GEZE SECULOGIC EMERGENCY EXIT SYSTEM
SAFETY IN EMERGENCY EXITS
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Safety first

Rescue routes and appropriate control systems are indispensable in public buildings. They are a fixed component of building planning and just as necessary for fire and personal protection as air is for breathing.

But what does a high-quality rescue route system have to do in order to save life?

It must function absolutely reliably. The quality of a rescue route system is demonstrated in many further aspects beyond these functions, which are already regulated in stringent statutory requirements.

Our GEZE SecuLogic emergency exit system provides the answer to the most important requirements towards a modern system solution.

Technology and design ...

... we join the dots.

Note

GEZE SecuLogic also comprises the following safety systems:

- **SecuLogic Access Control Systems**
  The new generation of GEZE SecuLogic access control systems offers the entire scope of services - from autonomous, easy door locking up to highly integrated security concepts for large companies.

- **SecuLogic self-locking panic locks**
  No matter whether motor lock, lever lock or mechanical panic lock: the self-locking GEZE panic locks provide you with optimal solutions for your individual safety requirements. They are the optimal supplement to your escape route concept.

- **SecuLogic Electrical Door Opener**
  The GEZE compact door openers iQ eStrike keep your doors conveniently closed. They can be used on entrance doors in single-family homes and multi-family homes, in offices and business premises or on doors used in draught lobbies. The compact door opener A5000 is also approved for use on smoke control doors without any further modification being necessary.

You will find more information on the subject of GEZE SecuLogic on the internet at www.geze.com
Reliable, proven safety
Rescue route systems save lives. This must be a one hundred percent surety. Stringent requirements are thus not only sensible, but also a necessary quality assessment. In this context, GEZE SecuLogic rescue route systems comply with the EltVTR directive, the „Directive on electronic locking systems for doors in rescue routes“ of the Deutsches Institute für Bautechnik (German Institute for Building Technology).

Highly modern technology for more functions
Modular bus technology, cordless parameterisation via infrared, simple and quick installation: These are the invisible yet important technical details that constitute the quality and safety of the GEZE SecuLogic rescue route system. At the same time, they ensure a comprehensive performance range. This begins with individual programming using variable display and signalling options and goes on to the convenient visualisation and control of an air lock system.

Systems grow - so does the GEZE SecuLogic emergency exit system
Every building has its own safety concept: Fire or alarm systems, access control, door closing systems, escape door openers or even motor locks are just a few of the many variants that can be encompassed by such a building management system concept.

It must be possible to integrate such components into the rescue route system at any time without appreciable expenditure. It therefore must grow with your requirements and reinforce your planning safety.

For the GEZE SecuLogic rescue route system, for example, this is guaranteed by the KL 220 terminal box, the TE 220/TTE220 control panel unit and the VAT 220 SN control software (virtual display and operating control panel).

Also a matter of design
Simply technology? No. In our opinion, such functionally and technically perfected products must also have a compelling design and be easy to use. That is why the new TZ 320 door control units are introduced as a concealed version in the design of the widespread and popular switch programmes 55 of the brand manufacturers, such as Berker, Feller, Gira, Jung and Merten.

When things get serious
At this moment, there can be only one motto for operating the door control units and doors on site: Clarity. Everything must be clearly recognisable and quick to operate. No ifs or buts.
GEZE SecuLogic rescue route systems put this into practical use: An emergency button with a broad, can’t-be-missed actuation area, an illuminated emergency sign and clear acoustical and optical signals are reliable helpers in an emergency at any time.

As we mentioned before: Safety first - and for GEZE this goes hand in hand with design and convenience.
GEZE Door control unit TZ 300

Door control units are the “brain” of an efficient escape route system. They secure and monitor opening and closing actions of doors in escape routes and ensure that buildings can be evacuated in seconds.

The single-door control unit TZ 300 is the entry model without networking, for simple applications in smaller buildings. The sophisticated, yet robust design, minimum dimensions and individual colour harmoniously fit into any building design. A resistant escape route sign integrated in the switch design optimises awareness of it and therefore reduces the risk of vandalism. The flat palm button can be quickly and reliably operated by anyone, even in panic situations. It enables reliable release of the illuminated emergency pushbutton.

Simple installation and planning flexibility
Thanks to the pre-assembled connection from the control unit to the key-operated switch and the emergency pushbutton already integrated in the control unit, the TZ 300 is easy to install. Connection errors are virtually excluded from the outset. The coloured installation terminals also minimise the sources of errors and ensure clarity. The colouration also means time saved on connecting the system components of the door control unit.

