



GEZE ACTUATION DEVICES AND SENSOR SYSTEMS  
PERFECTLY CONTROLLED AUTOMATIC DOOR DRIVES



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## GEZE radar movement detector GC 302

### Radar movement detector for controlling automatic doors

The GEZE GC 302 is used on internal and external automatic doors. Due to the pre-programmed settings, commissioning is fast and convenient. The detector can be configured using a key or remote control. The radar field is clearly defined (narrow field, wide field) and guarantees reliable detection. The integrated motion tracking feature even identifies slow movements, which is useful for people with restricted mobility. Special features include the detection of people's direction of movement and the fading out of cross-traffic. These mean external doors can contribute to energy saving, because the opening impulse is not triggered by people walking past the door.

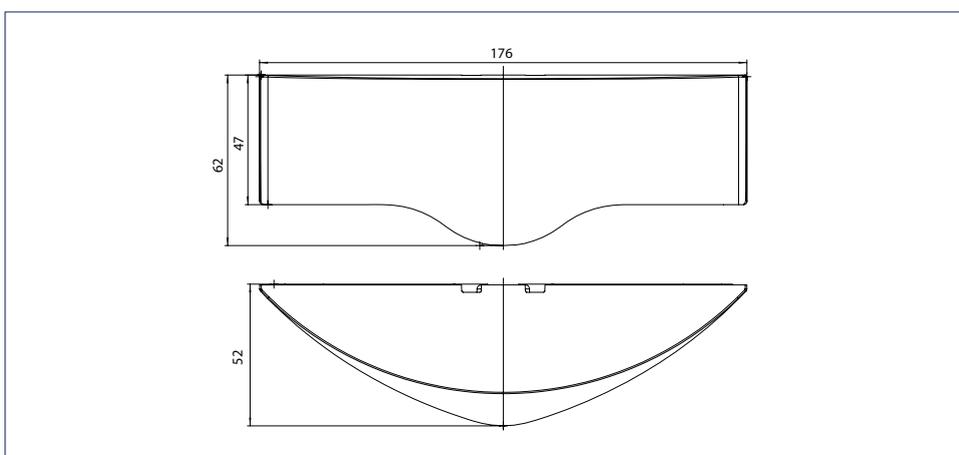
#### Special version

GC 302 SV: offers maximum security due to integrated self-monitoring, and is thus approved for use in emergency exits.

### GEZE GC 302



### GEZE GC 302

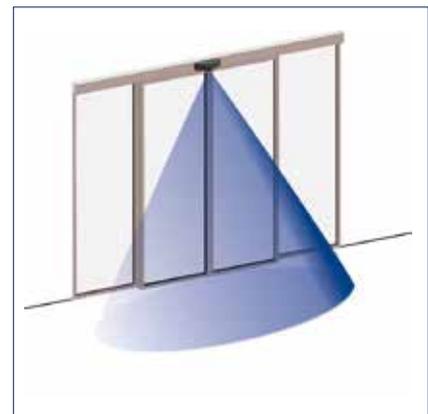
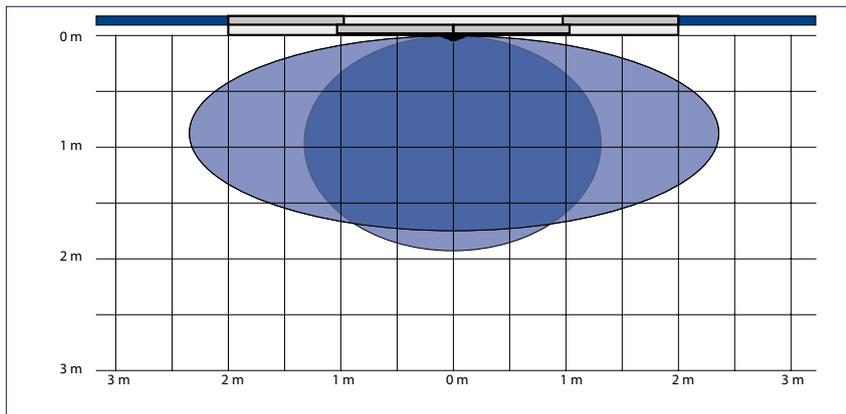


#### Application range

- Actuation of automatic swing, sliding, folding, revolving and circular sliding doors
- Use on pavements and in passages so that passing persons do not trigger an opening impulse
- Use in homes for the elderly and care homes, so that even very slow-moving people and wheelchair users are safely identified
- Version SV: for use in emergency exits

**Technical data**

Product features	GEZE GC 302
Technology	Electromagnetic radar waves
Transmission frequency	24,125 GHz
Operating voltage	12-36 V DC / 12-28 V AC
Operating current	approx. 50 mA at 24 V DC
Output	GC 302 R: potential-free relay output, 48 V AC/DC, 0.5 A AC/1 A DC, 60 VA/30 W GC 302 SV: voltage output < 10 V DC, 10 mA at 3.2 V DC, output current available: no detection/no fault, output current < 3 V DC or no current: detection or fault
Connection type	Push-fit screw terminal
Height	62 mm
Width	176 mm
Depth	52 mm
Installation height (max.)	4000 mm
Connection cable	5000 mm
Weight	150 g
IP rating	IP 54
Operating temperature	-20 – 60 °C
Humidity	0-90 % relative, non-condensing
Approvals	DIN 18650

**Detection area and application example**

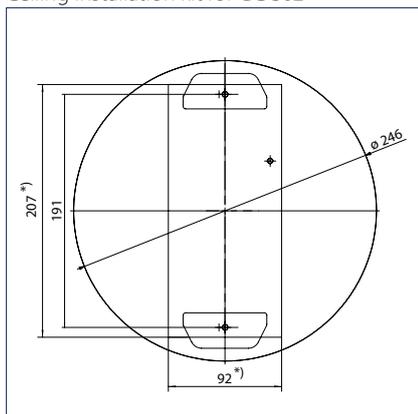
**Narrow field (1):** min. 0.7 x 0.6 m (W x D), max. 2.7 x 1.9 m (W x D)

**Wide field (2):** min. 1.1 x 0.6 m (W x D), max. 4.7 x 1.7 m (W x D)

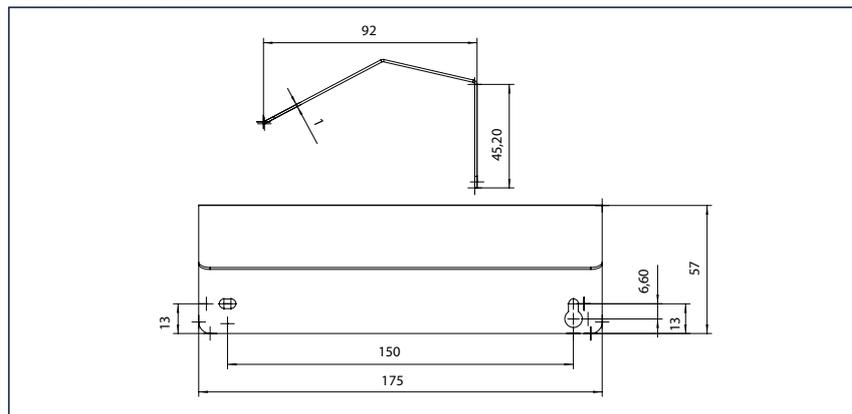
Given values measured at installation height 2.2 m and inclination angle 35°

## Dimensional drawings for accessories

Ceiling installation kit for GC 302



Rain cover for GC 302



\* = Ceiling cut-out

## GEZE GC 302 - Order information

Description	Version	ID.No.
Radar movement detector GC 302 R	black	124087
Radar movement detector for controlling automatic doors	acc. to RAL	124088
Radar movement detector GC 302 SV	black	124089
For the actuation of automatic doors in the escape direction	acc. to RAL	124090
<b>Accessories</b>		
Rain cover GC 302	EV1	115339
Protection against rainfall in the outdoor area		
Ceiling installation kit GC 302	white	115384
Installation kit for integrating the sensor into the ceiling		
Remote control GC 302, GC 332	red	099575
Setting and parameterizing of GC 302, GC 332, Jupiter and Presence S		

## GEZE radar movement detector GC 304

### Radar movement detector with individual setting possibilities for actuating automatic doors

The GEZE GC 304 is used on internal and external automatic doors. Due to individual setting possibilities, the detector can be configured for demanding environmental conditions e.g. for double door systems, circular sliding doors and metal environments. Configuration can be carried out via keys or a remote control. The detector radar field is clearly defined (narrow field, wide field) and guarantees reliable detection even with difficult floor conditions (e.g. reflective floor, floor mat). The integrated motion tracking feature even identifies slow movements, which is useful for people with restricted mobility. The detection of people's direction of movement and fading out of cross-traffic can contribute to energy saving, because the door's opening impulse is only triggered if necessary.

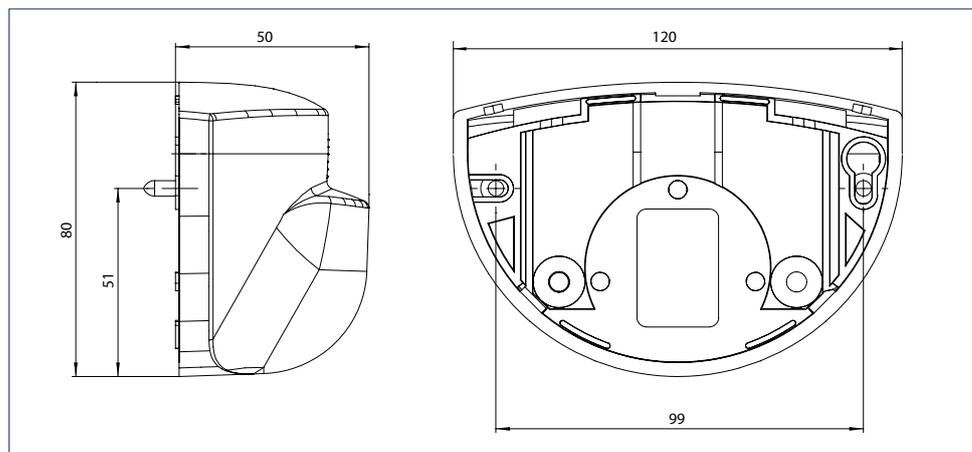
#### Special version

GC 304 SF: offers maximum security due to integrated self-monitoring, and is thus approved for use in emergency exits.

