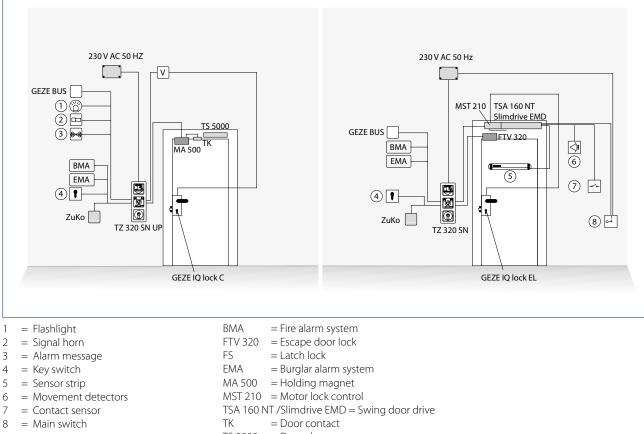 TZ 322 is a control unit without an emergency button for special applications (e.g. in psychiatric units or care homes). The front plate is closed at the top (instead of the Makrolon panel with emergency exit sign).

TZ 320 Standard door control unit - system structure

1	= Flashlight
2	= Signal horn
3	= Alarm message
4	= Key switch
5	= Sensor strip
6	= Movement detectors
7	= Contact sensor
8	= Main switch

BMA	= Fire alarm system
FTV 320	= Escape door lock
FS	= Latch lock
EMA	= Burglar alarm system
MA 500	= Holding magnet
MST 210	= Motor lock control
TSA 160 NT /Slimdrive EMD	= Swing door drive
TK	= Door contact
TS 5000	= Door closer
ZuKo	= Access control

Functional description

In the direction of escape, the door is held closed by an additional electrical locking element, which is controlled by the door control unit as the central system unit. Authorised passing of the secured door can happen by means of external activation devices such as key switches, access control or an intercom. In the direction of escape, authorised passage is also possible by means of the integrated key switch of the door control unit. If the door is to be passed through from the outside, the panic lock must be mechanically unlocked as well.

Time monitoring of the door

If the door is not closed after the release time has expired, a pre-alarm is triggered to draw attention to the time limit being exceeded. If the pre-alarm time is also exceeded, a door alarm is triggered and has to be acknowledged by the key switch.

Passing of the door in case of emergency

The door can be released at any time via the integrated emergency button. Visual and acoustic signal transmitters in the door control unit signal unauthorised passing of the door.

Central control and visualisation

Thanks to the integrated bus function of the TZ 320, central visualisation and control of the individual doors can take place via the TE 220 control panel or via GEZE Cockpit.

Bus functions

Burglar alarms (BMA), fire alarm systems (BMA) or timers (ZSU) can be connected to a door control unit in the bus system. The signals can be forwarded by the bus to all further door control units. Up to five groups are always possible.

Other functions
- Permanent unlocking
- Locking
- Acknowledging an alarm
- Emergency unlocking via the fire alarm system

Design variants

The variant with GEZE IQ lock C, a self-locking contact lock in place of the panic lock, offers increased convenience of passage from the outside by only one operating process. Mechanical unlocking of the lock and release of the emergency exit protection are carried out simultaneously. The lock is unlocked by the Euro profile cylinder via the integrated cylinder contact of the IQ lock C, and a short-term release is executed at the TZ 300 at the same time.

The variant with GEZE IQ lock EL, the self-locking motor lock combined with swing door drive, offers increased convenience of passage thanks to the fully automatic opening of the door after authorised passage. In daytime operation the door control unit can be permanently unlocked so that passage via push button or radar signal is possible by anyone. At night, the door control unit can be locked so that passage is only possible by authorised persons. In addition, the self-locking feature guarantees the doors are always locked in accordance with insurance requirements.

Planning information

The TZ 320 is very well equipped with two freely programmable outputs and three inputs. If the demands make more outputs or inputs necessary, the system TZ 320 Comfort with KL 220 terminal box must be used. If, for example, alarm signals are needed in addition to a swing door drive, or if other signals have to be forwarded to a central building management system, more than two outputs are necessary.

System components

- TZ 320 SN AP/UP door control unit
- FTV 320 escape door lock
- Emergency exit electric strike with latch lock or holding magnet with installation set and door contact

Options
- BLE 220 flashlight, SLH 220signal horn
- SCT 220, SCT 221, SCT 222, SCT 320 external key switches
- NOT 320 external emergency push button
- Uninterruptible power supply (UPS)
- T 320 terminal
- ST 220 service terminal
- GEZE IQ lock EM, EL, M und C
- TSA 160 NT, Slimdrive EMD, ECturn, Powerturn swing door drives
- TE 220 control panel
- Connection to BACnet MS/TP via IO 420
- Connection to BACnet IP via GEZE Cockpit

Order information

Description	Switch range	Version	ID no.
TZ 320 BSN door control unit, flush mounting Comprising: control unit with emergency button, key switch with Euro profile half cylinder, emergency exit sign, illuminated, 24 V DC power supply	Jung AS 500	white	131124
	Jung LS 990	stainless steel	131128
	Gira E2	anthracite	131163
	Gira E2	pure white matt	131162
TZ 320 SN door control unit, flush mounting Comprising: control unit with emergency button, key switch with Euro profile half cylinder, emergency exit sign, non-illuminated, 24 V DC power supply	Jung AS 500	white	131125
	Jung LS 990	stainless steel	131129
	Gira E2	anthracite	131165
	Gira E2	pure white matt	131164
TZ 320 S, door control unit, flush mounting Comprising: control unit with emergency button, key switch with Euro profile half cylinder, emergency exit sign, non-illuminated	Jung AS 500	white	131126
	Jung LS 990	stainless steel	131130
	Gira E2	anthracite	131167
	Gira E2	pure white matt	131166
TZ 320 BSN door control unit, surface mounting Comprising: control unit with emergency button, key switch with Euro profile half cylinder, emergency exit sign, illuminated, 24 V DC power supply		white-aluminium	131131
		green	130345

Description	Switch range	Version	ID no.
TZ 320 SN door control unit, surface mounting Comprising: control unit with emergency button, key switch with Euro profile half cylinder, emergency exit sign, non-illuminated, 24 V DC power supply		white-aluminium	131133
		green	130346
TZ 320 BSdoor control unit, surface mountingt Comprising: control unit with emergency button, key switch with Euro profile half cylinder, emergency exit sign illuminated		white-aluminium	132310
		green	132286
TZ 320 Sdoor control unit, surface mountingt Comprising: control unit with emergency button, key switch with Euro profile half cylinder, emergency exit sign, non-illuminated		white-aluminium	132311
		green	132287
TZ 322 SN door control unit, surface mounting Comprising: control unit without emergency button, key switch with Euro profile half cylinder, emergency exit sign, non-illuminated 24 V DC power supply		green	130354
TZ 322 S door control unit, surface mounting Comprising: control unit without emergency button, key switch with Euro profile half cylinder		green	132295
TZ 321 SN, door control unit, surface mounting Comprising: control unit with delayed emergency button, key switch with Euro profile half cylinder, emergency exit sign, non-illuminated, 24 V DC power supply		green	142374
TZ 320 SN door control unit, V2A, surface mounting, set Comprising: stainless steel front plate surface mounting, standard with recess for Euro profile cylinder, stainless steel housing surface mounting, control unit TZ 320 AP with emergency button, SCT 320 key switch, emergency exit sign pre-assembled, SCT design adhesive frame, NET 320 power supply, 24 V DC, 750 mA			155036
TZ 320 SN door control unit, V2A, flush mounting, set Comprising: stainless steel front plate flush mounting, standard with recess for Euro profile cylinder, stainless steel housing flush mounting, control unit TZ 320 UP with emergency button, SCT 320 key switch, emergency exit sign pre-assembled, SCT design adhesive frame, NET 320 power supply, 24 V DC, 750 mA,			155037
TZ 320 SN door control unit, V2A, flush mounting boxes, set Comprising: stainless steel front plate flush mounting, standard with recess for Euro profile cylinder, spacer frame, white, control unit TZ 320 UP with emergency button, SCT 320 key switch, emergency exit sign pre-assembled, SCT design adhesive frame, NET 320 power supply, 24 V DC, 750 mA			155503
Stainless steel housing, TZ 32x		surface mounting	155022
		flush mounting	155023
Stainless steel front plate, RFID With recess for RFID reader		surface mounting	155025
		flush mounting	155028
Stainless steel front plate, standard With recess for Euro profile cylinder		surface mounting	155024
		flush mounting	155027
Stainless steel front plate, TZ 322 With recess for Euro profile cylinder For applications with TZ 322 without local emergency button		surface mounting	155026
		flush mounting	155029
Spacer frame white for stainless steel housing surface mounting For installation of the door control unit with surface mounting stainless steel housing			158696
Spacer frame white for stainless steel front plate flush mounting For mounting the door control unit with flush mounting stainless steel front plate in standard flush mounting boxes, depth 62.5 mm			155030
FWS emergency exit sign back, green			155033
Emergency exit sign 70 x 70 mm, green			155032
LED backlight, GN/RD, TZ 32x design For optical backlighting of the stainless steel front plate			155031
SCT design adhesive frame, rectangular/round For attachment around the Euro profile cylinder recess on the front plate			155034
Accessories mains connection, TZ 32x V2A			155035

COMPONENTS

GEZE TZ 320 Comfort with KL 220 terminal box

System extension by further inputs and outputs

In connection with the GEZE KL 220 terminal box, the GEZE TZ 320 door control unit is extended by four freely programmable inputs and six freely programmable outputs. This means KL 220 can be used for a wide range of necessary functions where the two TZ 320 outputs and three inputs are no longer sufficient. In addition, KL 220 is used when there is not enough space for connection in the door control unit. This can be particularly sensible for flush mounting door control units since space in the flush mounting boxes is limited on account of the system. KL 220 takes over the voltage supply to the system by means of an integrated power supply.