If requirements change or buildings are extended, which require additional functions and networked solutions, the TZ 300 can be replaced at any time by the TZ 320. The same terminal layout of both models with respect to the wiring with the locking element, e.g. with a magnetic clamp or emergency exit opening, enables effortless replacement of the control. The simple installation diagram enables fitters to immediately connect the TZ 300 without prior product instruction. In an emergency, everyone can rely on the door control units from GEZE. They are safety tested in accordance with ELTVTR.

Concealed, flush-mounted solutions with the attractive switch product ranges
Due to the small overall depth of the control, the flush-mounted solution of the TZ 300 can be easily and conveniently mounted in a standard flush-type switch box. The three-box solution requires minimum installation effort, as only two elements have to be wired, namely the door control unit with the locking element. All components, such as the escape route sign, the control and the power supply are completely integrated in the flush-type box. There are no resulting projecting components to impair the visual continuity of the building. Available in the design of the leading “55” switch product ranges, e.g. Gira, the flush-mounted version of the TZ 300 adapts to the existing switch design in the building.

Surface-mounted solutions – not only for retrofitting
The surface-mounted TZ 300 is the simplest and most uncomplicated option for securing a door. It is a welcome solution for building retrofits or for concrete or steel façades. The rounded housing of the control unit with integrated emergency sign contains all the functional elements. Compact and with dimensions of only 77x197x90 mm (b/h/d), the surface-mounted version requires very little space for installation and is ideal if there is limited available space on the door. The two-piece housing with mounting plate and control enables pre-assembly and installation without any other previous knowledge. If necessary, assembly groups are easily replaced.

Ordering information

<table>
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<th>Description</th>
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GEZE Door control unit TZ 320

The TZ 320 door control unit secures and monitors the opening and closing procedures of escape doors in rescue routes. The escape door is unlocked directly on site (emergency button) or indirectly (signal through connected safety components, such as smoke detectors or alarm systems).

The TZ 320 adapts to the different requirements of any route concept. Among other things, this is ensured by the individually selectable construction (1, 2 or 3 boxes) and its uncomplicated function as an air lock system. With a new design, easy installation and operation and with convenient control functions, it is not just the latest state-of-the-art technology but it also satisfies all of the requisite safety regulations.

**Product features**
- Flexible concept: Available as individually adapted 3, 2 or 1 box solution
- Available as concealed or exposed version
- Concealed version:
  - Suitable for all switch programmes 55, such as Berker, Feller, Gira, Jung and Merten
  - Appealing design
  - Numerous inputs and outputs for more functions
  - Easy assembly through clearly separated connections
  - Parameters are set using the ST 220 service terminal
  - Operation through integrated power unit
  - Complies with EltvTR
  - Fully compatible with the predecessor version TZ 220

**Range of applications**
- Monitors escape doors with network functions
- Controls air locks in the course of escape routes

**Key-operated switch**
- With key switch cover in switch programmes
- Tamper-proof
- Colours: anthracite and white
- Similar to figure

**Emergency sign**
- Optionally illuminated or non-illuminated
- Simple connection via ribbon cable
- Additional adhesive frame for 70 x 70 mm

**TZ 320 UP, Control unit with emergency button**
- Protrudes clearly and is illuminated: thus noticeable, easy to reach and can be securely triggered
- Also easy to operate for users with limited movement
- Three LED displays: Lock, door release and alarm
- Integrated timer: Start/end times and weekdays can be adjusted
- Tamper-proof
The TZ 320 is flexible. Its comprehensive connection and control possibilities enable convenient expansion to a network. Examples of connectable components are:

- Access control system (ZuKo)
- Door opener/motor lock (iQ Lock EL)
- Burglar alarm system (EMA)
- Fire alarm system (BMA)

This also includes the co-ordination and management of the closing and opening procedures of several (escape) doors ("air lock regulation"). The optional ST 220 service terminal or even a PC (with infrared adapter) makes this possible.

**Bi-directional emergency exit route**

To secure a door with two directions of escape, the terminal T 320 is connected to the door control unit TZ 320 via an internal bus. This allows the door to be released safely from both sides via an emergency push button in the event of a hazard. The door can be controlled via the terminal T 320 and via the door control unit TZ 320. This allows authorised passage to take place via the integrated key switch.

### Order Information

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Further colours and switch manufacturers upon request.
GEZE Door control unit TZ 320 with KL 220 terminal box

More inputs and outputs, more possibilities: Together with the KL 220 terminal box it is possible to use the TZ 320 door control unit even more intensively. The additional inputs and outputs of the terminal box make it possible to connect more devices, which means the range of use can be expanded by, e.g. revolving door drives, fire alarm systems or burglar alarm systems. The associated terminal box is connected to an intrasystem bus. This provides an own, more powerful power unit, additionally parameterisable inputs and outputs and thus greater possibilities for use. The matching design for the widespread switch programmes 55 complements the profile.