#### GEZE GC 304



#### GEZE GC 304



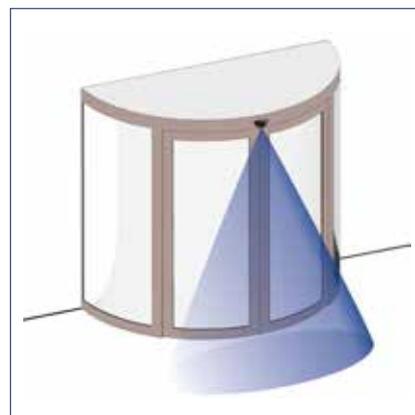
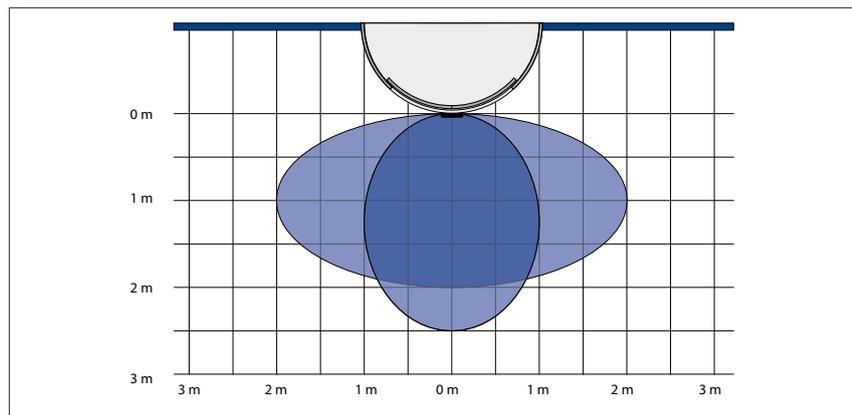
#### Application range

- Actuation of automatic swing, sliding, folding, revolving and circular sliding doors
- Use on pavements and in passages so that passing persons do not trigger an opening impulse
- Use in homes for the elderly and care homes, so that even very slow-moving people and wheelchair users are safely identified
- Version SF: for use in emergency exits

## Technical data

Product features	GEZE GC 304
Technology	Electromagnetic radar waves
Transmission frequency	24,175 GHz
Transmission frequency	GC 304 R: 24,175 GHz, GC 304 SF: 24,150 GHz
Operating voltage	12-24 V DC/AC
Operating current	approx. 85 mA at 24 V DC
Output	GC 304 R: potential-free relay output, 42 V AC/60 V DC, 1 A, 60 VA/30 W GC 304 SF: frequency output, transistor ON: 100 mA, transistor OFF: < 200 mA
Connection type	System plug-type connector
Height	80 mm
Width	120 mm
Depth	50 mm
Installation height (max.)	4000 mm
Connection cable	5000 mm
Weight	215 g
IP rating	IP 54
Operating temperature	-20 – 55 °C
Humidity	< 90 % relative, non-condensing
Approvals	DIN 18650

## Detection area and application example



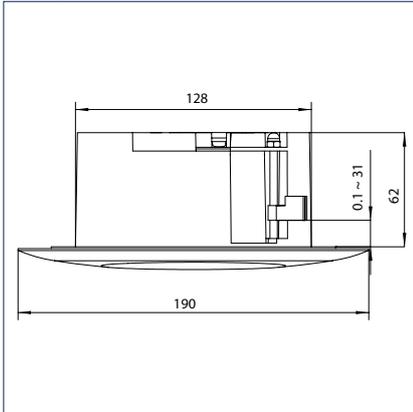
**Narrow field (1):** min. 0.5 x 0.75 m (W x D), max. 2.0 x 2.5 m (W x D)

**Wide field (2):** min. 1.0 x 0.5 m (W x D), max. 4.0 x 2.0 m (W x D)

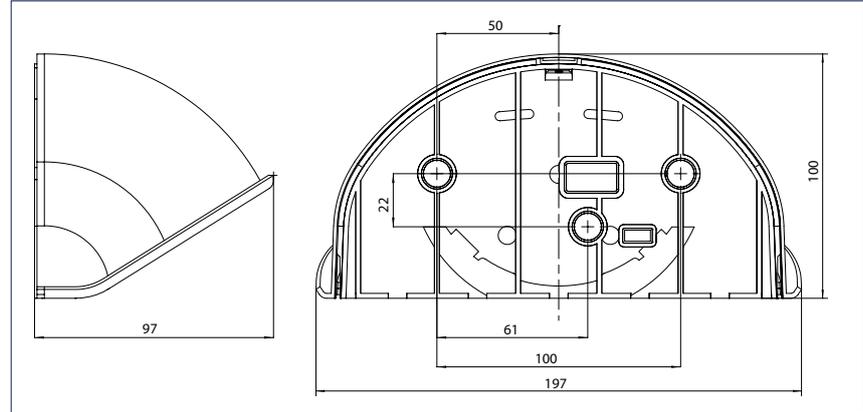
Given values measured at installation height 2.2 m

**Dimensional drawings for accessories**

Ceiling installation kit for GC 304



Rain cover for GC 304



\* = Ceiling cut-out

**GEZE GC 304 - Order information**

Description	Version	ID.No.
GC 304 R radar movement detector Radar movement detector with individual setting possibilities for actuating automatic doors	black	130651
Radar movement detector GC 304 SF For the actuation of automatic doors in the escape direction	black	130652
<b>Accessories</b>		
Rain cover GC 304 Protection against rainfall in the outdoor area	transparent	130654
Ceiling installation kit GC 304 Installation kit for integrating the sensor into the ceiling	black	130653
Remote control GC 363, GC 339, GC 362, GC 333, GC 304, Activ S GE Setting and parameterizing of GC 363, GC 339, GC 362, GC 333, GC 304 and Activ S GE	black	100061

## GEZE Combined detector GC 363

### Combined detector for the actuation and protection of automatic sliding doors

Combined detectors are radar movement detectors using an infrared light curtain. The GEZE GC 363 fulfils the demands for the actuation and safeguarding of automatic sliding doors in accordance with DIN 18650 and EN 16005. The sensor can be used for inside and outside areas. It guarantees reliable detection with direction detection even in sensitive environments e.g. with reflective floors and HF lamps. The field size and immunity parameters can be used to set up cross-traffic fade-out to prevent doors opening unintentionally in narrow shopping arcades. Installation effort is reduced thanks to the combination of actuation and safeguarding in one device. Individual attachment possibilities through wall, ceiling or integrated ceiling recess installation provide lots of design freedom. The system is commissioned via remote control.

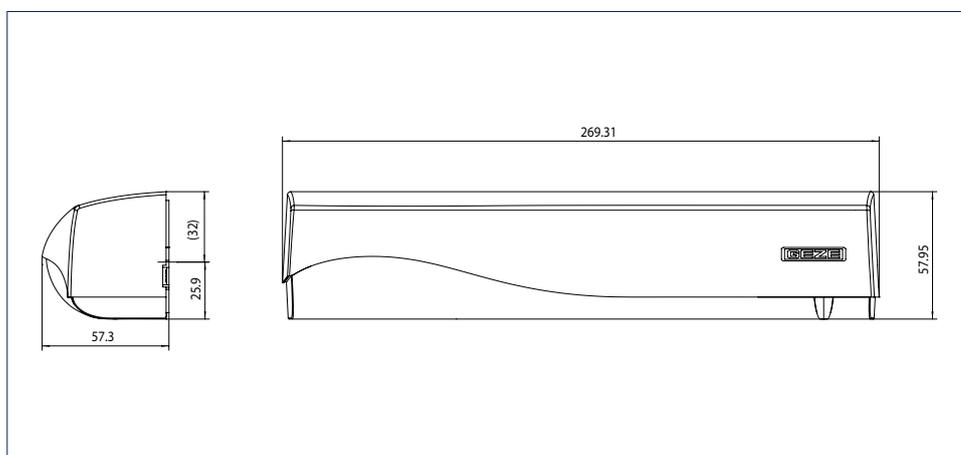
#### Special version

GC 363 SF: offers maximum security thanks to integrated self-monitoring, and is thus approved for use in emergency exits.

#### GEZE GC 363



#### GEZE GC 363

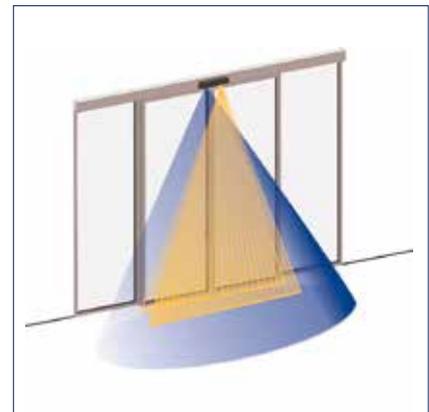
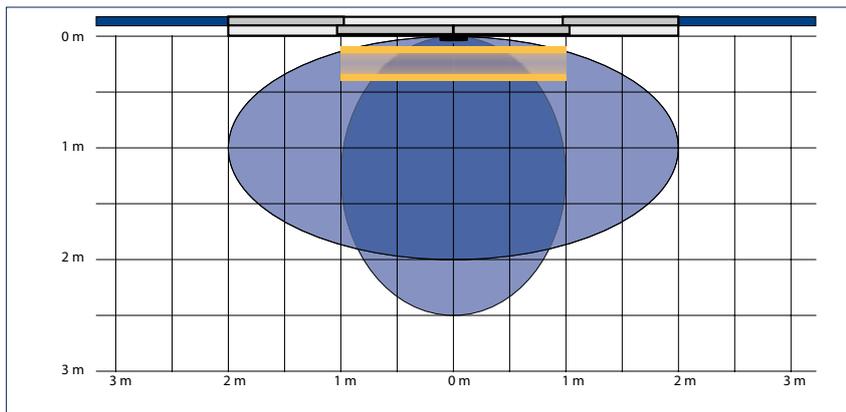


#### Application range

- Actuation and safeguarding of automatic sliding doors
- Version SF: for use in emergency exits