Note: the TZ 320 door control units are to be used without power supply in connection with KL 220.
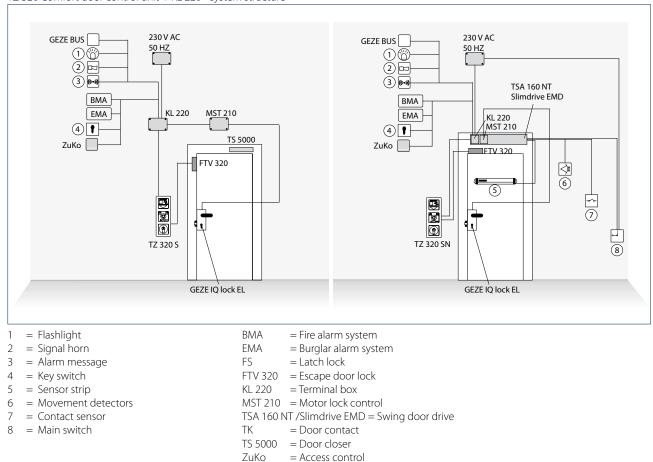
TZ 320 door control unit with KL 220 terminal box

| **Area of application** | • Extension of the functionality of the TZ 320 by four inputs and six outputs |
| | • When flush mounting door control units are used and there is little space for connection in the flush mounting boxes |

Technical data

Product features	KL 220 AP	KL 220 UP	KL 220 cover extension kit
Width	113 mm	107 mm	90 mm
Height	113 mm	107 mm	90 mm
Depth	58 mm	57 mm	
Operating voltage	24 V		
Supply voltage	230 V		
Current consumption	80 mA		
Power supply for external devices	600 mA		
Sabotage contact	●	●	●
Number of inputs	4 pc.		
Number of outputs	6 pc.		
Temperature range	-10 - 50 ℃		
IP rating	IP54	IP30	
Type of installation	surface mounting	flush mounting	for installation in a cover extension kit

● = YES

TZ 320 Comfort door control unit + KL 220 - system structure

1	= Flashlight	BMA	= Fire alarm system	
2	= Signal horn	EMA	= Burglar alarm system	
3	= Alarm message	FS	= Latch lock	
4	= Key switch	FTV 320	= Escape door lock	
5	= Sensor strip	KL 220	= Terminal box	
6	= Movement detectors	MST 210	= Motor lock control	
7	= Contact sensor	TSA 160 NT /Slimdrive EMD	= Swing door drive	
8	= Main switch	TK	= Door contact	
		TS 5000	= Door closer	
		ZuKo	= Access control	

Functional description

The function corresponds to the TZ 320 system. The KL 220 terminal box is used in addition to provide further inputs and outputs. This means there are still sufficient outputs available e.g. also in connection with a swing door drive to send alarm signals or system signals such as locking state, door state# or faults.

Planning information

If there are still aspects of the version or function which are not certain during planning, we recommend choosing the TZ 320 Comfort system to avoid later retro-fitting. This system is also the right choice in cases where it is uncertain whether functions may be extended in the future. Alternatively, an existing TZ 320 system can be retrofitted with the terminal box at any time. However, this should be taken into account in advance when planning the cable assignment.

System components

- TZ 320 S AP / UP door control unit
- KL 220 AP / UP terminal box
- Emergency exit electric strike with latch lock or holding magnet with installation set and door contact
- FTV 320 escape door lock

Options

- BLE 220 flashlight, SLH 220 signal horn
- SCT 220, SCT 221, SCT 222, SCT 320 external key switch
- NOT 320 external emergency push button
- Uninterruptible power supply (UPS)
- T 320 terminal
- ST 220 service terminal

- GEZE IQ lock EM, EL, M and C
- TSA 160 NT, Slimdrive EMD, ECturn, Powerturn swing door drives
- TE 220 control panel
- Connection to BACnet MS/TP via IO 420
- Connection to BACnet IP via GEZE Cockpit
- GEZE SecuLogic access control system

Order information

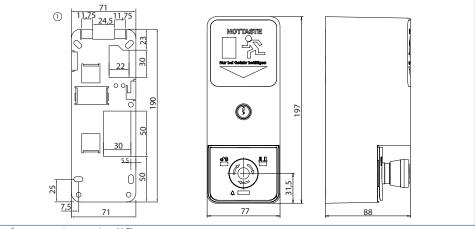| Description	Version	ID no.
KL 220 AP terminal box	grey	087262
KL 220 UP terminal box	grey	089317
KL 220 terminal box cover extension kit		093661

GEZE Terminal T 320

Bi-directional emergency exit protection for doors with emergency exit function in both directions

In the case of doors that secure an escape route in both directions, a special system solution is necessary so that passage through these doors is possible in both directions in emergency situations. With the GEZE system solution, doors along escape routes are generally held closed via an additional electrical locking element and are thus reliably secured against unauthorised passage. Passage of the escape route doors is controlled by the TZ 320 door control unit. The T 320 terminal is fitted in the second direction of escape. This allows the door to be released safely from both sides via an emergency button at any time in the event of danger. The door can be controlled and monitored via the T 320 terminal and via the TZ 320 door control unit.
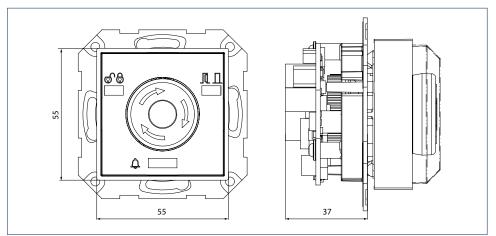

On the left: surface mounting version (AP), on the right: flush mounting version (UP) with control unit

GEZE T 320

Surface mounting version (AP)
1   = Mounting plate

Control unit flush mounting version (UP)

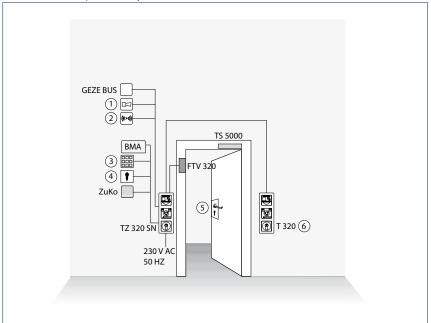|	
Area of application	• Bi-directional escape route
	• Public buildings
	• Schools
	• Nursing and residential homes for the elderly
	• Assisted accommodation
	• High-rise buildings

Technical data

Product features	T 320 terminal surface mounting	T 320 control unit flush mounting
Width	77 mm	55 mm
Height	197 mm	55 mm
Depth	88 mm	
Operating voltage	24 V	24 V
Supply voltage	24 V	
Current consumption	100 mA	
Sabotage contact	●	●
Emergency button	●	●
Acoustic signal	75 dB	
Temperature range	-10 - 50 ℃	
IP rating	IP20	
Type of installation	surface mounting	flush mounting
EltVTR	●	●

● = YES

COMPONENTS

Bi-directional escape route - system structure

1 = Signal horn
2 = Alarm message
3 = Toplock
4 = Key switch
5 = Panic lock
6 = outside

System description

Authorised passage in the 1st direction of escape
Authorised passage through the secured door in the 1st direction of escape is possible by means of an integrated key switch of the door control unit. In addition, passage via external elements e.g. access control or a key switch is also possible. The door is released for authorised passage for a configurable amount of time (short-term release).

Authorised passage in the 2nd direction of escape
Authorised passage through the secured door in the 2nd direction of escape is by means of an integrated key switch of the terminal. In addition, passage via external elements e.g. access control or a key switch is also possible. The door is released for authorised passage for a configurable amount of time (short-term release).

Time monitoring of the door
If the door is not closed after the release time has expired, a pre-alarm is triggered to draw attention to the time limit being exceeded. If the pre-alarm time is also exceeded, a door alarm is triggered and has to be acknowledged by the key switch. The door is equipped with a door closer to ensure it closes automatically after passage.

Passing of the door in case of emergency
The door can be released at any time via the integrated emergency button on the door control unit and/or on the terminal. Visual and acoustic signal transmitters in the door control unit and in the terminal signal unauthorised passing of the door. It is also possible to trigger external signal transmitters via an alarm contact or relaying a message to a building management system.

