SAFETY TECHNOLOGY

Access control

Contents

Installation situation, GCVR 800 Touch T, Germany (photo: GEZE GmbH)

OVERVIEW

ACCESS CONTROL	GCER 300	GCER 300 LIGHT	Toplocks
AREAS OF APPLICATION			
Networked access control system	–	–	–
Stand-alone operation	●	●	●
Inside	●	●	●
Outside	●	–	●
MANAGEMENT POSSIBILITIES			
Online access points (readers)	–	–	–
Max. number of personal master records	200	200	5
Max. doors for door control/monitoring	2	1	1
ACCESS AUTHORISATION			
	RFID ID card or personal PIN	RFID ID card or personal PIN	Personal PIN
PRODUCT FEATURES			
Online networking	–	–	–
No external control unit needed	●	●	●
Easy authorisation release and management via master cards or PIN keypad on reader	●	●	●
Temporary or permanent release function	●	–	–
Authorisation and deletion of individual RFID ID cards or PINs via master cards	●	●	–
RFID entry level variants at attractive prices	●	●	–
Browser-based application with intuitive interface			
Easy and time-saving parameter setting			
Client management for buildings with several tenants			
Personal and ID card management			

● = YES

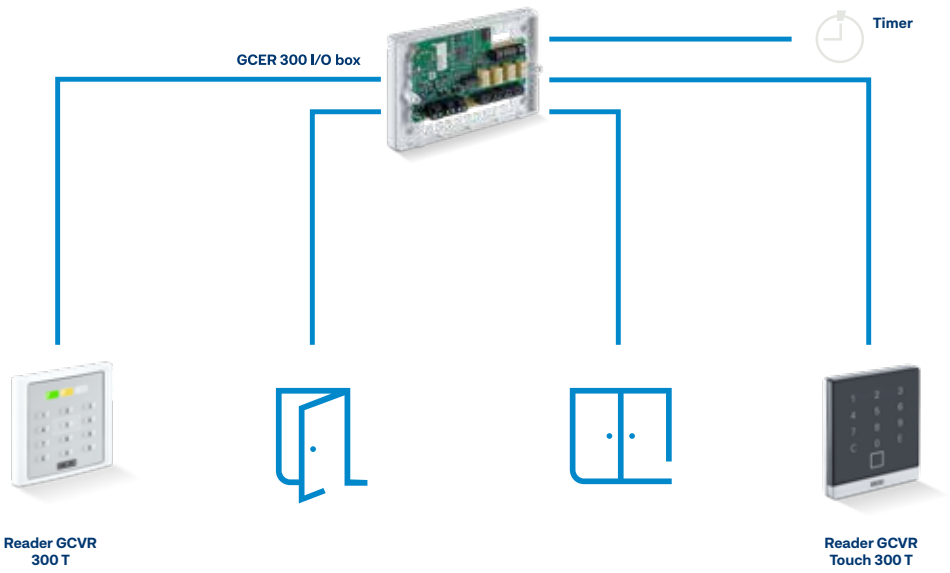
SAFETY TECHNOLOGY

Access control

Access control systems will enable you to ensure that only authorised people are allowed to enter your building. Only you get to determine who can enter your building – or certain areas within – how and when. Use our extensive and intelligent solutions to protect your building from unauthorised access. We offer you state-of-the-art, reliable identification methods and efficient control units – because it concerns the safety of people, valuables and data.

GCER 300

Access control system as stand-alone solution
for up to two doors



AREAS OF APPLICATION

- Door control and monitoring of up to two doors
- Interior and exterior areas (GCER 300 Light for interior areas only)

PRODUCT FEATURES

- Up to 200 access authorisations via contactless readable transponder or personal PIN
- User-defined functions such as short-term release or permanent release (only for GCER 300 I/O box)
- Authorisation and deletion of individual transponders or PINs via master cards

SYSTEM DESCRIPTION

The **GCER 300** access control system offers simpleauthorisation assignment and management via the corresponding master cards and the PIN keyboard on the reader. Up to 200 users can be managed and in case of loss or defect of ID cards, they can be deleted individually from the system. Access authorisation is granted either via an ID card or alternatively via a 4 to 6-digit personal PIN. In addition to the short-term release, the toggle function is also possible.

GCER 300 Light is ideal for controlling an interior door. The door can be activated directly from the reader via a relay on the reader, eliminating the need for an external control unit and making connection considerably easier.