**Technical data**

Product features	GEZE GC 363
Technology	Electromagnetic radar waves/active infrared beams
Operating voltage	12-24 V DC/AC
Operating current	approx. 125 mA at 24 V DC
Output	Radar GC 363 R: relay (potential-free contact), 42 V DC max. switching voltage, 1 A max. output current Radar GC 363 SF: transistor (opto-coupler, potential-free), 42 V DC max. switching voltage, 100 mA max. output current Light curtain: electric relay, 42 V DC max. switching voltage, 100 mA max. output current
Connection type	System plug-type connector
Height	58 mm
Width	270 mm
Depth	58 mm
Installation height (min.)	2000 mm
Installation height (max.)	3500 mm
Connection cable	2600 mm
Weight	250 g
IP rating	IP 54
Operating temperature	-25 – 55 °C
Humidity	0-95 % relative, non-condensing
Approvals	DIN 18650, EN 16005

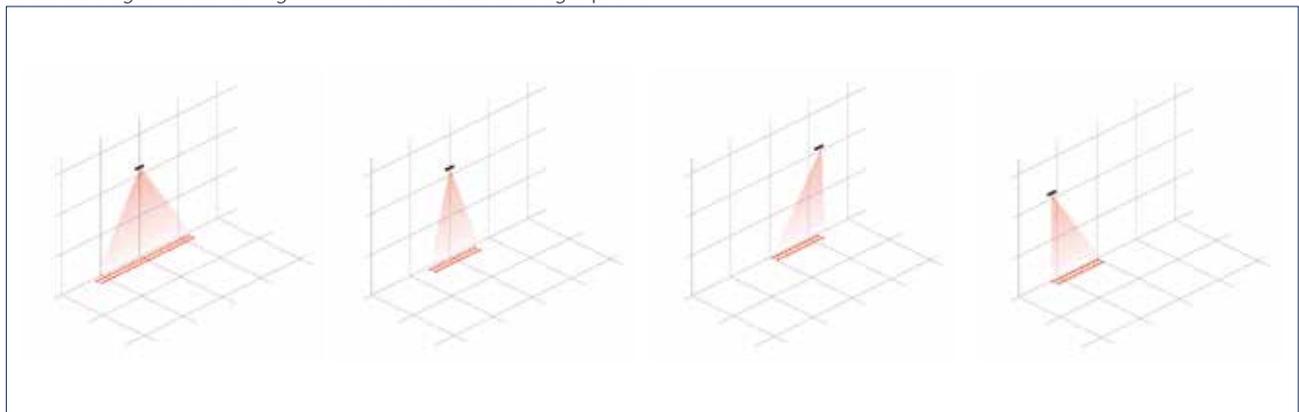
**Detection area and application example**

**Radar field** Narrow field (1): 2.0 x 2.5 m (W x D), wide field (2): 4.0 x 2.0 m (W x D)

**Active infrared light curtain** Narrow field: 0.36 x 0.35 m, wide field: 2.2 x 0.35 m (W x D)

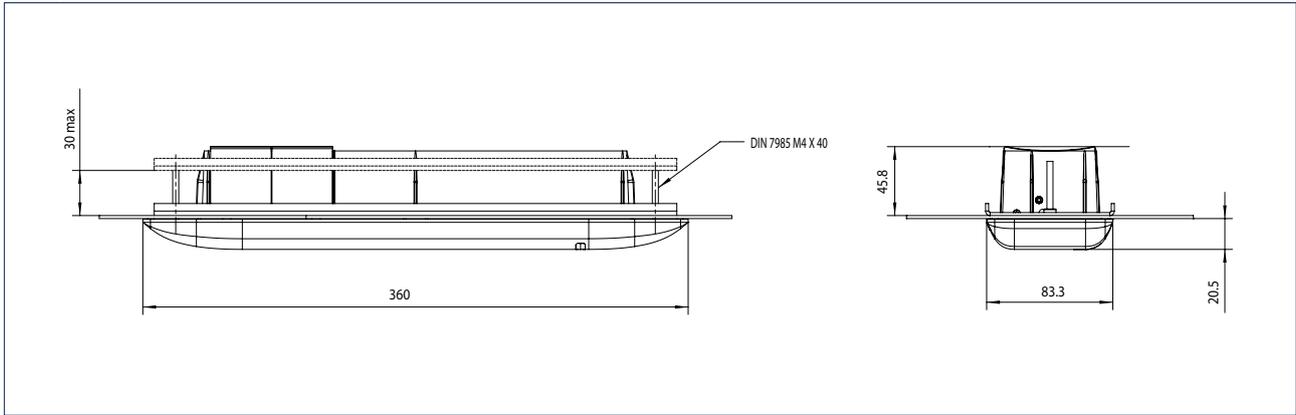
Given values measured at installation height 2.2 m

10 settable light curtain configurations without additional light prisms

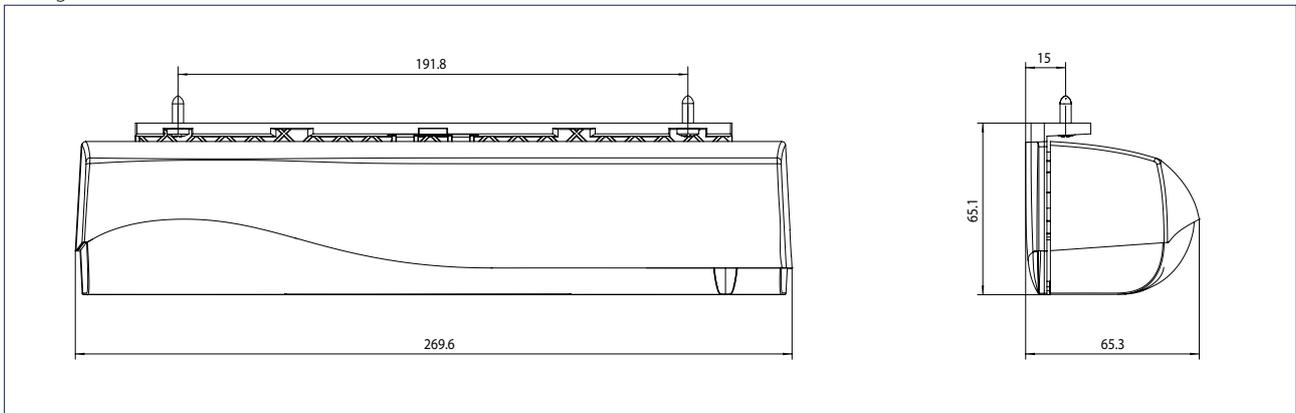


**Dimensional drawings for accessories**

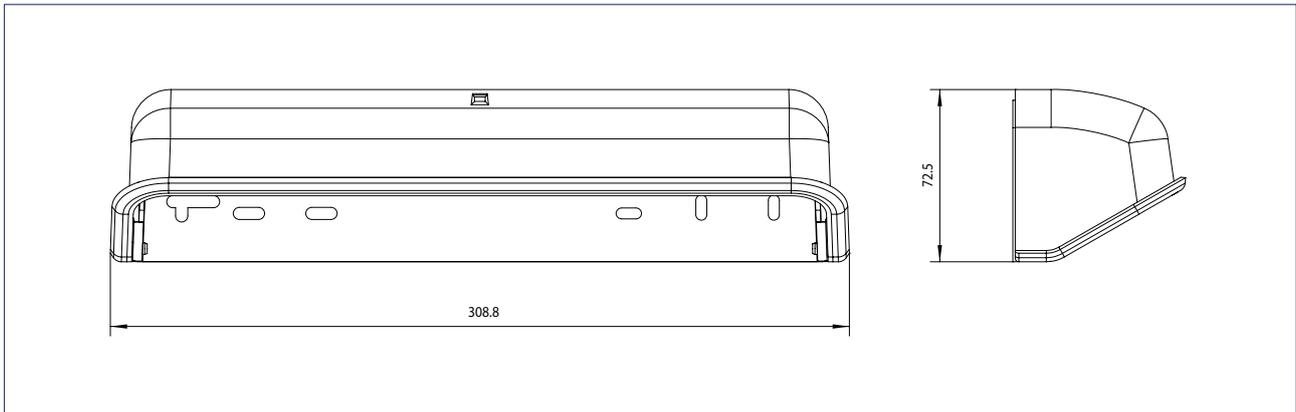
Ceiling installation kit for GC 363



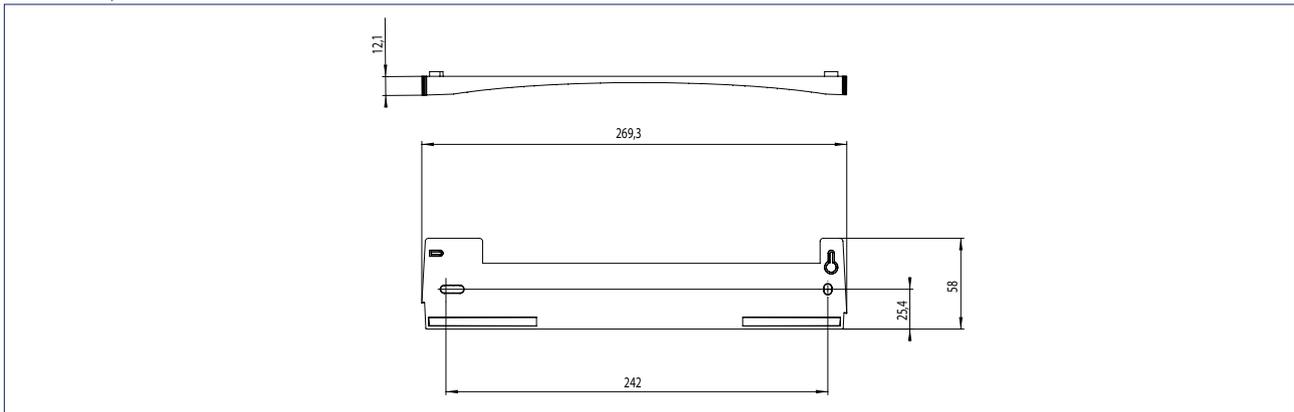
Ceiling bracket for GC 363



Rain cover for GC 363



Curved adaptor for GC 363

**GEZE GC 363 - Order information**

Description	Version	ID.No.
GEZE Combined detector GC 363 R Combined detector for the actuation and protection of automatic sliding doors	black	151237
	acc. to RAL	151238
GEZE Combined detector GC 363 SF Combined detector for the actuation and protection of automatic sliding doors	black	151239
	acc. to RAL	151240
<b>Accessories</b>		
Ceiling bracket GC 363	black	151256
Ceiling installation kit GC 363 / GC 339 Installation kit for integrating the sensor into the ceiling	white	151254
	black	151253
Curved adaptor for GC 363		151255
Rain cover for GC 363, GC 339, GC 362, GC 333 Protection against rainfall in the outdoor area	transparent	126830
Remote control GC 363, GC 339, GC 362, GC 333, GC 304, Activ S GE Setting and parameterizing of GC 363, GC 339, GC 362, GC 333, GC 304 and Activ S GE	black	100061
GEZE infrared detector Device for determining the position of infrared curtains		112321
Interface GC 363 S Interface for the series switching of several self-monitored GC 363 SF combined detectors for the variants FR-RWS, FR-LL and FR-DUO		151361