Order information

Description	Version	ID no.
T 320 UP control unit (No complete flush mounting set available. Made up of individual components)		140999
T 320 AP terminal Comprising: control unit with emergency button, key switch with Euro profile half cylinder, emergency exit sign, non-illuminated	white-aluminium	141032
	green	141031

Note
A flush mounting set is made up of the individual components T 320 terminal, SCT 320 key switch, FWS 320 emergency exit sign, cover frame triple (for Jung LS 990 additional: intermediate frame)
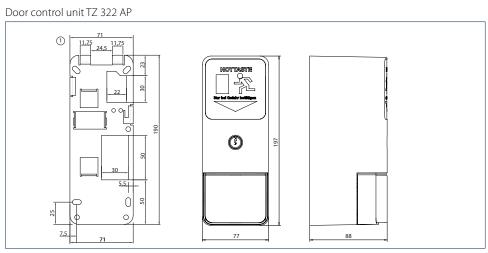
GEZE TZ 322 door control unit without emergency button

Customised solution without local emergency button for increased safety requirements

GEZE offers special solutions corresponding to the legal requirements for securing emergency doors in areas without a local emergency button e.g. in psychiatric units, court buildings or units housing patients with dementia. In this special version, there are no emergency buttons on the doors to activate the doors in emergencies. The system can only be activated by an emergency push button which is located at a permanently occupied desk. The emergency push button interrupts a so-called safety circuit. This results in all the doors connected to this safety circuit being released safely. Approval is required in the individual case from the highest building authorities in the country for applications without a local emergency button. The high-quality and sturdy stainless steel version is not only a number one choice in terms of design, it also provides increased protection against vandalism.

TZ 322 AP, TZ 322 AP stainless steel, TZ 322 UP stainless steel

GEZE TZ 322
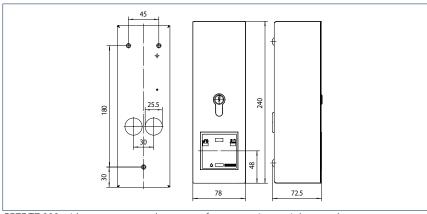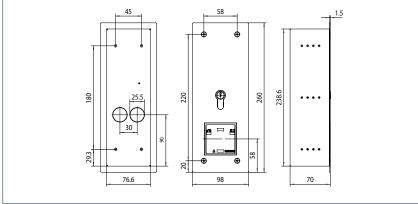
Door control unit TZ 322 AP

1 = Mounting plate

Area of application

- Nursing and residential homes for the elderly
- Assisted accommodation
- Court buildings
- Prisons
- High-security areas
- Psychiatric wards
- Secure hospital wards

COMPONENTS

GEZE TZ 322 without emergency button, surface mounting, stainless steel

GEZE TZ 322 without emergency button, flush mounting, stainless steel

Technical data

Product features	TZ 322 SN door control unit, surface mounting	TZ 322 S door control unit, surface mounting
Width	77 mm	
Height	197 mm	
Depth	88 cm	
Operating voltage	24 V	
Supply voltage	230 V	24 V
Current consumption	100 mA	
Power supply for external devices	650 mA	
Contact rating	30 V / 1 A	
Sabotage contact	●	●
Number of inputs	3 pc.	
Number of outputs	2 pc.	
Acoustic signal	75 dB	
Temperature range	10 - 50 °C	
IP rating	IP20	
Type of installation	surface mounting	
With ribbon cable	●	●
Parameter setting	ST 220 service terminal	
EltVTR	●	●

● = YES

Special system for areas without local emergency button - system structure

1 = Central desk
2 = Safety circuit
3 = Panic lock
4 = Inside
5 = Outside

System description

Authorised passage in / against the direction of escape

Authorised passage of the secured door both in and against the direction of escape is possible by means of a key switch on the door. The door is released for authorised passage for a configurable amount of time (short-term release). The key switch is equipped with two LEDs which display the locking and alarm state. As an option, an access control system can be fitted for convenient passage.

Time monitoring of the door

If the door is not closed after the release time has expired, a pre-alarm is triggered to draw attention to the time limit being exceeded. If the pre-alarm time is also exceeded, a door alarm is triggered and has to be acknowledged by the key switch. The door is equipped with a door closer to ensure it closes automatically after passage.

Monitoring of the secured escape door

A „pre-alarm" is signalled by the integrated handle contact of the motor lock if the door handle or panic bar is activated on a secured escape door. This is an early indication to unauthorised persons that the door is secured.

Passing of the door in case of emergency

The system can only be activated by an emergency push button which is located at a permanently occupied desk. The emergency push button interrupts a so-called safety circuit. This triggers the safe activation of all the doors connected to this safety circuit.

Central monitoring and control of the doors

A TE 220 control panel can be used to monitor and control up to 20 doors from a permanently occupied desk.

Order information

Description	Version	ID no.
TZ 322 SN door control unit, surface mounting Comprising: control unit without emergency button, key switch with Euro profile half cylinder, emergency exit sign, non-illuminated 24 V DC power supply	green	130354
TZ 322 S door control unit, surface mounting Comprising:-Control without emergency button, key switch with Euro profile half cylinder	green	132295
Stainless steel front plate, TZ 322 With recess for Euro profile cylinder For applications with TZ 322 without local emergency button	surface mounting	155026
	flush mounting	155029

Emergency exit protection

Flexible and safe entrance and exit control for nursery schools

With this emergency exit protection system for doors in nursery schools, the escape door is always locked and thus reliably protected against unauthorised passage. It is thus possible to prevent children from using the escape door without authorisation thanks to an approved systems. The special feature of this system is the push button on the inside of the door, which is positioned at a height of 1.80 m, inaccessible for children. In addition, the outside push button can be enabled or disabled via a switch for the parents during the arrival and collection periods. The activation of the emergency button - at a level children can reach - immediately releases the door and is signalled by both visual and acoustic alarms. This solution is also suitable for existing doors which are already fitted with an electric strike and a knob or pull handle on the outside.

1 = Panic lock with changeover function „E" on site
2 = TS 4000/TS 5000 door closer
3 = Push button at 1.80 m
4 = Switch to enable or disable the outer push button
5 = TZ 320 SN door control unit, surface/flush mounting
6 = FTV 320 escape door lock
7 = A5000--B electric strike
8 = Key switch
9 = Outside push button

System components	
TZ 320 SN door control unit, surface/flush mounting	●
FTV 320 escape door lock	●
A5000--B electric strike	●
RP 220 relay board	●
Push button at 1.80 m	●
Push button outside	●
Switch to enable or disable the outside push button	●
TS 4000/TS 5000 door closer	●
Panic lock with changeover function „E" on site	●
Optional components	
Swing door drive as an alternative to the door closer for automatic door operation	
Holding magnet with installation set and door contact instead of escape door lock	
BLE 220 flashlight	
SLH 220 signal horn	
Uninterruptible power supply (UPS)	
Timer instead of the switch	

● = YES

System description

Passage by nursery school staff

Staff triggers a short-term release on the door control unit by activating the outside key switch. This allows the door to be passed using the key on the panic lock.

Arrival and collection times

The outside push button can be enabled or disabled via a switch in the office or on the nursery school door. This means that parents can trigger a short-term release when they are bringing or collecting their children, and open the door from the outside. Parents can leave the nursery school again by opening the door using the push button mounted at a height of 1.80 m. The installation height of 1.80 m means the push button is out of children's reach.

Time monitoring of the door

If the door is not closed after the release time has expired, a pre-alarm is triggered to draw attention to the time limit being exceeded. If the pre-alarm time is also exceeded, a door alarm is triggered and has to be acknowledged by the key switch. The door is equipped with a door closer to ensure it closes automatically after passage.

Passing of the door in case of emergency

The door can be released at any time in an emergency by pressing the integrated emergency button on the door control unit which is usually installed at a height of 850 mm and is thus also accessible for children. Visual and acoustic signal transmitters in the door control unit signal passing of the door. It is also possible to trigger external signal transmitters via an alarm contact or relaying a message to a building management system.

Burglary protection

The nursery school staff must lock the door manually using the panic lock in order to lock it in line with insurance requirements.

Emergency exit protection

Bi-directional emergency exit protection for doors with emergency exit function in both directions

In the case of doors that secure an escape route in both directions, a special system solution is necessary so that passage through these doors is possible in both directions in emergency situations. With the GEZE system solution, doors along escape routes are generally held closed via an additional electrical locking element and are thus reliably secured against unauthorised passage. Passage through escape route doors is controlled by the TZ 320 door control unit. The T 320 terminal is fitted in the second direction of escape. This allows the door to be released safely from both sides via an emergency button at any time in the event of danger. The door can be controlled and monitored via the T 320 terminal as well as via the TZ 320 door control unit.

1 = TS 4000/TS 5000 door closer
2 = TZ 320 SN door control unit, surface/flush mounting
3 = FTV 320 escape door lock
4 = T 320 S terminal, surface/flush mounting

System components	
TZ 320 SN door control unit, surface/flush mounting	●
T 320 S terminal, surface/flush mounting	●
FTV 320 escape door lock	●
TS 4000 / TS 5000 door closer	●
Optional components	
Holding magnet with installation set and door contact instead of escape door lock	
BLE 220 flashlight	
SLH 220 signal horn	
Uninterruptible power supply (UPS)	
Access control	
TE 220 control panel	
Connection to BACnet MS/TP via IO 420	
Connection to BACnet IP via GEZE Cockpit	

● = YES

System description

Authorised passage in the 1st direction of escape
Authorised passage through the secured door in the 1st direction of escape is by means of an integrated key switch of the door control unit. In addition, passage via external elements e.g. access control or a key switch is also possible. The door is released for authorised passage for a configurable amount of time (short-term release).

Authorised passage in the 2nd direction of escape
Authorised passage through the secured door in the 2nd direction of escape is by means of an integrated key switch of the terminal. In addition, passage via external elements e.g. access control or a key switch is also possible. The door is released for authorised passage for a configurable amount of time (short-term release).

Time monitoring of the door
If the door is not closed after the release time has expired, a pre-alarm is triggered to draw attention to the time limit being exceeded. If the pre-alarm time is also exceeded, a door alarm is triggered and has to be acknowledged by the key switch. The door is equipped with a door closer to ensure it closes automatically after passage.