Product features
- Variable: 7 inputs, 8 outputs
- Available as concealed or exposed design; can be also installed in the hood attachment of a revolving door drive
- Forwarding of: alarm, locked/open condition, door latch activation, bolt extended
- System is set using the ST 220 service terminal

Range of applications
- Monitors escape doors in rescue route systems with greater system component requirement
- Controls air locks in the course of escape routes

Combinations
The terminal box increases the number of parameterisable input and output. This provides system components with more utilisation and connection possibilities.

Order information

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GEZE Control panel TE 220/TTE 220

The TE 220/TTE 220 is a convenient control section to lock or unlock several doors (up to 20). Not only is it possible to specify the duration of the locking/unlocking (short or permanent unlocking), but doors can be also collected into groups and thus controlled jointly. The optional emergency button can be used to centrally release the doors.

Product features
- Optionally as wall or table control panel
- Optionally with emergency button to unlock all connected doors
- With key-operated switch to block unauthorised access
- Display of alarm or door condition
- Modular construction: Master and slave control panel(s) with task distribution control/display; easily expandable
- System is set using the ST 220 service terminal

Range of applications
- Controls and manages up to 20 escape doors, individually or in groups
GEZE SecuLogic emergency exit system

GEZE SECULOGIC RWS

Order information

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<td>GEZE Slave panel</td>
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Accessories

GEZE display indicator board VAT 220 SN
The VAT 200 SN visualisation software permits the control and operation of 504 doors (distributed across 8 bus lines). The VAT 220 SN can function as a central as well as a parallel control section. A maximum of 63 doors can be connected to each of the 8 bus systems. Additional TE 220/TTE 220 control panel units can be connected, thus setting up more control sections. A classical server-client relationship is eliminated, because the VAT 220 SN can conveniently control all of the doors of the system centrally without having to detour over servers. Moreover, thanks to the OPC interface (see box on the left), easy communication between devices from different manufacturers is guaranteed.

Product features
- Scalable up to 504 doors
- Clear, easy to operate user interface
- Central locking and unlocking of all doors without the necessity of a server system
- With OPC interface and OPC certified
- Display of alarm or door condition
- Password protection
- Individual control possibilities:
  - specific locking and unlocking of all as well as individual doors
  - unlocking of all connected doors via central emergency button
  - operation memory with record function

Range of applications
- Large buildings, e.g. shopping malls, hotel complex or hospitals
- Multi-door systems at several levels

OPC = OLE for Process Control
Software interface for secure data exchange of industrial bus systems and protocols of different manufacturers such as in automation technology. GEZE uses OPC in rescue route systems in order to transmit data to higherlevel building systems.

Order information

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Accessories

**GEZE Service terminal ST 220**
Mobile, handy, uncomplicated: Use the ST 200 service terminal to set all of the parameters and functions of all components of the rescue route system: the door control unit 320, the terminal box KL 220 and the control panel unit TE 220/TE 220.
The integrated infrared interface of the ST 200 communicates over the corresponding interfaces in the rescue route system components.

**Product features**
- Handy, because of compact dimensions: 80 x 125 x 37 mm (W x H x D)
- Large, illuminated display with clear text display
- Read-out function for maintenance and diagnostic tasks
- Battery operation with 4 micro cells
- Automatic cut-off
- Protection class IP 40
- Colour: Green-blue (similar to RAL 5020)

**Order information**

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<td>GEZE surface-mounted rack for escape route information sign</td>
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**Overview of switch product range**

For further information regarding the switches at company Feller, please ask:
GEZE Schweiz AG
Bodenackerstrasse 79
4657 Dulliken
Tel. +41-(0)62-2855400
Fax +41-(0)62-2855401
E-Mail: schweiz.ch@geze.com

**Order information**

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<td>Jung LS 990</td>
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Can also be integrated into the systems of the following brand manufacturers:
- Berker: B1, B3, B7, S1
- Merten: System M
GEZE cannot supply the associated frames.
References

Robert Bosch Hospital, Stuttgart, Germany

Shopping centre Fünf Höfe, Munich, Germany
References

Vitra Haus, Weil am Rhein, Germany

Vitra Haus, Weil am Rhein, Germany
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  
ID 091607 |
|                 | 05 | Sliding door gear systems and linear guides  
ID 123605, ID 008770, ID 000586 |
| Automatic door systems | 06 | Swing doors  
ID 144785 |
|                 | 07 | Sliding, telescopic and folding doors  
ID 143639 |
|                 | 08 | Circular and semi-circular sliding doors  
ID 135772 |
|                 | 09 | Revolving doors  
ID 132050 |
|                 | 10 | Actuation 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 |
|                 | 23 | GEZE Patch fittings mono glass systems  
ID 122521 |
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. A dedicated division is responsible for the development and construction of individual special designs.

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 into 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.