## GEZE Active infrared light curtain GC 339

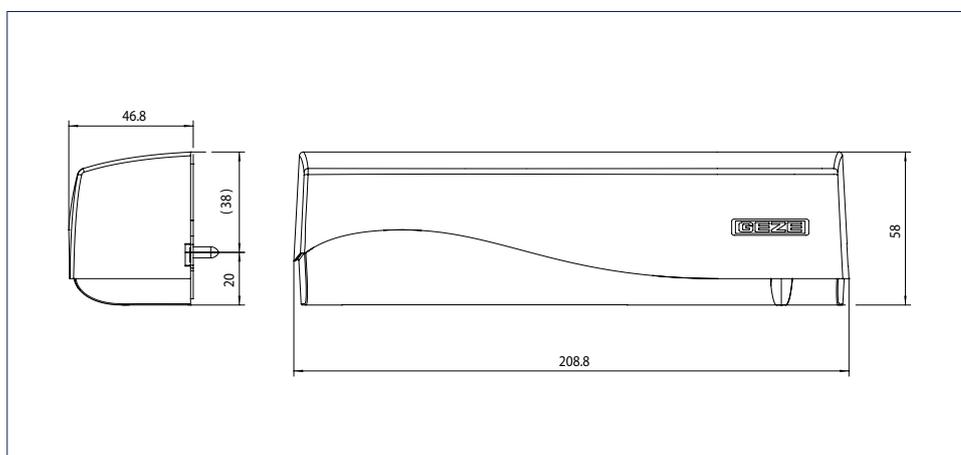
### Self-monitored light curtain for protecting automatic doors, suitable for GEZE GC 363

The GEZE GC 339 can be used as a safeguarding sensor on automatic sliding, folding, revolving and circular sliding doors. It meets all demands of DIN 18650 and EN 16005. The sensor can be used on inside and outside areas. As a safeguarding sensor on automatic doors without protective door leaf it guarantees safety in hazardous areas of the secondary closing edge. Light curtains have an invisible and non-contact protective device. Precise detection is possible through a clearly defined field, the size of which can be adjusted. Installation, configuration and design correspond to the combined detector GEZE GC 363.

#### GEZE GC 339



#### GEZE GC 339

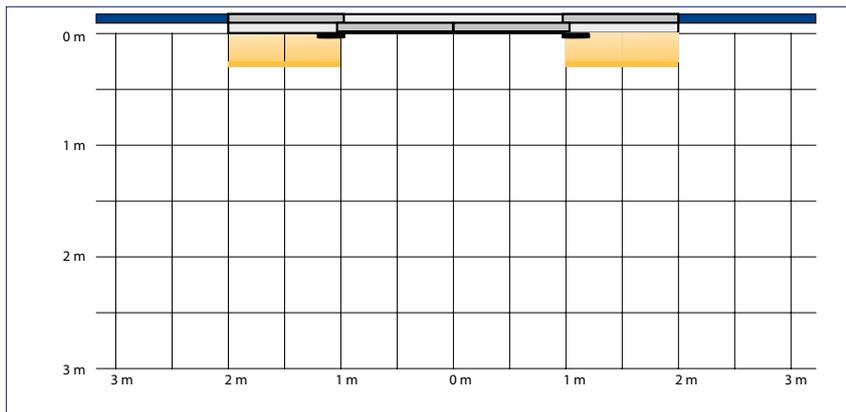


#### Application range

- Safeguarding and actuation of automatic sliding, folding, revolving and circular sliding doors
- Use in hazardous areas on the secondary closing edge without protective door leaf
- Pavements and passages, so that passing persons do not trigger an opening impulse
- Safeguarding automatic revolving sliding doors in accordance with EN 16005

**Technical data**

Product features	GEZE GC 339
Technology	Active infrared beams
Operating voltage	12-24 V DC/AC
Operating current	approx. 125 mA at 24 V DC
Output	Electric relay, 42 V DC max. switching voltage, 100 mA max. switching current
Connection type	System plug-type connector
Height	58 mm
Width	209 mm
Depth	47 mm
Installation height (min.)	2000 mm
Installation height (max.)	3000 mm
Connection cable	2600 mm
Weight	250 g
IP rating	IP 54
Operating temperature	-25 – 55 °C
Humidity	0-95 % relative, non-condensing
Approvals	DIN 18650, EN 16005

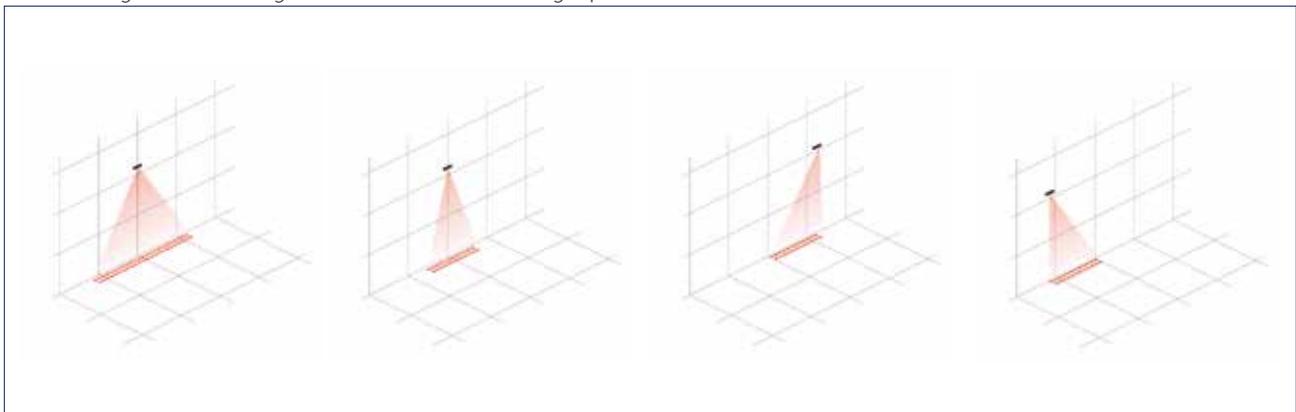
**Detection area and application example**

**Radar field** Narrow field (1): 2.0 x 2.5 m (W x D), wide field (2): 4.0 x 2.0 m (W x D)

**Active infrared light curtain** Narrow field: 0.36 x 0.35 m, wide field: 2.2 x 0.35 m (W x D)

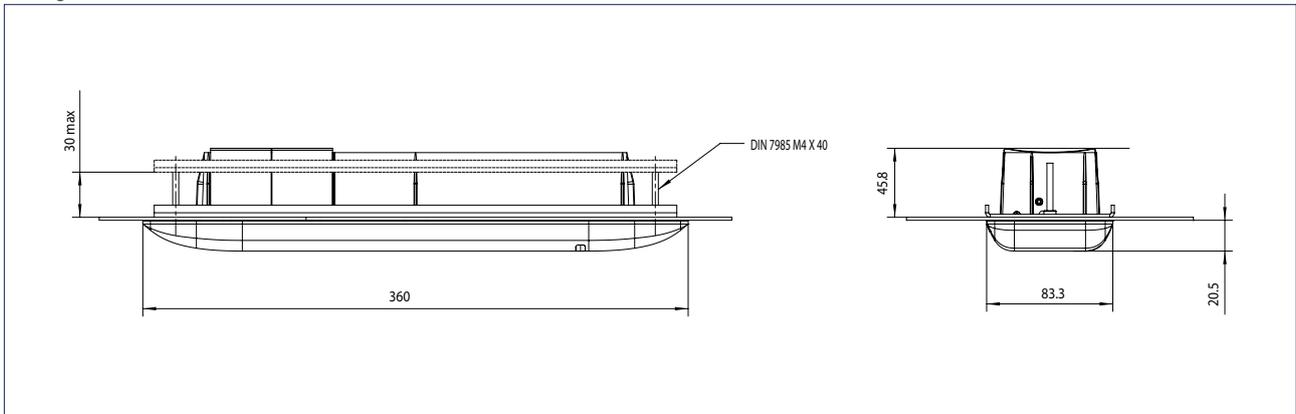
Given values measured at installation height 2.2 m