Passing of the door in case of emergency
The door can be released at any time via the integrated emergency button on the door control units. Visual and acoustic signal transmitters in the door control unit signal unauthorised passing of the door. It is also possible to trigger external signal transmitters via an alarm contact or relaying a message to a building management system.

SYSTEM SOLUTIONS

Central control systems

Hospital ward solution with control panel

The GEZE SecuLogic building system is used for the central display and control of GEZE systems and external products. The hospital ward solution, used in old people's homes, retirement complexes or public facilities, for example, allows up to 20 doors to be monitored and controlled from a central desk. Feedback of the system state of the doors and windows can be seen at a glance at all times. The individual control elements (control panels, door control units, IO modules as well as automatic door drives from GEZE) can be arranged as required in the individual bus systems.

1 = IQ lock EL motor lock
2 = TS 4000/TS 5000 door closer
3 = TZ 320 door control unit
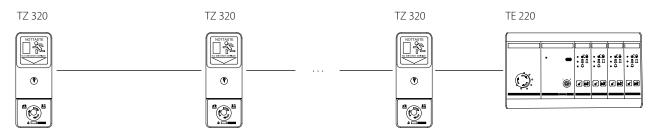4 = FTV 320 escape door lock
5 = TE 220 control panel

System components	
TE 220 control panel	●
TZ 320 door control unit	●
FTV 320 escape door lock	●
IO 420 interface module	●
TS 4000 / TS 5000 door closer	●
Optional components	
Repeater for extending the bus topology	
DCU 103 door control unit for automatic GEZE drives	●

● = YES

System description

Bus topology: line-shaped bus structure

The maximum cable length is 1000 m. For practical purposes, we recommend restricting maximum bus length to 900 m since the quality of the bus signal can be impaired by numerous terminal points. A maximum of 20 participants are permitted per control panel. Additional repeaters can be used to achieve star or tree structures and to extend bus lengths by another 1000 m.

Visualisation

The operating states „door closed/open", „door locked/unlocked" and „alarm" can be displayed per bus participant.

Control

The components can be „permanently unlocked", „locked" and „short-term released". Other control commands can be realised depending on the application. The central control unit permits convenient operation of the doors.

Alarms

The alarm display allows alarm states to be recognised early and the building operator can react accordingly. If an escape door has not been closed after passage, for example, a „door alarm" is signalled and the escape door can be secured again by closing the respective door.

Display locking state	Display door state	Display alarms	Control commands
Door unlocked	Door open	No alarm	Unlock
Door locked	Door closed	Alarm	Lock
Door short-term released			Short-term release

SYSTEM SOLUTIONS

Central monitoring

Hospital ward control visualised

The GEZE SecuLogic building system hospital ward solution can be installed at several different points in a building, e.g. multiple wards on different stories. Visualisation of the individual hospital ward control units facilitates continuous monitoring of the system state of all connected door and window systems from a central desk.

The individual control elements (control panels, door control units, IO modules as well as automatic door drives from GEZE) can be arranged as needd in the individual bus systems. They are brought together at the central desk, where they are visualised.

1	=	IQ lock EL motor lock
2	=	TS 4000/TS 5000 door closer
3	=	TZ 320 door control unit
4	=	FTV 320 escape door lock
5	=	MST 210 motor lock control unit
6	=	TE 220 control panel
7	=	CAN/Ethernet Gateway
8	=	GEZE Cockpit
9	=	Router (optional)
9.1	=	GEZE Cockpit VISU on desktop PC
9.2	=	GEZE Cockpit VISU on touchscreen (optional)

System components	
TE 220 control panel	●
TZ 320 door control unit	●
FTV 320 escape door lock	●
CAN / Ethernet Gateway	●
GEZE Cockpit	●
TS 4000/TS 5000 door closer	●
Optional components	
Repeater for extending the bus topology	

● = YES

System description

Bus topology: linear bus structure

The maximum cable length of the CAN BUS is 1000 m. For practical reasons, we recommend restricting the maximum bus length to 900 m as there is a loss of quality of the bus signal due to numerous terminal points.

Additional repeaters can be used to achieve star or tree structures and to extend bus lengths by another 1000 m.

Up to 64 participants can be integrated in the CAN Bus.

Visualisation

A large number of operating states can be shown for each bus participant.

Control

The components can be „permanently unlocked", „locked" and „short-term released". Other control commands can be realised as needed by installation. A central control unit makes convenient operation of the doors possible.

Alarms

The alarm display allows alarm states to be recognised early and the building operator can react accordingly. If an escape door has not been closed after passage, for example, a „door alarm" is signalled and the escape door can once again be secured by closing the respective door.

Display locking state	Display door state	Display alarms	Display door control unit state	Commands
Door unlocked	Door open	No alarm	Unlock	Unlock
Door locked	Door closed	Emergency opening by door control unit	Timer active	Lock
		Danger alarm system alarm	Lock	Short term release
		Door alarm on door control unit	EMA active - lock	
		Sabotage alarm on door control unit	Short term release active	
		Emergency opening by door terminal	Service mode active	
		Sabotage on door terminal	Alarm system active	
		Sabotage on terminal box	Active interlocking door system	
		Emergency opening by BUS alarm	Passive interlocking door system	
		CAN BUS interference	Passing through interlocking door system active	
		Relay fault on door control unit		
		Fault on locking element		
		Communication with terminal box disrupted		
		Communication with door terminal disrupted		
		RTC (real time clock) disrupted		

For further networking solutions on the BACnet standard via GEZE Cockpit, see www.cockpit.geze.com/en.

SYSTEM SOLUTIONS

Central control systems

For doors in security interlocking door systems

This system allows security interlocking door systems (active or passive) to be set up on escape routes e.g. in operating wings, laboratories and quarantine wards. This is the case when several doors are released in succession and may only be passed once the respective previous door has been closed again. The doors in one group mutually lock each other. One door control unit can be assigned to several groups at the same time. The security interlocking door system relations can be changed at any time through simple parameter setting. A maximum of 10 security interlocking door groups with up to 10 door control units each are possible in one bus system. For both types of security interlocking door systems, immediate access can be gained by activating the emergency button. The security interlocking door function can be switched on and off by means of key switches.

1 = TS 4000/TS 5000 door closer
2 = TZ 320 SN door control unit, surface/flush mounting, integrated reader
3 = Signal light display red/green
4 = FTV 320 escape door lock

System components	
TZ 320 SN door control unit, surface/flush mounting	●
FTV 320 escape door lock	●
Signal light display red / green	●
Push button	●
Power supply	●
TS 4000 / TS 5000 door closer	●
ST 220 service terminal for setting the functions	●
Optional components	
Holding magnet with installation set and door contact instead of escape door lock	
Red indicator lamp instead of the traffic light display	
IQ lock EL motor lock	
IQ lock EM lever lock	
IQ lock C contact lock	
TSA 160 NT / Slimdrive EMD / Powerturn swing door drive	
Timer (ZSU)	
BLE 220 flashlight	
SLH 220 signal horn	
Uninterruptible power supply (UPS)	
TE 220 control panel	

● = YES

System description

Active security interlocking door system
When closed, all the doors programmed as part of an active security interlocking door system are locked. If one of these doors is short-term released via respective activation devices, it transmits a signal to all the other doors in the group at the same time and locks the activation devices of the other (still locked) doors.

Passive security interlocking door system
In contrast to the active security interlocking door system, all the doors set as part of a passive security interlocking door system are not generally locked when closed. If one of these doors is opened, a signal is sent to all other doors and locks these.

Mixed security interlocking door system (active and passive)
Both security interlocking door system types can be combined in one security interlocking door group.

Re-locking of the security interlocking doors to balance pressure or clean the air e.g. in clean room applications
A time can be set for the security interlocking door system to remain locked after it has been passed through (locking all the doors of a security interlocking door group). Different times can be set at all the door control units of a security interlocking door system. This makes it possible, for example, to keep the door locked for 5 s following passage from a clean room to a grey room, and for 15 s following passage in the opposite direction (grey room > clean room), since more time is required to clean the air in this case.

Authorised passage from the non-secured area to the security interlocking door system area
Authorised passage from the non-secured area is by means of electric access control using a card reader or the integrated key switch of the door control unit. The door is released for authorised passage for a configurable amount of time (short-term release).

Authorised passage out of the interlocking door system area
In the interlocking door system area, the doors are released via a push button without special authorisation. If a higher safety standard is necessary, an electric access control or mechanical key switch must be used here as well.

Authorised passage from the secured area to the security interlocking door system area
In the secured area, the door is released via a push button without special authorisation. If a higher safety standard is required, an electric access control or mechanical key switch must be used here as well.

SYSTEM SOLUTIONS

Opening several security interlocking door system doors for transport purposes

The „permanent unlocking" function on the door control units is used to disable the security interlocking door system function. It is then possible to open several doors in one security interlocking door group at the same time. If deactivation of the security interlocking door system is not possible for security reasons, the „permanent unlocking" function can be suppressed on the door control units.

Visual display of the security interlocking door system state

A locked security interlocking door system is indicated by the integrated LEDs on the door control unit flashing red. In addition, the green signal on the traffic light system indicates an interlocking door system that can be entered, a red signal indicates one which is blocked. As an option, the system can display only a red signal; this indicates that the security interlocking door system is occupied. If no visual signal is displayed, the door can be passed.