GCER 300 2-door access control system consists of the **GCER 300 I/O box** and a **GCER 300 RFID reader**, which can optionally be supplemented by an additional reader. The connected readers are provided with two inputs and two outputs each for door control and door monitoring, so that an additional release button can be connected for each door. Blocking inputs can be defined by means of DIPswitches. This makes it possible to implement the interlocking door system and dementia function (protection of persons with a tendency to run away).

Hardware

GCER 300 LIGHT

- Access control solution for monitoring and controlling one door
- Suitable for interior areas
- RFID reader with PIN keypad and integrated relay

TECHNICAL DATA

	GCER 300 Light (ID 185710)
Dimensions	Flush-mounted 80 x 80 x 11 mm / surface-mounted 80 x 80 x 40 mm
Type of installation	flush-mounted (surface-mounted: frame no. 130024 necessary)
Frequency	13.56 MHz, ISO 14443 A
Operating voltage	8 to 30 V DC
Connection type	Clip connectors pluggable
1x relay output max.	30 V DC / 1 A

GCER 300 I/O BOX

- Access control solution for monitoring and controlling one or two door(s)
- Creation and management of up to 200 persons
- Access authorisations through ID card or 4-6 digit PIN code
- The system supports RFID identification media in the 13.56 MHz range (ISO14443A)
- Access authorisations can be created quickly and easily, and deleted as well

TECHNICAL DATA

	GCER 300 I/O Box (ID 185707)
Function	Door control and monitoring
Installation	Simple surface-mounted installation
Connection type	Screw/plug-in terminals
Dimensions (W x H x D)	150 x 100 x 36 mm
Operating voltage	8 to 30 V DC
Maximum power consumption	1.5 VA
Interfaces	1 x RS485 host not galvanically isolated 1 x RS485 slave (reader) not galvanically isolated
Outputs	4 outputs (relay contact) Switching voltage: 30V/DC I Switching current: 1 A/DC
Inputs	4 x inputs (only connect potential-free contacts)
Sabotage contact	Detects housing cover removal
Tamper-proof contact	Detects removal of entire device if housing cover is closed
Service temperature	-20 °C to +60 °C
IP rating	IP30 in housing (acc. to EN 60529)

GCVR 300 T READER

- RFID reader for GCER 300 access control
- Interior and exterior area (IP54)
- Non-secured exterior area
- Secured interior area
- Surface- or flush-mounted installation
- Read-out of access authorisations
- Encrypted data communication with the door control unit
- Optical and acoustic signalling

TECHNICAL DATA

	GCVR 300 T reader flush mounting (ID 185708)
RFID technologies	MIFARE DESFire EV1 / MIFARE Classic
Keypad	Yes
Signal elements	3 LEDs, green, yellow, red 1 Piezo buzzer
Installation	Simple flush/surface-mounted installation
Connection type	Pluggable 4 pole WAGO picoMAX eCOM clip connector
Main dimensions (W x H x D)	Flush-mounted 81 x 81 x 21 (11) mm Surface-mounted 81 x 81 x 40 mm
Operating voltage	8 to 30 V DC (internal reverse polarity protection)
Max. power consumption	1.7 VA
Interfaces	1 x RS485 (2-wire), not galvanically isolated Set address via DIP switch (connectible terminating resistor)
Outputs	none
Service temperature	-20 °C to +60 °C
IP rating	At the front (in mounted state) IP54 The seal against the installation wall determines the maximum achievable IP rating IP54.

GCER AP SURFACE-MOUNTED FRAME

- Surface-mounted frame for the optional surface-mounted installation of GCVR 800/800T and GCER 300 RFID reader
- For wall, façade and metal construction
- Straightforward installation of RFID readers
- Alternative to flush-mounted installation

TECHNICAL DATA

	GCER AP surface-mounted frame (ID 130024)
Housing dimensions (W x H x D)	80 x 80 x 30 mm
Total depth with reader	40 mm

WEATHER PROTECTION ROOF GCVR 300, 800 (ID 163521)

- Weather protection for RFID readers
- Surface-mounted installation of RFID readers on wall, façade and metal structures
- Stainless steel material
- With protective flap

GCVR 300 TOUCH T FOR FLUSH-MOUNTED I/O BOX AND GCVR 300 TOUCH T SURFACEMOUNTED READER

- RFID reader for GCER 300 access control
- Interior and exterior area (IP54)
- Non-secured exterior area
- Secured interior area
- Surface- or flush-mounted installation
- Read-out of access authorisations
- Encrypted data communication with the door control unit
- Optical and acoustic signalling