10 settable light curtain configurations without additional light prisms

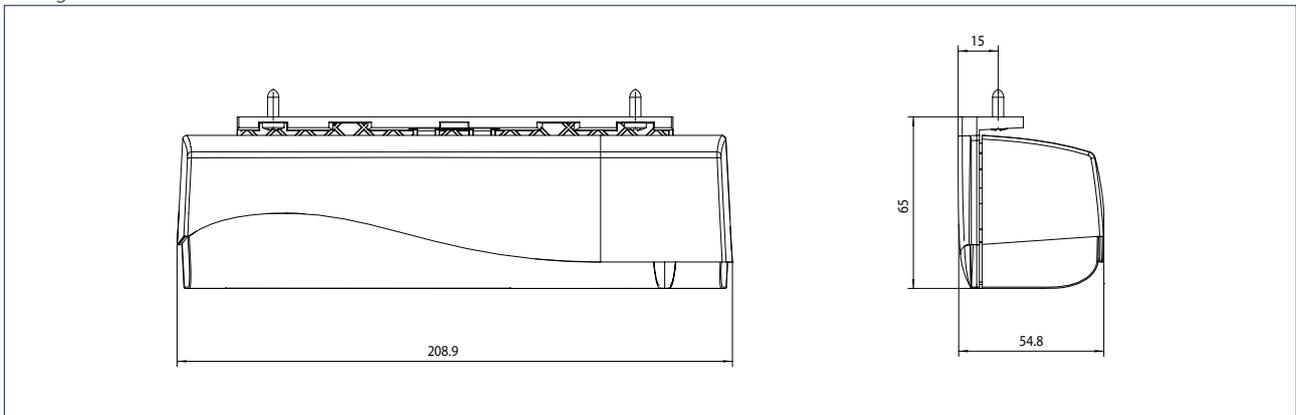


**Dimensional drawings for accessories**

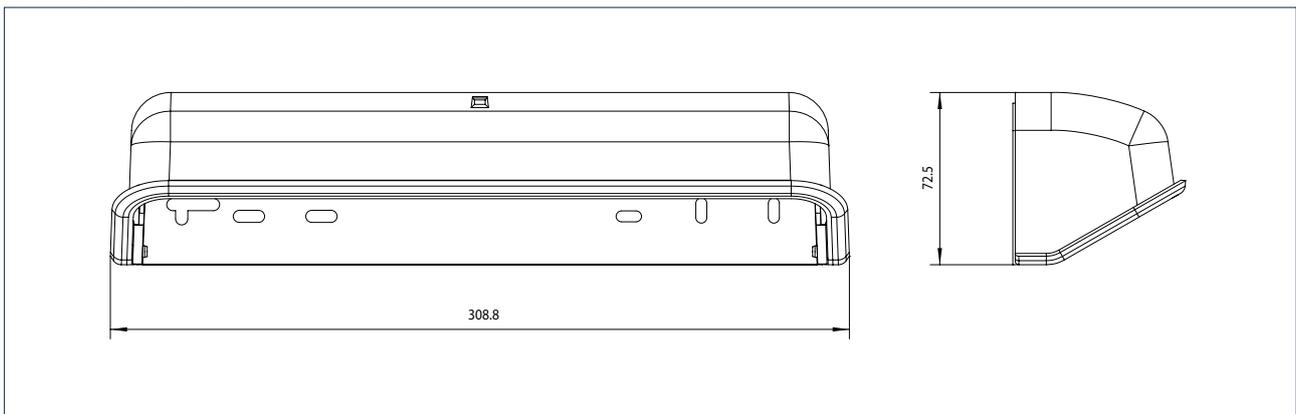
Ceiling installation kit for GC 339



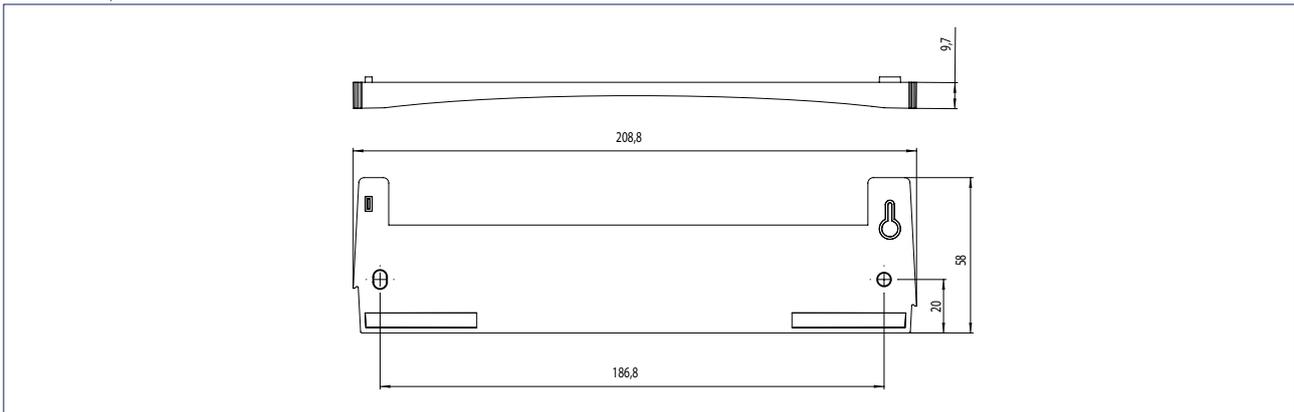
Ceiling bracket for GC 339



Rain cover for GC 339



Curved adaptor for GC 339

**GEZE GC 339 - Order information**

Description	Version	ID.No.
GEZE GC 339	black	151251
Self-monitored light curtain for protecting automatic doors, suitable for GEZE GC 363	acc. to RAL	151252
<b>Accessories</b>		
Ceiling bracket GC 339	black	153568
Curved adaptor for GC 339		151540
Rain cover for GC 363, GC 339, GC 362, GC 333		
Protection against rainfall in the outdoor area	transparent	126830
Remote control GC 363, GC 339, GC 362, GC 333, GC 304, Activ S GE		
Setting and parameterizing of GC 363, GC 339, GC 362, GC 333, GC 304 and Activ S GE	black	100061
GEZE infrared detector		
Device for determining the position of infrared curtains		112321

## GEZE active infrared light curtain GC 333 C

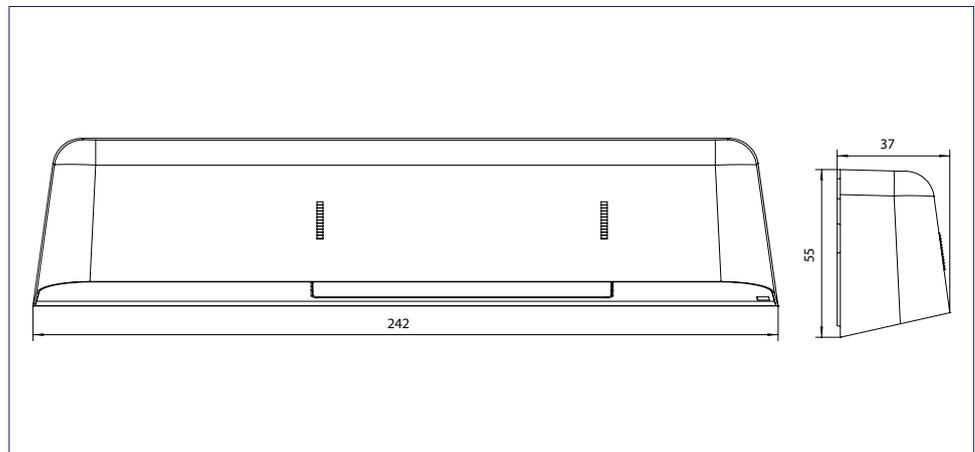
### Self-monitored light curtain for safeguarding the leading mullion of automatic revolving sliding doors

The GEZE GC 333 C is used to safeguard the leading mullion of revolving sliding doors in accordance with DIN 18650. The sensor can be used on inside and outside areas. The light curtain has an invisible and non-contact protective device. Precise detection is possible through a clearly defined field, the size of which can be adjusted. Installation, configuration and design correspond to the combined detector GEZE GC 362.

#### GEZE GC 333 C



#### GEZE GC 333 C



#### Application range

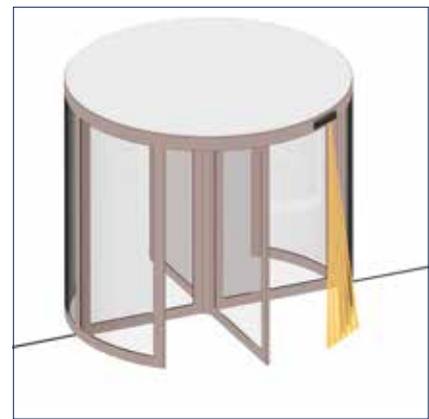
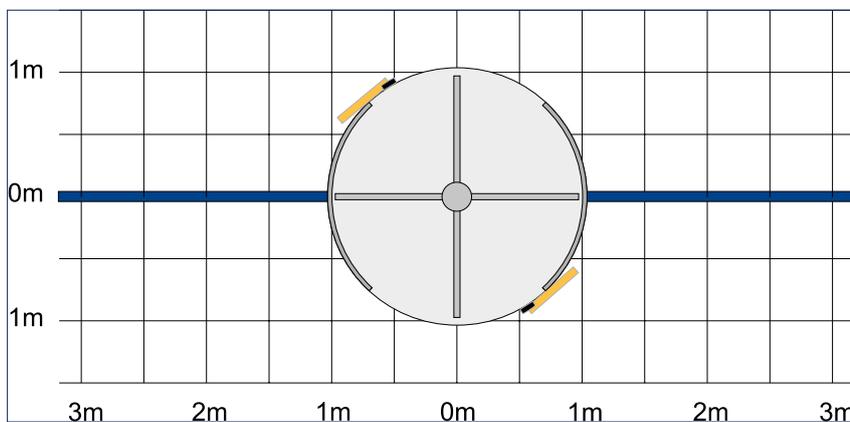
- Safeguarding automatic revolving sliding doors in accordance with DIN 18650
- Use in hazardous areas of revolving doors for safeguarding the leading mullion

## GEZE ACTUATION DEVICES / SENSOR SYSTEMS

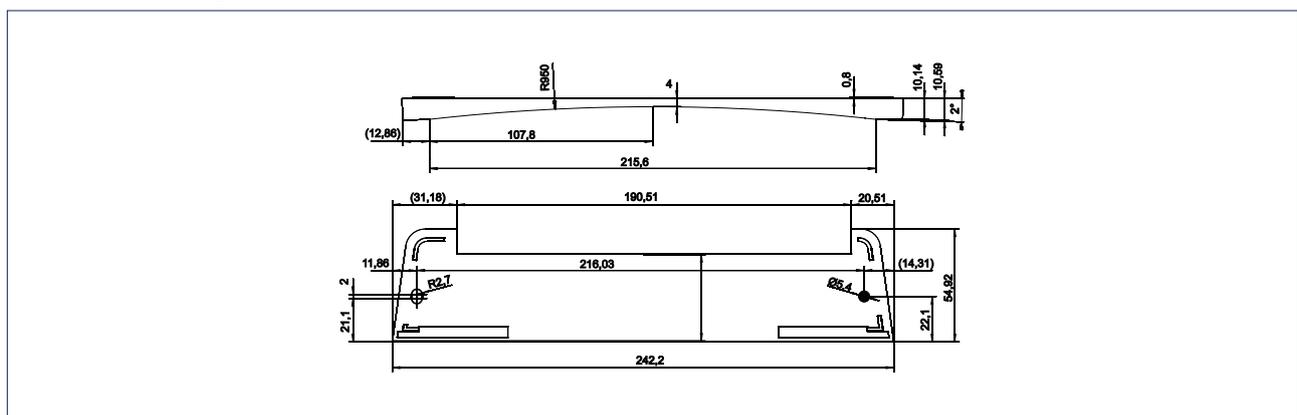
## Technical data

Product features	GEZE GC 333 C
Technology	Active infrared beams
Operating voltage	12-24 V DC/AC
Operating current	approx. 125 mA at 24 V DC
Output	Electric relay, 42 V DC max. switching voltage, 100 mA max. switching current
Height	55 mm
Width	242 mm
Depth	37 mm
Installation height (min.)	1800 mm
Installation height (max.)	2700 mm
Connection cable	3000 mm
Weight	250 g
IP rating	IP 54
Operating temperature	-25 – 55 °C
Humidity	< 90 % relative, non-condensing
Approvals	CE according to EMC Directive 89/336 EEC