Time monitoring of the door

If the door is not closed after the release time has expired, a pre-alarm is triggered to draw attention to the time limit being exceeded. If the pre-alarm time is also exceeded, a door alarm is triggered and has to be acknowledged by the key switch. The door is equipped with a door closer to ensure it closes automatically after passage.

Automatic security interlocking door systems

In the context of security interlocking door system control it is also possible to activate swing door drives via the door control unit and thus to open and close specific doors in defined building sections. If a door is locked by the door control unit (basic state of active security interlocking door system), the door drive is in the so-called night mode. If the short-term release is triggered, the drive is automatically activated and the door opens. After the hold-open time set on the drive has passed, the door closes and the door control unit locks the door. If a door is unlocked (basic state of passive security interlocking door system), the door drive is switched to automatic mode. The activation devices connected to the drive are active as long as the door is unlocked. If the door control unit locks, all the activation devices belonging to the automation are without function.

Passing of the door in case of emergency

The door can be released at any time via the integrated emergency button on the door control units. Visual and acoustic signal transmitters in the door control unit signal unauthorised passing of the door. It is also possible to trigger external signal transmitters via an alarm contact or relaying a message to a building management system.

Integration of doors without emergency exit function

Other types of doors such as sliding doors or industrial doors can be integrated in a simple security interlocking door system relation by means of the door control units. In this case, the door control unit serves as a security interlocking door system control which interrupts or releases the activation devices of the other doors. Its standardisation means that this solution is more straightforward than a security interlocking door system control via a programmable logic controller (PLC), which generally requires separate programming and a wiring and connection diagram.

Flush mounting components

TZ 300 UP, T 320 UP, TZ 320 UP,
TZ 321 UP control unit

TZ 300 UP control unit
- Control unit with emergency button
- Impact cover made of transparent plastic
- For switch ranges in System 55
- Installation in 62.5 mm deep flush mounting boxes
- Operating voltage: 24 V DC
- Current consumption: 100 mA

T 320 UP terminal
- Control unit with emergency button
- Impact cover made of transparent plastic
- For switch ranges in System 55
- Installation in 62.5 mm deep flush mounting boxes
- Operating voltage: 24 V DC
- Current consumption: 100 mA

TZ 320 UP control unit
- Control unit with emergency button
- Impact cover made of transparent plastic
- For switch ranges in System 55
- Installation in 62.5 mm deep flush mounting boxes
- Operating voltage: 24 V DC
- Current consumption: 100 mA

TZ 321 UP control unit
- Control unit with delayed emergency button
- Impact cover made of transparent plastic
- For switch ranges in System 55
- Installation in 62.5 mm deep flush mounting boxes
- Operating voltage: 24 V DC
- Current consumption: 100 mA

TZ 322 UP control unit

TZ 322 UP control unit
- Control unit without emergency button
- Impact cover made of transparent plastic
- For switch ranges in System 55
- Installation in 62.5 mm deep flush mounting boxes
- Operating voltage: 24 V DC
- Current consumption: 100 mA

**TZ 322 UP control unit
for stainless steel front plates**
- Control unit without emergency button
- No impact cover
- Suitable for stainless steel front plates
- Installation in stainless steel housings or flush mounting boxes
- Operating voltage: 24 V DC
- Current consumption: 100 mA

SCT 320 UP key switch

SCT 320 UP key switch
- Two-sided switching operation
- With Euro profile half cylinder and 3 keys
- With sabotage contact
- With ribbon cable
- Contact load: 24 V DC, 1A
- Area of application: dry rooms
- Without frame

INDIVIDUAL COMPONENTS

NET 320 power supply

- Primary voltage: 230 V AC 50 Hz
- Secondary voltage: 24 V DC (+/- 5 %)
- Output current: 750 mA
- Power: 18 W
- Diameter: 55.7 mm
- Depth: 33 mm
- Installation in deep flush mounting box

NET 320 power supply

FWS 320 B emergency exit sign

- Illuminated with ribbon cable
  for installation on TZ 320 / SCT 320
- Operating voltage: 24 V DC
- Current consumption: 10 mA
- Dimensions: 55 x 55 mm

FWS 320 B emergency exit sign

Emergency exit sign 70 x 70

- 2 x sticker for dummy cover 55 x 55
- 2 x adhesive frame 70 x 70
- Dummy cover ID 115402 needed separately

Emergency exit sign 70 x 70

Ribbon cable TZ / SCT 320 / FWS B

- For connection between the illuminated
  emergency exit sign, SCT 320 key switch
  and TZ 320 / TZ 300 / T 320 control unit

Order information

Description	Version	ID no.
TZ 300 UP control unit		136572
T 320 UP control unit (No complete flush mounting set available. Made up of individual components)		140999
TZ 320 UP control unit		129586
TZ 321 UP control unit		128589
TZ 322 UP control unit		128804
TZ 322 UP control unit for stainless steel front plates		157396
SCT 320 UP key switch Two-sided switching operation, with Euro profile half cylinder and three keys	alpine white	131984
	pure white matt	130370
	anthracite	132278
SCT 220 key switch, Jung LS 990 Two-sided switching operation, with Euro profile half cylinder and three keys	stainless steel	094170
NET 320 power supply, 0.75 A 24 V DC, flush mounting	black	139707
Ribbon cable TZ / SCT 320 / FWS B		131823
Emergency exit sign, illuminated with ribbon cable for installation on TZ 320 / SCT 320	green RAL 6032	130383
Emergency exit sign 70 x 70 mm, green consisting of 2x sticker for dummy cover 55x55, 2x adhesive frame 70x70	green RAL 6032	157337
	green RAL 6032	157338
Dummy cover with supporting ring, Jung AS 500	alpine white	115402
Dummy cover with supporting ring, Gira E2	anthracite	142492

INDIVIDUAL COMPONENTS

Switch ranges

Gira range

GIRA range
- Gira E2
- Gira profile 55 (for installation of the flush mounting components TZ 300 door control unit, NOT 320 emergency push button)

Jung range

Jung range
- Jung AS 500
- Jung LS 990

Feller range

Feller range
For further information about the Feller range, please contact:
GEZE Schweiz AG
Bodenackerstrasse 79
CH-4657 Dulliken
Tel. +41 62 28554 -00
Fax +41 62 28554 -01
E-mail: schweiz.ch@geze.com

Order information

Description	Frame	Version	ID no.
Cover frame Jung AS 500	single	alpine white	115376
	double	alpine white	115377
	triple	alpine white	115378
	fourfold	alpine white	115379
Dummy cover with supporting ring, Jung AS 500		alpine white	115402
Cover frame Jung LS 990	single	stainless steel	090104
	double	stainless steel	090265
	triple	stainless steel	088092
	fourfold	stainless steel	090266
	single	alpine white	148964
	double	alpine white	148968
	triple	alpine white	148991
	fourfold	alpine white	148994
Intermediate frame Jung LS 990		stainless steel	131822
Intermediate frame 55 x 55 mm for ST 550		alpine white	148997
Dummy cover with supporting ring, Jung LS 990		stainless steel	091715
		alpine white	149000
Cover for key switch Jung LS 990		alpine white	149003
Gira E2 cover frame	single	anthracite	138348
	double	anthracite	132338
	triple	anthracite	131899
	fourfold	anthracite	138349
	single	pure white matt	093982
	double	pure white matt	093983
	triple	pure white matt	093984
	fourfold	pure white matt	093995
Dummy cover with supporting ring, Gira E2		anthracite	142492
		pure white matt	093997
Gira AP-profile 55	double	aluminium, matt	142496
	double	pure white matt	142495
	triple	aluminium, matt	142494
	triple	pure white matt	142493

INDIVIDUAL COMPONENTS

GEZE TE 220 control panel

Controls and manages up to 20 escape doors, individually or in groups

The GEZE TE 220 control panel is part of the GEZE SecuLogic building system. It is used for the central display and control of GEZE systems and external products. The control panel is suitable for use in small and medium-sized buildings with up to 20 doors. The system state of the doors and windows can be seen at a glance at all times.

Area of application	• Controls and manages up to 20 emergency exit doors, individually or in groups
	• For small and medium-sized buildings
	• Nursing and residential homes for the elderly
	• Hospitals
	• Public buildings

Order information

Description	Version	ID no.
TE 220 control panel	grey	098283

GEZE Cockpit

The first building automation system for smart door, window and safety technology

With GEZE Cockpit, we are closing the gaps in building automation with the first building automation system for smart door, window and safety technology.

The unique networking of door and window technology with smart software and open interfaces offers planners and operators new options for building automation. For more efficiency, security, and convenience thanks to modular automation. For dynamic safety and fire protection concepts, intelligent smoke and heat extraction, and for targeted escape route release.

The data exchange between GEZE Cockpit and the products takes place on the open BACnet communications protocol. GEZE Cockpit provides MS/TP interfaces for this, via which signals can be received from the products and sent to them. Products are made bus-capable by the IO 420 interface module.