TECHNICAL DATA

	GCVR 300 Touch T for flush-mounted I/O box UP (ID 187108)	GCVR 300 Touch T surface-mounted reader (ID 187122)
Dimensions	Flush-mounted 101 x 88 x 35 (21) mm	Surface mounted 101 x 88 x 41 mm
Type of installation	FM Flush mounting	SM Surface mounting
Frequency	13.56 MHz, ISO 14443 A+B	
Operating voltage	8 to 30 V DC	
Connection type	8 pole screw/plug-in terminal	
IP rating	IP54 at the front (when mounted)	

Accessories

RFID ID CARD MIFARE DESFIRE EV2

- Authentication at access points
- RFID frequency 13.56 MHz
- Encrypted data communication

TECHNICAL DATA

	RFID ID card MIFARE DESFire EV2 (ID 185711)
Chip card technology	MIFARE DESFire EV2
Frequency	13.56 MHz

GCER 300 MASTER SYSTEM DATA

- RFID ID card for administration of access authorisations
- RFID frequency 13.56 MHz
- Encrypted data communication

TECHNICAL DATA

	GCER 300 master system card (ID 185713)
Chip card technology	MIFARE
Frequency	13.56 MHz

RFID KEY FOB

- Authentication at access points
- RFID frequency 13.56 MHz
- Encrypted data communication

TECHNICAL DATA

	RFID key fob (ID 185712)
Chip card technology	MIFARE DESFire EV2
Frequency	13.56 MHz

ORDER INFORMATION

Designation	**Version**	**ID no.**
GCER 300 access control for 1 or 2 doors		185714
GCER 300 Light – 1 door access control	grau	185710
GCER 300 I/O Box	grau	185707
GCVR 300 T reader flush mounting	grau	185708
GCER AP surface-mounted frame	grau	130024
Weather protection roof GCVR 300, 800		163521
GCVR Touch 300 T for flush-mounted I/O Box		187108
GCVR 300 Touch T surface-mounted reader		187122
ACCESSORIES		
RFID ID card MIFARE DESFire EV2		185711
GCER 300 master system card		185713
RFID key fob		185712

Number code locks

NUMBER CODE LOCKS WITH CAST HOUSING AND METAL KEYPADS AS VANDALISM PROTECTION

The TOPLOCK number code locks are a simple access control option which needs neither keys nor passes. Doors can only be opened when the correct number code has been entered, making 'lockout' practically impossible.

The CTI variants are particularly suitable for internal applications, since the activating relay is fitted directly to the reader. Installation and connection are made much easier since no control unit is needed. The CTS variants are ideal for external applications, since the external control unit makes them manipulation-proof and they also have a sturdy metal keypad. A master code is used to enter up to 5 code numbers, each a maximum of 6 digits, via the keypad. Once the data has been entered, it will remain stored even in the case of a power failure.

Toplock CTI

Toplock CTI B with lighting

Toplock CTS V with metal keypad

Toplock CTS BV with lighting

OVERVIEW

	Toplock CTI	Toplock CTI B with lighting	Toplock CTS V with metal keypad	Toplock CTS BV with lighting
Operating voltage	12/24 V DC / 12 V AC	12/24 V DC / 12 V AC	230 V AC	230 V AC
Output	potential-free normally opened contact 24 V DC 1 A	potential-free normally opened contact 24 V DC 1 A	potential-free relay output 250 V 5 A	potential-free relay output 250 V 5 A
IP rating	IP65	IP65	IP65 (keypad), IP43 (evaluating unit)	IP65 (keypad), IP43 (evaluating unit)
Dimensions	80 x 80 x 15 mm	60 x 126 x 22,5 mm	80 x 80 x 15 mm bzw. 110 x 188 x 40 mm	60 x 126 x 22,5 mm or 110 x 188 x 40 mm

ORDER INFORMATION

Designation	ID no.
Toplock CTI, number code lock with integrated evaluating unit	090061
Toplock CTI B, illuminated number code lock with integrated evaluating unit	090063
Toplock CTS V, number code lock with external evaluating unit, metal keypad for increased protection against vandalism	090077
Toplock CTS V, illuminated number code lock with external evaluating unit, metal keypad for increased protection against vandalism	090079

We are GEZE.

For liveable buildings

GEZE stands for innovation, high quality and comprehensive support of building technologies. From the initial idea, planning and operational implementation with standard products to customised system solutions and individual service and maintenance plans. We offer an extensive product range of door, window and safety technology products and are a major driving force behind the digital networking of building automation.

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