## Detection area and application example



## Dimensional drawings for accessories



## GEZE GC 333 C - Order information

Description	Version	ID.No.
GEZE GC 333 C Self-monitored light curtain for the safeguarding and actuation of automatic doors	black	127093
<b>Accessories</b>		
GEZE infrared detector Device for determining the position of infrared curtains		112321
Remote control GC 363, GC 339, GC 362, GC 333, GC 304, Activ S GE Setting and parameterizing of GC 363, GC 339, GC 362, GC 333, GC 304 and Activ S GE	black	100061
Curved adaptor for GC 333 C		136404

## GEZE ultrasonic sensor and control unit

### Ultrasonic sensor for safeguarding the main closing edge of circular sliding doors

The GEZE ultrasonic sensor and the GEZE ultrasonic control unit stand for maximum personal safety near the main closing edge of circular sliding doors. The cone-shaped 3D detection area of the sensor distinguishes between the movements of a door or a person, and the self-monitored ultrasonic control unit reacts accordingly. The small dimensions of the sensor have almost no effect on the outer appearance of the door.

### GEZE ultrasonic sensor and control unit

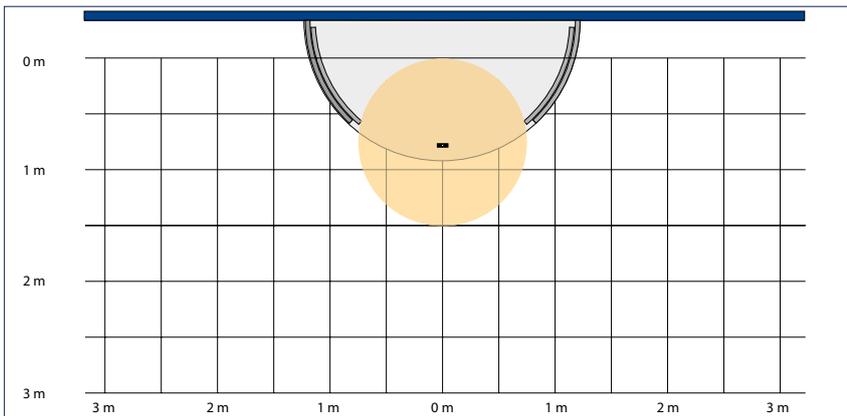


### Application range

- Safeguarding the main closing edge of circular sliding doors

### Technical data

Product features	GEZE ultrasonic sensor and control unit
Technology	Ultrasonic waves
Operating voltage	24 V DC / AC
Operating current	approx. 70 mA at 24 V DC
Output	Potential-free relay output, 120 V AC/24 V DC, 0.5 A, 60 VA/24 W
Connection type	Screw terminal
Dimensions	Sensor: 50 x 20 x 24 mm (W x H x D), control unit: 252 x 37 x 55 mm (W x H x D)
Installation height (min.)	2000 mm
Installation height (max.)	3000 mm
Weight	460 g
IP rating	IP 52
Operating temperature	-10 – 40 °C
Humidity	< 90 % relative, non-condensing
Approvals	DIN 18650

**Detection area and application example**

Diameter 1.5 m

900 mm above floor if ultrasonic sensor is mounted at 2.2 m

**GEZE ultrasonic sensor and control unit - Order information**

Description	ID.No.
Ultrasonic sensor HZ 1US Ultrasonic sensor for safeguarding the main closing edge of circular sliding doors	091566
Ultrasonic control unit HZC Ultrasonic sensor for safeguarding the main closing edge of circular sliding doors	091565

## GEZE sensor strip GC 338

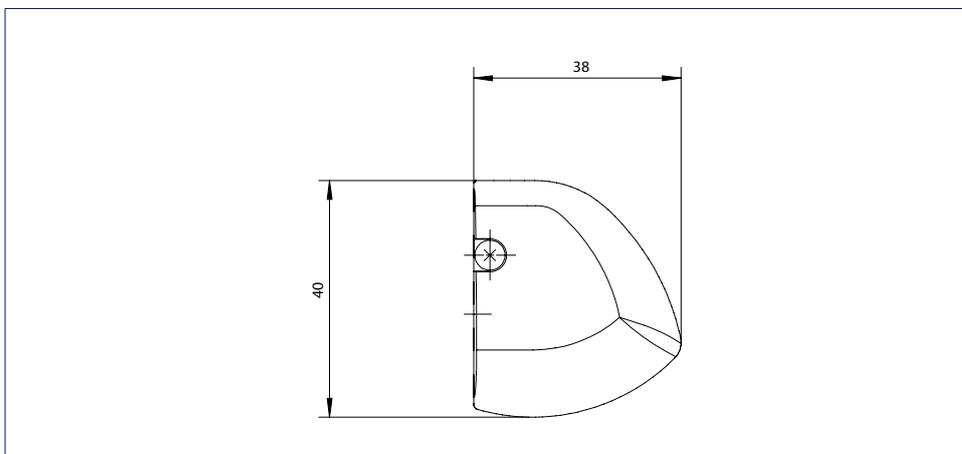
### Sensor strip for safeguarding automatic swing and revolving doors in accordance with DIN 18650 / EN 16005

The energy- and space-saving GEZE sensor strip GC 338 is used to safeguard automatic swing and revolving doors in accordance with DIN 18650 / EN 16005. The sensor strip is mainly used with difficult floor conditions (e.g. floor mats, metal rails, dark and light-absorbing floor coverings). The close-meshed detection field with a wide field of detection over the whole door width provides special protection at the primary and secondary closing edges. In addition, the sensor has a wall blanking feature which makes it possible to guarantee maximum safety even with doors that open against walls. The sensor strip automatically teaches itself its environment. Safeguarding all GEZE swing door drives with door leaf widths of up to 1500 mm is achieved with only one sensor system. The GC 338 not only offers advantages for installation and commissioning – the complete door system is supplied via an interface. Settings such as the position of the interface, standby mode, boost mode and grating mode can be made conveniently using the DIP switch.

#### GEZE GC 338



#### GEZE GC 338

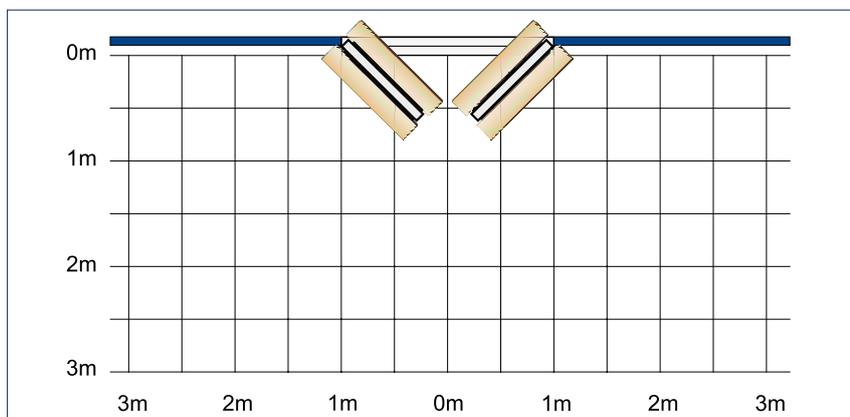


#### Application range

- Safeguarding automatic swing and revolving doors in accordance with DIN 18650 / EN 16005

**Technical data**

Product features	GEZE GC 338
Technology	Active infrared beams
Operating voltage	24 V DC $\pm$ 20 %
Operating current	max. 100 mA at 30 V DC
Output	PNP transistor output, max. 30 V DC, max. 100 mA
Installation height (min.)	1500 mm
Installation height (max.)	3500 mm
Connection cable	5000 mm
Reaction time	< 52 ms and < 200 ms in boost mode
IP rating	IP 52
Operating temperature	-20 – 60 °C
Humidity	< 90 % relative, non-condensing
Approvals	DIN 18650, EN 16005

**Detection area and application example**

## GEZE GC 338 - Order information

Description	Version	ID.No.
GC 338 pair of sensor strips L= 1200 mm System comprising two complete sensor strips for securing the swivelling range of automatic swing and revolving doors in accordance with DIN 18650 / EN 16005	EV1	142219
	white RAL 9016	142826
	acc. to RAL	142825
GC 338 pair of sensor strips L= 1500 mm System comprising two complete sensor strips for securing the swivelling range of automatic swing and revolving doors in accordance with DIN 18650 / EN 16005	EV1	142757
	white RAL 9016	142828
	acc. to RAL	142827
<b>Accessories</b>		
GC 338 pair of end caps	black	142226
GC 338 receiver module		143071
GC 338 interface set comprising interface module, corrugated hose and door connection cable (5 m)		149098
GC 338 cable set comprising flat ribbon connecting cable 2 m with 5 connectors and connection cable hinge side/opposite hinge side		149237
GC 338 transmitter module		143060
GC 335 / GC 338 sensor cut out profile L=6000 mm	EV1	079581
	mill finish	079584
GC 335 / GC 338 sensor window profile L=4000 mm		118856
GC 335 sensor cut out profile, cut-to-size, in metres		100269
GC 335 / GC 338, rain cover L=1200 mm		142227
GC 335 / GC 338, rain cover L=1500 mm		142232
Adapter for sensor link arm for EMD/EMD-F and TSA 160 NT	EV1	144352
GC GR for GC 338 L=1200 mm for EMD/EMD-F	EV1	146205
	white RAL 9016	146207
	acc. to RAL	146209
GC GR for GC 338 L=1500 mm for EMD/EMD-F	EV1	146206
	white RAL 9016	146208
	acc. to RAL	146210
GC GR for GC 338 L=1200 mm for TSA 160 NT	EV1	146217
	white RAL 9016	146219
	acc. to RAL	146221
GC GR for GC 338 L=1200 mm for TSA 160 NT Z	EV1	146211
	white RAL 9016	146213
	acc. to RAL	146215
GC GR for GC 338 L=1500 mm for TSA 160 NT	EV1	146218
	white RAL 9016	146220
	acc. to RAL	146222
GC GR for GC 338 L=1500 mm for TSA 160 NT Z	EV1	146212
	white RAL 9016	146214
	acc. to RAL	146216