Area of application	• Building networking

Product features	• High future reliability and a reliable investment thanks to open communication standards
	• Encrypted data transmission and regular updates for maximum security
	• Simple integration and flexibility
	• Scalable using a client-capable system
	• Operating convenience thanks to user-friendly interface and browser-based activation

Description	Version	ID no.
GEZE Cockpit in top hat rail housing BACnet Building Controller for connecting up to 62 BUS participants via BACnet MS/TP		168274
GEZE Cockpit in top hat rail housing BACnet Building Controller for connecting up to 62 BUS participants via BACnet MS/TP		167295
GEZE Cockpit VISU licence Software application for the operation and visualisation of doors, windows and safety technology		167982
GEZE Cockpit VISU+ licence Software application for the creation of individual notification of alarms and monitoring of product-specific parameters Note: only in connection with GEZE Cockpit VISU		167983

INDIVIDUAL COMPONENTS

Network components

IO 420 interface module

BACnet module for building automation
- Operating voltage: 24 V DC +/-15 % with reverse polarity protection
- Current consumption: max. 2.5 A
- Operating temperature: -20 to 80 °C
- Dimensions: 111 x 107 x 59 mm (W x H x D)

DCU 103 door control unit

Interface to the CAN Bus Connection to
- GEZE building system
- GEZE building automation with BACnet (via IO 420)

GEZE bus repeater

- For extending the bus length by a further 900 m
- For installation on standard carrier rails.
- Operating voltage: 10 - 32 V DC
- Current consumption: 80 mA (at 24 V DC)
- Implementation of star and tree structures makes several repeaters and carrier rail connectors necessary
- Dimensions: 35.2 x 66 x 102.6 mm (W x H x D)
- IP rating: IP20

Power supply NT 24 - 1.3

- Primary voltage: 230 V AC, 50 Hz
- Secondary voltage: 24 V DC
- Output current: 1.3 A
- Power: 31.2 W
- IP rating: IP20
- Dimensions: 54 x 52 x 90 mm (W x H x D)
- Surface mounting installation on top hat rail

IO 420 interface module   DCU 103 door control unit
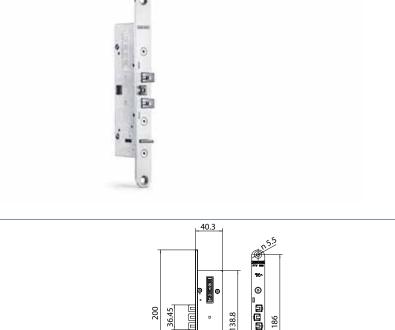
Order information

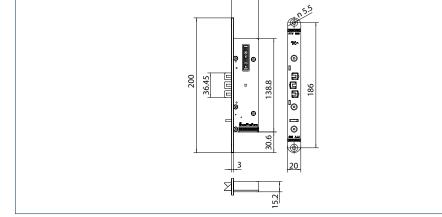| Description	ID no.
IO 420 interface module BACnet module for building automation	158313
DCU 103 door control unit For connection of GEZE drive technology (DCU 1, 2, 6) to the GEZE building system or the GEZE building automation with BACnet	119952
GEZE bus repeater	142499
Power supply NT 24-1,3 A - 24 V DC	078401

FTV 320 escape door lock

For use on doors in emergency exit protection and GEZE SecuLogic emergency exit systems

The GEZE FTV 320 escape door lock is part of the GEZE SecuLogic emergency exit system and is used to control and monitor electrically locked doors on escape and rescue routes. FTV 320 unlocks the door electrically following authorised activation or pushing of the emergency button on the GEZE TZ 300 / TZ 320 door control units and releases it.

Thanks to its high retention forces, secure and immediate unlocking under preload as well as unlocking in a de-energised state (fail-safe principle), FTV 320 can be used as a lock in countless other security applications.

GEZE FTV 320

Area of application

- Doors along escape and rescue routes
- Emergency exits
- Security interlocking door systems
- Further security solutions

Technical data

Product features	GEZE FTV 320
Height	1389 mm
Width	15 mm
Depth	38 mm
Operating voltage	24 V DC
Current consumption when locked	100 mA
Operating temperature	-20 to +60 °C
Latch preload	3.000 N
Breaking resistance	5.000 N
Clearance	5 ± 2 mm
DIN direction	universal
Feedback contact	yes
Fail-safe	yes
Suitability certificate	EltVTR

Product features

Reliable planning and easy consultation
One escape door lock for many applications. The installation positions DIN right / DIN left, horizontal / vertical, in door leaf or door frame make FTV 320 extremely versatile. Exchange with products from other manufacturers is no problem. The comprehensive range of accessories complies with the standard dimensions.

Time-saving and fail-safe
Additional components such as relay boards are not necessary. The double assignment of terminals is not required, nor is the setting of cable bridges between two terminals.

Space-saving
The small dimensions and omission of the latch lock previously needed, use of the FTV 320 avoids unnecessary recesses in the door or frame. Leaving more room for fireproof insulation on fire protection doors. Cables can be routed past the housing of the escape door lock.

Easy to install
Locking device and face plate are delivered pre-assembled. Two fixing screws are all that is needed for safe attachment. The strike plate on the opposite side is also installed using only two screws. There is no need for a latch lock to be installed.

Protected from vandalism and manipulation
Unlike conventional latch locks, the cross latches of the FTV 320 are blocked in locked state, which means manipulation by cheque card is excluded. The mechanism and integrated control circuit board are protected against manipulation attempts and report any attempts to a higher-ranking level.

FTV 320 escape door lock - Order information

Description	Door hinge DIN	Version	ID no.
FTV 320 escape door lock Face plate 20 x 200 x 3 mm, round for solid leaf doors (wood)	left / right		158906
FTV 320 escape door lock Face plate 22 x 220 x 3 mm, rectangular for tubular-framed doors	left / right		158907
FTV 320 escape door lock Face plate 24 x 200 x 3 mm, rectangular for tubular-framed doors	left / right		158908
FTV 320 escape door lock Face plate 24 x 200 x 3 mm, round for solid leaf doors (steel)	left / right		158909
FTV 320 escape door lock Face plate 25 x 200 x 3 mm, rectangular substitution option FTÖ 331	left / right		158913
FTV 320 escape door lock Face plate 28 x 200 x 3 mm, rectangular for tubular-framed doors	left / right		158910
FTV 320 escape door lock Face plate 30 x 200 x 3 mm, rectangular for tubular-framed doors	left / right		158911
FTV 320 escape door lock Face plate with latch guide 35 x 200 x 3 mm, rectangular Alternative version FTÖ 331	left / right		158914
FTV 320 escape door lock Angled face plate 30 x 48 x 220 x 3 mm, rectangular Alternative version FTÖ 331	left / right		158912

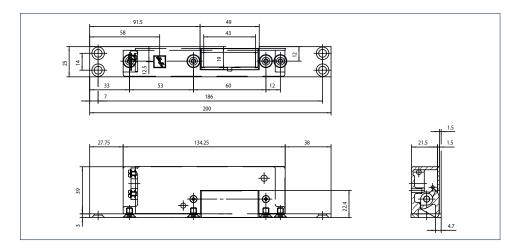| Description	Door hinge DIN	Version	ID no.
Accessories			
Lipped strike plate, can be shortened 20 x 140 x 3 mm (core dimensions), roundfor solid leaf doors (wood)	left / right	Stainless steel	159056
Lipped strike plate, can be shortened 24 x 140 x 3 mm, rectangular for tubular-framed doors	left / right	Stainless steel	159057
Lipped strike plate, can be shortened 24 x 140 x 3 mm, round for solid leaf doors (steel)	left / right	Stainless steel	159058
Strike plate 20 x 110 x 3, rectangular for tubular-framed doors	left / right	Stainless steel	163768
Strike plate 20 x 110 x 3, round for solid leaf doors (wood)	left / right	Stainless steel	159059
Strike plate 20 x 140 x 3, round for solid leaf doors (wood)	left / right	Stainless steel	159050
Strike plate 22 x 220 x 3 mm, rectangular for tubular-framed doors	left / right	Stainless steel	159051
Strike plate 24 x 110 x 3 mm, round for solid leaf doors	left / right	Stainless steel	159061
Strike plate 24 x 110 x 3, rectangular for tubular-framed doors	left / right	Stainless steel	163769
Strike plate 24 x 130 x 3 mm, rectangular for tubular-framed doors	left / right	Stainless steel	159060
Strike plate 24 x 140 x 3 mm, rectangular for tubular-framed doors	left / right	Stainless steel	159052
Strike plate 24 x 140 x 3 mm, round for solid leaf doors (steel)	left / right	Stainless steel	159053
Strike plate 28 x 130 x 3 mm, rectangularfor tubular-framed doors	left / right	Stainless steel	159062
Strike plate 28 x 140 x 3 mm, rectangular for tubular-framed doors	left / right	Stainless steel	159054
Strike plate 30 x 140 x 3 mm, rectangular for tubular-framed doors	left / right	Stainless steel	159055
Adjustable lipped strike plate, can be shortened 20 x 140 x 4 mm (core dimensions), round, for solid leaf doors	left / right	Stainless steel	159063
Adjustable lipped strike plate, can be shortened 24 x 140 x 4 mm (core dimensions), rectangular, for tubular-framed doors	left / right	Stainless steel	159065
Adjustable lipped strike plate, can be shortened 24 x 140 x 4 mm (core dimensions), round, for solid leaf doors	left / right	Stainless steel	159064
Support FTV 320 24 x 200 x 1 mm, rectangular	left / right	Stainless steel	159072
Support FTV 320 24 x 200 x 3 mm, rectangular	left / right	Stainless steel	159071
Support strike plate 20 x 140 x 1 mm, rectangular	left / right	Stainless steel	159066
Support strike plate 24 x 140 x 1 mm, rectangular	left / right	Stainless steel	159067
Support strike plate 24 x 140 x 3 mm, rectangular	left / right	Stainless steel	159068
Support strike plate 28 x 140 x 1 mm, rectangular	left / right	Stainless steel	159069
Support strike plate 28 x 140 x 3 mm, rectangular	left / right	Stainless steel	159070

LOCKING ELEMENTS

FTÖ 331 emergency exit electric strike

Safe opening in the event of danger

Thanks to a break-open resistance of 7.5 kN and a compact design, the FTÖ 331 emergency exit electric strike is suitable for installation in a wide range of different door profiles depending on the strike plate variant for wood, aluminium or steel doors. FTÖ 331 opens jarring-free under high preload and is ideal for use in emergency exit systems. The door state can be evaluated via the integrated anchor and latching contact.

GEZE FTÖ 331

Area of application
- Doors along escape and rescue routes
- Emergency exits

Technical data

Product features	GEZE FTÖ 331
Height	134 mm
Width	23 mm
Depth	39 mm
Operating voltage	24 V DC
Current consumption when locked	160 mA
Operating temperature	-15 to +40 °C
Latch preload	5,000 N
Breaking resistance	7,500 N
Latch engagement depth	6 mm
DIN direction	left or right
Feedback contact	yes
Fail-safe	yes
Suitability certificate	EltVTR

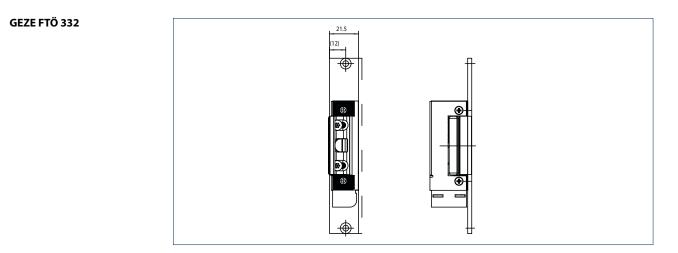**FTÖ 331 emergency exit electric strike - Order information**

Description	DIN direction	Version	ID no.
Emergency exit electric strike type 331 U incl. short flat strike plate, dimensions: 200 x 25 x 3 mm	left		027100
	right		027101
Emergency exit electric strike type 331 U incl. angled strike plate, dimensions: 220 x 30 x 48 mm	left		069604
	right		069605
Emergency exit electric strike type 331 U incl. strike plate with lock latch guide, 200 x 35 x 3 mm	left		089346
	right		089347
Emergency exit electric strike type 331 U Fafix version with short flat strike plate, 200 x 25 x 3 mm	left		103999
	right		104001
RP 220 relay board			102355
Latch lock 807 / 10 as counterpart to the emergency exit opener			076019

LOCKING ELEMENTS

FTÖ 332 emergency exit electric strike

Safe opening in the event of danger

Thanks to a break-open force of 3.0 kN and a compact design, the FTÖ 332 emergency exit electric strike is suitable for installation in a wide range of different door profiles depending on the strike plate variant for wood, aluminium or steel doors. FTÖ 332 opens jarring-free under high preload and is ideal for use in emergency exit systems. The door state can be evaluated via the integrated anchor and latching contact.

GEZE FTÖ 332

Area of application
- Doors along escape and rescue routes
- Emergency exits

Technical data

Product features	GEZE FTÖ 332
Height	69 mm
Width	20 mm
Depth	39 mm
Operating voltage	24 V DC
Current consumption when locked	100 mA
Operating temperature	-15 to +40 °C
Latch preload	3,000 N
Breaking resistance	3,000 N
Latch engagement depth	6 mm
DIN direction	universal
Feedback contact	yes
Fail-safe	yes
Suitability certificate	EltVTR

FTÖ 332 emergency exit electric strike - Order information

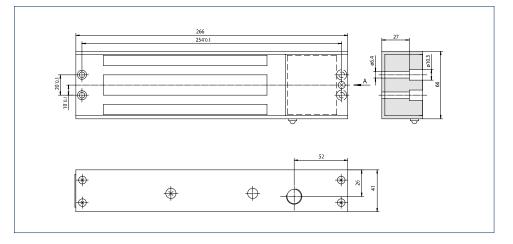| Description	DIN direction	Version	ID no.
Emergency exit electric strike type 332.80 Fafix version without strike plate	left / right		121857
Emergency exit electric strike type 332.80F with fixed latch	left / right		121858
Angled strike plate for FTÖ 332.80 and 332.80F emergency exit electric strikes	left / right	stainless steel	121869
Strike plate for FTÖ 332.80 and 332.80F emergency exit electric strikes	left / right	stainless steel	121870
RP 220 relay board			102355
Latch lock 807 / 10 as counterpart to the emergency exit electric strike			076019

ACCESSORIES

MA 500 holding magnet

For the magnetic locking of emergency exits according to the fail-safe principle

The GEZE MA 500 holding magnet is suitable for retro-fitting to fire protection doors. The holding magnet has an integrated Hall sensor for locked/unlocked signals. A bi-colour LED indicates the current state (green = locked, red = malfunction).

GEZE MA 500

Area of application

- Doors along escape and rescue routes
- Emergency exits

MA 500 holding magnet - Order information

Description	Version	ID no.
MA 500 holding magnet With counter plate	silver-coloured	024740
Installation set MA 500 hinge side	silver-coloured	024731
Installation set MA 500 opposite hinge side	silver-coloured	024732
Installation set MA 500 reveal installation	silver-coloured	025727
Flat reed contact Sensing distance approx. 10 mm	white	069288
Flat reed contact with cross hole Sensing distance approx. 10 mm	white	069606
Block reed contact with mounting base Sensing distance approx. 20 mm, for steel doors	white	069607
Reed contact set	white	106133

Accessories key switch

SCT 320 UP key switch

SCT 320 UP key switch
- Two-sided switching operation
- With Euro profile half cylinder and 3 keys
- With sabotage contact
- With ribbon cable
- Contact load: 24 V DC, 1 A
- Area of application: dry rooms
- Without frame

SCT 221 key switch

SCT 221 key switch
- One-sided switching operation
- With Euro profile half cylinder and 3 keys
- One-sided switching operation (key can only be removed in central position)
- Cover can only be removed with the key
- Light alloy housing
- IP rating: IP54

SCT 221 key switch
- One-sided switching operation
- Without Euro profile half cylinder
- One-sided switching operation (key can only be removed in central position)
- Cover can only be removed with the key
- Light alloy housing
- IP rating: IP54

SCT 220 key switch UP,
LS 990 stainless steel

SCT 220 key switch, Jung LS 990
- Two-sided switching operation
- With Euro profile half cylinder 30 / 10 and 3 keys
- With single frame
- IP rating: IP20
- Dimensions: 81 x 81 x 62.5 mm (W x H x D)

SCT 220 key switch, GIRA E2
- With Euro profile half cylinder 30/10
- With single frame
- IP rating: IP20
- Dimensions: 81 x 81 x 62.5 mm (W x H x D)

SCT 222 key switch with LED display,
flush-mounting

SCT 222 key switch with LEDs, surface mounting
- Two-sided switching operation
- With Euro profile half cylinder and 3 keys
- With aluminium front plate
- Right LED red/green, left LED yellow
- Operating voltage: 24 V DC
- Current consumption: 30 mA
- IP rating: IP54
- Dimensions: 70 x 80 x 45 mm (W x H x D)

SCT 222 key switch with LEDs, flush mounting
- Two-sided switching operation
- With Euro profile half cylinder and 3 keys
- With aluminium front plate
- Right LED red/green, left LED yellow
- Operating voltage: 24 V DC
- Current consumption: 30 mA
- IP rating: IP54
- Dimensions of front plate: 110 x 110 mm (W x H)
- Dimensions of flush mounting box: approx. 70 x 80 x 45 mm (W x H x D)

Key switch stay-put, flush mounting
- Without Euro profile half cylinder
- Fixing with claws or screws, stay-put on both sides (key can be removed in central position)
- Cover can only be removed with the key
- Light alloy housing
- IP rating: IP54

GEZE plastic elbow switch
- Very flat design
- IP rating: IP30
  H=180 mm

Order information

Description	Type of installation	Version	ID no.
SCT 320 UP key switch Two-sided switching operation, with Euro profile half cylinder and three keys	Flush mounting	alpine white	131984
	Flush mounting	pure white matt	130370
	Flush mounting	anthracite	132278
SCT 221 key switch One-sided switching operation, with Euro profile half cylinder and three keys	Flush mounting	silver-coloured	054245
	Surface mounting	silver-coloured	054533
SCT 221 key switch One-sided switching operation, without Euro profile half cylinder	Flush mounting	silver-coloured	054240
	Surface mounting	silver-coloured	054532
SCT 220 key switch, Jung LS 990 Two-sided switching operation, with Euro profile half cylinder and three keys	Flush mounting	stainless steel	094170
SCT 220 key switch, GIRA E2 Two-sided switching operation, with Euro profile half cylinder and three keys	Flush mounting	pure white matt	094012
SCT 222 key switch with LEDs Two-sided switching operation, with Euro profile half cylinder and three keys	Surface mounting	silver-coloured	100065
	Flush mounting	silver-coloured	100064
Key switch stay-put without Euro profile half cylinder	Flush mounting	silver-coloured	111357
GEZE LS 990 rocker push button	Flush mounting	stainless steel	098396
GEZE AS 500 rocker push button	Flush mounting	alpine white	120888
GEZE E2 rocker push button	Flush mounting	white RAL 9016	094013
GEZE plastic elbow switch Very flat design, IP rating IP 30, H=180 mm	Surface mounting	white	114078
	Surface mounting	stainless steel colour	114077