## GEZE sensor strip GC 335

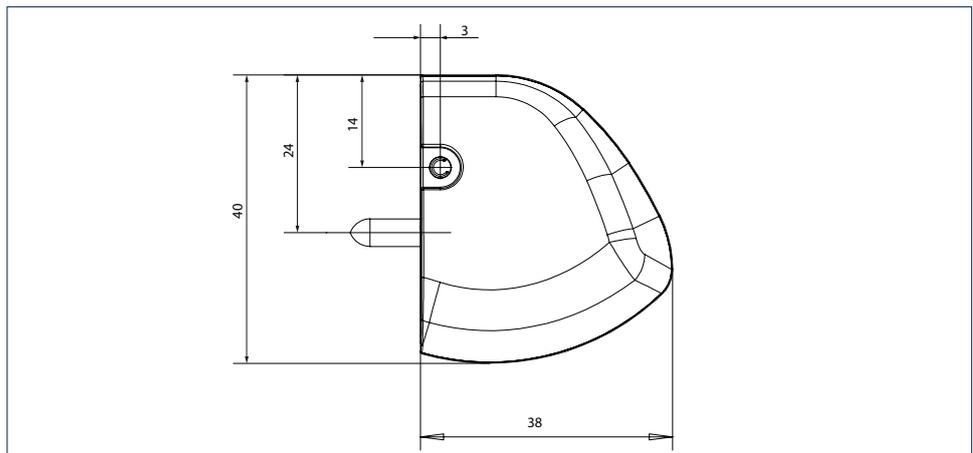
Sensor strip for safeguarding automatic swing and revolving doors in accordance with DIN 18650 / EN 16005

The GEZE GC 335 is used to safeguard automatic swing and revolving doors in accordance with DIN 18650. The click fitting in the sensor mounting profile reduces installation effort. The inclination angle and detection range can be adjusted mechanically. Continuous self-monitoring means the GEZE GC 335 fulfills the highest safety standard and is thus approved for use for emergency exits. The simple design offers a cost-optimised solution.

### GEZE GC 335



### GEZE GC 335

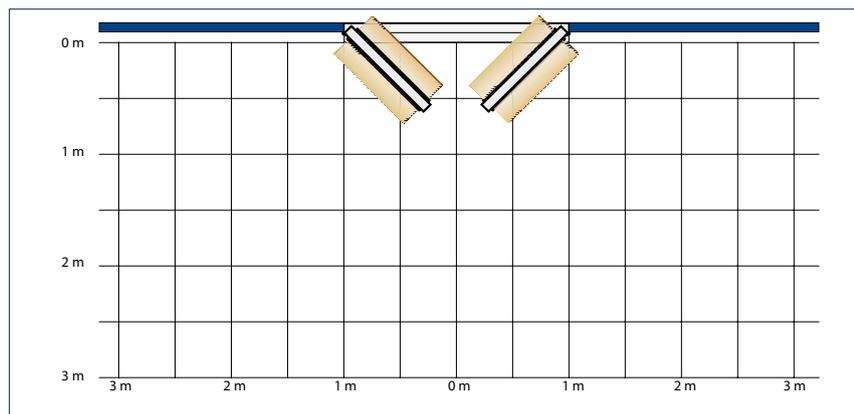


### Application range

- Safeguarding automatic swing and revolving doors in accordance with DIN 18650 / EN 16005

Product features	GEZE GC 335
Technology	Active infrared beams
Operating voltage	24 V DC
Operating current	approx. 60 mA at 24 V DC per module
Output	Potential-free relay output, 30 V AC/DC, 0.3 A AC/0.3 A DC
Connection type	Push-fit screw terminal
Height	42 mm
Depth	37 mm
Dimensions	sensor strip: 310/900/1400 (can be cut to size) x 42 x 37 mm (W x H x D), sensor module: 179 x 23 x 33 mm (W x H x D)
Installation height (min.)	1500 mm
Installation height (max.)	2500 mm
Connection cable	1000 mm
Reaction time	< 70 ms
IP rating	IP 52
Operating temperature	-10 – 50 °C
Humidity	< 90 % relative, non-condensing
Approvals	DIN 18650, EN 16005

## Detection area and application example



0,08 x 0,03 m per sensor module

Given values measured at installation height 2,2 m

## Number of modules (Master + Slave) per sensor strip

Door leaf width	0,8 m	0,9 m	1,0 m	1,1 m	1,2 m	1,3 m	1,4 m
Installation height 2,2 m	1+2	1+3		1+4		1+5	

## GEZE GC 335 - Order information

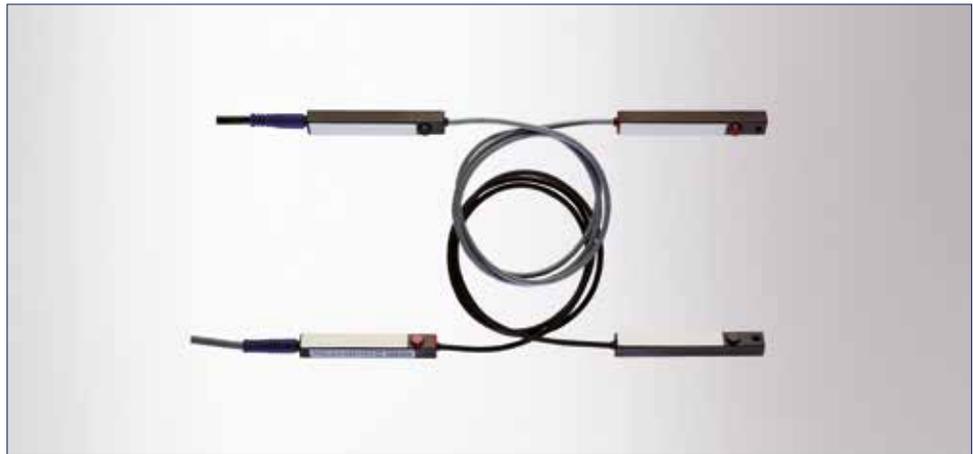
Description	Version	ID.No.
GC 335 sensor strip L=310 mm Securing the swivelling range of automatic swing and revolving doors in accordance with DIN 18650 / EN 16005	EV1	129856
	white RAL 9016	129858
	acc. to RAL	129859
GC 335 sensor strip L=900 mm Securing the swivelling range of automatic swing and revolving doors in accordance with DIN 18650 / EN 16005	EV1	128054
	white RAL 9016	128056
	acc. to RAL	128057
GC 335 sensor strip L=1400 mm Securing the swivelling range of automatic swing and revolving doors in accordance with DIN 18650 / EN 16005	EV1	128058
	white RAL 9016	128060
	acc. to RAL	128071
<b>Accessories</b>		
GC 335 extension kit With one slave module, connection cable and clip bearings		128072
GC 335 master module		128074
GC 335 end cap, left	black	071094
GC 335 end cap, right	black	071851
GC 335 clip bearing	black	126471
GC 335 slave module		128065
GC 335 connection cable	black	120085
GC 335 sensor cut out profile, cut-to-size, in metres	EV1	100269
GC 335 / GC 338 sensor cut out profile L=6000 mm	EV1	079581
	mill finish	079584
GC 335 / GC 338 sensor window profile L=4000 mm		118856
GEZE infrared detector Device for determining the position of infrared curtains		112321
Door transmission cable for GC 335 8-wire		057182
Door transmission hose for sensor Length 300 mm		025901
GC 335 screws for sensor strip		081168
GC 335 screws and cable		081169

## GEZE safety photoelectric barrier GZ 470 V / GZ 472 V

**Safety photoelectric barriers as single and double beam version for automatic sliding doors in accordance with EN 12650-2**

The GEZE GZ 470 V, the photoelectric barrier with single beam, and the GEZE GZ 472 V, the photoelectric barrier with double beam, provide simple and reliable safeguarding for automatic sliding doors in accordance with EN 12650-2. The max. range of these sensors is 5 m. The compact design makes flexible installation in a range of different door profiles possible. Attachment using double-sided adhesive tape is easy and straightforward. The integrated electronics guarantee fast installation and compact space requirements.