Accessories power supply

NET 320 power supply; 0.75 A / 24 V DC, flush mounting
- Primary voltage: 230 V AC, 50 Hz
- Secondary voltage: 24 V DC (+/- 5 %)
- Output current: 750 mA
- Power: 18 W
- Diameter: 55.7 mm
- Depth: 33 mm
- Installation in deep flush mounting box

Power supply NT 19.2 - 24; 0.8 A / 24 V DC
- Primary voltage: 230 V AC, 50 Hz
- Secondary voltage: 24 V DC
- Current consumption: 0.25 A
- Output current: 800 mA
- Power: 19.2 W
- IP rating: IP54
- Dimensions: 100 x 32 x 32 mm (W x H x D)

Power supply NT 24; 5.0 A / 24 V DC
- Primary voltage: 230 V AC, 50 Hz
- Secondary voltage: 24 V DC
- Output current: 5 A
- Power: 120 W
- IP rating: IP20
- Dimensions: 65.5 x 125.2 x 100 mm (W x H x D)
- Surface mounting installation on top hat rail

Power supply NT 24; 1.3 A / 24 V DC
- Primary voltage: 230 V AC, 50 Hz
- Secondary voltage: 24 V DC
- Output current: 1.3 A
- Power: 31.2 W
- IP rating: IP20
- Dimensions: 54 x 52 x 90 mm (W x H x D)
- Surface mounting installation on top hat rail

NET 320 power supply

Power supply NT 19.2 - 24, 0.8 A / 24 V DC

Order information

Description	Version	ID no.
NET 320 power supply 0.75 A24 V DC, flush mounting	black	139707
Power supply NT 19.2 - 24 0.8 A / 24 V DC	black	089862
Power supply NT 24; 5.0 A - 24 V DC		111182
Power supply NT 24; 1,3 A - 24 V DC		078401

Accessories synchronising unit

ST 220 service terminal
- Parameter setting and diagnosis of TZ 320, TE 220, automatic sliding and swing door systems from DCU software V3.0 and IQ windowdrives
- Battery operation with 4 x AA cells (not supplied by GEZE)
- Clear text display on an illuminated display
- Keypad for operation

ST 220 service terminal

Order information

Description	ID no.
ST 220 service terminal Parameter setting and diagnosis for TZ 320, TE 220, automatic sliding and swing door systems from DCU software V3.0 and IQ windowdrives, battery operation with 4 x AA cells (not supplied by GEZE), plain text display on illuminated panel, keypad for operation	087261

Accessories indicator lamps and signal horns

SLE 220 UP indicator lamp, green

SLE 220 UP indicator lamp, red

SLE 220 UP indicator lamp
- Reflector colour: green or red
- Operating voltage: 24 V DC
- Current consumption: 85 mA
- Switch range: Jung ST 500, alpine white

SLE 220 AP indicator lamp
- External indicator lamp for visual alarm indication
- Operating voltage: 24 V DC
- Current consumption: 85 mA
- Reflector colour: Red
- IP rating: IP20
- Dimensions: 61 x 61 x 74 mm (W x H x D)

BLE 220 AP flashlight

BLE 220 AP flashlight
- External flashlight for visual alarm indication
- Polycarbonate casing
- Reflector colour: Red
- Flashing frequency: 1 Hz ± 20 %
- Operating voltage: 20-30 V DC
- Current consumption: 90 mA
- Dimensions: 93 x 72 mm (Ø x H)
- IP rating: IP54

ACCESSORIES

SHB 220 AP signal horn with flashlight

- BLE 220 flashlight for visual and signal horn SHB 220 for acoustic alarm display
- Flashing frequency: 1 Hz ± 20 %
- Controllable volume: 7494 dB (at a distance of 1 m)
- Operating voltage: 20-30 V DC
- Current consumption: max. 110 mA at 24 V DC
- Colour SLE 220: white
- Colour BLE 220: red
- Dimensions: 111 x 97 mm (Ø x H)
- IP rating: IP54

SHB 220 AP signal horn with flashlight

SLH 220 AP signal horn

- External signal horn for acoustic alarm indication
- 26 settings for signal tone
- Volume control from 74-94 dB at a distance of 1 m with 24 V
- Operating voltage: 10-28 V DC
- Current consumption: 16 mA
- Dimensions: 111 x 25.5 mm (Ø x H)
- IP rating: IP54

SLH 220 AP signal horn

SLH 220 UP signal horn

- For acoustic signalling
- Volume control from 20-107 dB/A (at a distance of 1 m)
- Choice of 28 tones
- Operating voltage: 10-28 V DC
- Current consumption: 10 mA
- IP rating: IP54
- Installation in flush mounting boxes 62.5 mm deep
- Switch range: Jung ST 500, alpine white

SLH 220 UP signal horn

Order information

Description	Version	ID no.
SLE 220 indicator lamp	green	115936
	red	115934
SLE 220 AP indicator lamp	red	020866
BLE 220 AP flashlight	red	089353
SHB 220 AP signal horn with flashlight	red	089354
SLH 220 AP signal horn	white	072112
SLH 220 UP signal horn	alpine white	115939

Accessories emergency push buttons

NOT 320 UP emergency push button
with frame

NOT 320 UP emergency push button
- Without frame
- Impact cover made of transparent plastic
- Dimensions: Impact cover 55 x 55 mm
- Operating voltage: 24 V DC
- Current consumption: 30 mA
- 1 normally closed contact
- 1 normally opened contact
- Contact rating: 1 A, 30 V

NOT 320 AP emergency push button

NOT 320 AP emergency push button
- With Jung AS 500surface mounting cap and single frame
- Impact cover made of transparent plastic
- Dimensions: Impact cover 55 x 55 mm
- Operating voltage: 24 V DC
- Current consumption: 30 mA
- 1 normally closed contact
- 1 normally opened contact
- Contact rating: 1 A, 30 V

NOT 220 emergency push button
- In aluminium housing IP20
- With emergency exit sign arrow downwards
- 1 normally closed contact

NOT 220 AP eemergency push button, IP65
- In plastic casing
- With emergency exit sign arrow downwards
- 1 opening contact

NOT 220 emergency push button
- With single frame, Jung AS500 white
- With emergency exit sign arrow downwards
- 1 normally closed contact
- 1 normally opened contact

Order information

Description	Version	ID no.
NOT 320 UP emergency push button without frame		136571
NOT 320 AP emergency push button with Jung AS 500 surface mounting cap and single frame	alpine white	137967
NOT 220 emergency push button		123132
	green RAL 6032	024535
NOT 220 AP emergency push button, IP65		076777

POTENTIAL APPLICATIONS OF GEZE PRODUCTS

You will find more product information in the relevant brochures, see ID numbers.

Door technology

01	Overhead door closers	ID 091593, ID 091594
02	Hold-open systems	ID 091593, ID 091594
03	Integrated door closers	ID 091609
04	Floor springs and all-glass fittings	ID 091607
05	Sliding fitting systems and linear guides	ID 123605, ID 000586

Automatic door systems

06	Swing doors	ID 144785
07	Sliding, telescopic and folding doors	ID 143639
08	Curved sliding doors	ID 135772
09	Revolving doors	ID 132050
10	Activation devices and sensors	ID 142655

Smoke and heat extraction and window technology

11	Fanlight opening systems	ID 127787
12	Electric opening and locking systems	ID 127785, ID 127789
13	Electrical spindle and linear drives	ID 127785, ID 127789
14	Electric chain drives	ID 127785, ID 127789
15	Smoke and heat extraction systems	ID 127785, ID 139075

Safety technology

16	Emergency exit systems	ID 132408
17	Access control systems	ID 132158
18	Panic locks	ID 132848
19	Electric strikes	ID 148666
20	Building management system	ID 132408

Glass systems

21	Manual sliding wall systems (MSW)	ID 104377
22	Integrated all-glass systems (IGG)	ID 104366

POTENTIAL APPLICATIONS OF GEZE PRODUCTS

Door technology

The functionality, superior performance and reliability of GEZE door closers are impressive. A common design across the range, the ability to use them on all common door leaf widths and weights, and the fact that they can be individually adjusted makes their selection simple. They are continually being improved and enhanced with up-to-date features. For example, the requirements of fire protection and accessibility are fulfilled with a door closer system.

Automatic door systems

GEZE automatic door systems open up a huge variety of options in door design. The latest, innovative high-performance drive technology, safety, ease of accessibility and first class universal drive design set them apart. GEZE offers complete solutions for individual requirements.

Smoke and heat extraction and window technology

GEZE smoke and heat extraction systems and ventilation technology provide complete systems solutions combining the many requirements of different types of windows. We supply a full range from energy efficient drive systems to natural ventilation and complete solutions for supplying and extracting air, also as certified SHEVs.

Safety technology

GEZE safety technology sets the standards where preventative fire protection, access control and anti-theft security in emergency exits are concerned. For each of these objectives GEZE offers tailored solutions, which combine the individual safety requirements in one intelligent system and close doors and windows in case of danger in a coordinated manner.

Building systems

In GEZE's Building Management System GEZE door, window and safety products can be integrated in to the security and control systems of the building. A central control and visualisation system monitors various automation components in the building and offers security through many different networking capabilities.

Glass systems

GEZE glass systems stand for open and transparent interior design. They can either blend discreetly into the architecture of the building or stand out as an accentuated feature. GEZE offers a wide variety of technologies for functional, reliable and aesthetic sliding wall or sliding door systems providing security with lots of design scope.

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