### GEZE GZ 470 V / GZ 472 V



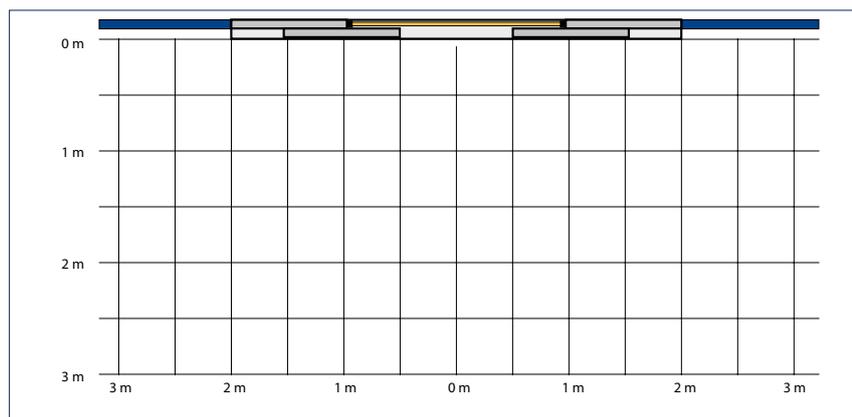
#### Application range

- Safeguarding of automatic sliding doors

#### Technical data

Product features	GEZE GZ 470 V / GZ 472 V
Technology	Active infrared beams
Number of IR	GZ 470 V: 1 channel, GZ 472 V: 2 channels
Operating voltage	11-30 V
Operating current	GZ 470 V: approx. 40 mA at 24 V DC, GZ 472 V: approx. 80 mA at 24 V DC
Output	PNP transistor output, < 30 V DC, < 100 mA
Connection type	Cable prepared for connection to screw terminal
Height	11.6 mm
Width	85 mm
Depth	11,5 mm
Installation height	GZ 470 V: min. 200 mm; GZ 472 V: 200 and 1000 mm
Connection cable	8000 mm
Operating temperature	-20 – 60 °C
Humidity	< 90 % relative, non-condensing
Approvals	CE according to EMC Directive 89/336 EEC

**Detection area and application example**



GEZE GZ 470 V



GEZE GZ 472 V



Recommended installation:  
 Beam height at least 20 cm above the ground  
 Maximum 5 m reciprocal spacing

**GEZE GZ 470 V / GZ 472 V - Order information**

Description	Version	ID.No.
GZ 470 V, single channel light barrier For safeguarding automatic sliding doors, with one transmitter and receiver	black	112726
GZ 472 V, two-channel light barrier For safeguarding automatic sliding doors, with 2 transmitters and receivers	black	112727
<b>Accessories</b>		
Cover panel for light barrier	EV1	065312
	dark bronze	068739
	mill finish	068738
	acc. to RAL	099988

## GEZE active infrared sensor AIR 12 Cleanscan

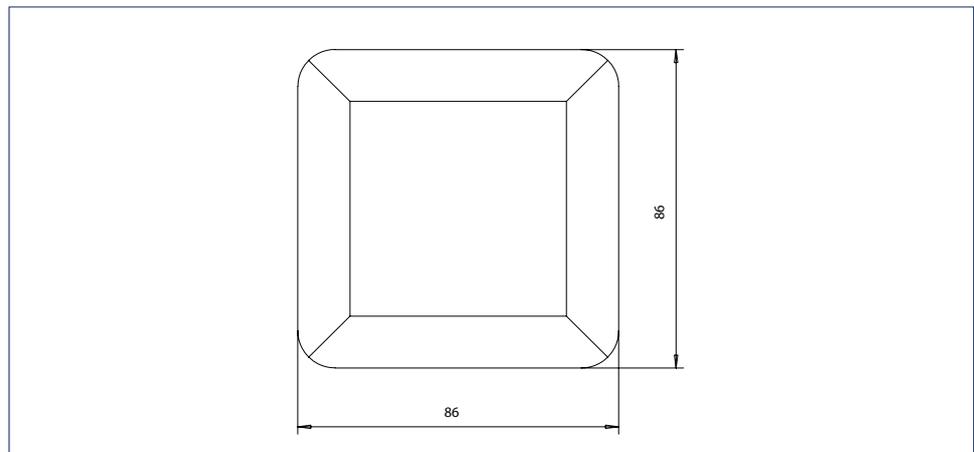
### Non-contact proximity switch for the actuation of automatic doors

Open doors in a flash: with the AIR 12 Cleanscan internal doors without perception requirement can also be actuated cleanly and comfortably. The active infrared sensor ensures bacteria-free access to toilets, for example, or germ-free conditions in hotel kitchens, swimming pools and doctors' surgeries. The impulse generator is installed at hand height and precisely detects people and objects – independently of their direction of movement – both in the direct vicinity of only 5 cm as well as 0.6 m away. The different scanning ranges can be optimally adapted to existing environmental conditions and the interests of the user groups. Non-contact sensors offer a high level of operating comfort – people only need to approach them to trigger the automatic opening mechanism – and the advantage of absolute hygiene. The optimum system structure permits simple and time-saving installation in the flush-mounted socket.

#### GEZE AIR 12



#### GEZE AIR 12



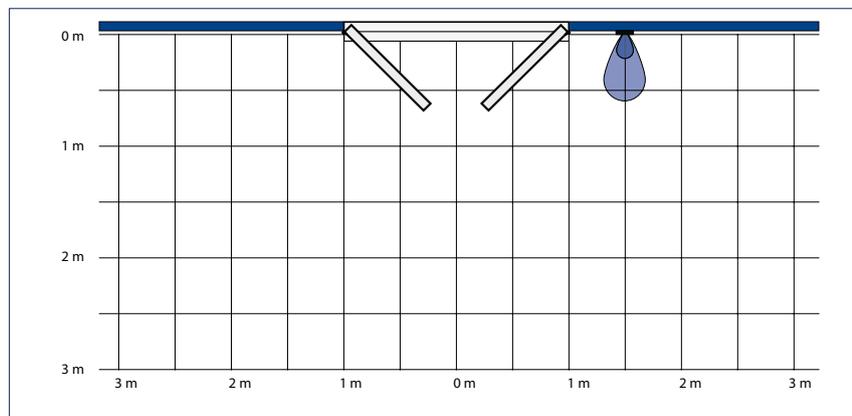
#### Application range

- Actuation of automatic swing, sliding, folding, revolving and circular sliding doors
- Clean rooms with high hygiene requirements (laboratory, hospitals, operating theatres etc.)
- Homes for the elderly and care homes
- Homes for the disabled
- Gastronomy

## Technical data

Product features	GEZE AIR 12
Technology	Active infrared beams
Operating voltage	12-30 V DC / 12-24 V AC
Operating current	approx. 50 mA
Output	Potential-free relay output, 48 V AC / DC, 1 A AC / DC, 60 VA / 30 W
Connection type	Screw terminal
Height	86 mm
Width	86 mm
Depth	12 mm
Installation height	at hand level
IP rating	IP 50/65 (without/with seal)
Operating temperature	-20 – 60 °C
Humidity	< 90 % relative, non-condensing
Approvals	CE according to EMC Directive 89/336 EEC

## Detection area and application example



**Close-up range (1):** 0.05 - 0.2 m, **far range (2):** 0.05 x 0.6 m

## GEZE AIR 12 - Order information

Description	Version	ID.No.
GEZE AIR 12 Non-contact proximity switch for the actuation of automatic doors	white	079208

## GEZE active infrared detector AIR 20-Var

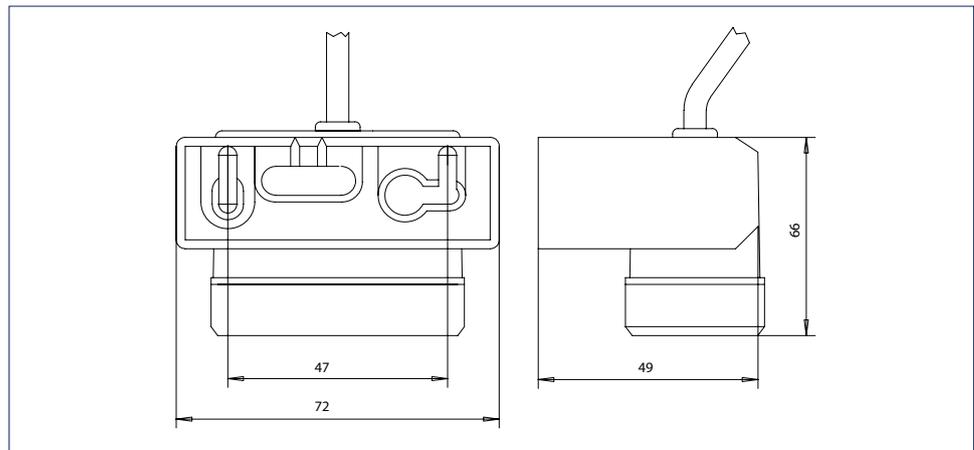
### Light switch for monitoring the door handle of automatic swing doors

This compact active infrared detector has been designed for mobile and stationary applications. The GEZE AIR 20-Var is excellently suited for use in restricted space for the presence detection of persons and objects. In addition, this detector can be used for occupied checks in double-door systems. The scanning range can be adjusted from 1.2 m - 2.2 m using a mechanical adjustment screw.

#### GEZE AIR 20-Var



#### GEZE AIR 20-Var



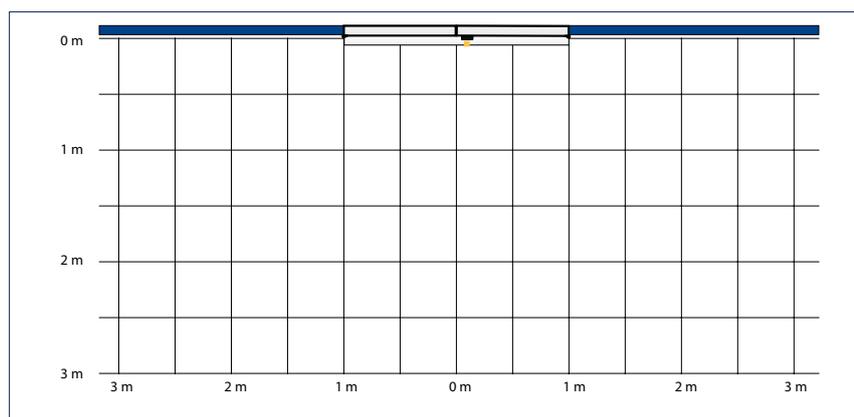
#### Application range

- Monitoring of the door handle for actuating automatic swing doors
- Use in restricted space for presence detection of persons or objects
- Used for occupied checks in double-door systems

## Technical data

Product features	GEZE AIR 20-Var
Technology	Active infrared beams
Operating voltage	12-30 V DC / 18-28 V AC
Operating current	approx. 50 mA
Output	Potential-free relay output, 48 V AC / DC, 0.5 A AC / 1 A DC, 55 VA / 24 W, switching mode: bright method (output contact closed on detection)
Connection type	Push-fit screw terminal
Height	66 mm
Width	72 mm
Depth	49 mm
Scanning range adjustment	1.2 - 2.2 m
Installation height (min.)	1200 mm
Installation height (max.)	2200 mm
Connection cable	5000 mm
Light beam cross-section	60 x 60 mm
IP rating	IP 52
Operating temperature	-20 – 60 °C
Humidity	< 90 % relative, non-condensing
Approvals	CE according to EMC Directive 89/336 EEC

## Detection area and application example



0.06 x 0.06 m (B x T)

Given values measured at detector range 1.3 m

## GEZE AIR 20-Var - Order information

Description	Version	ID.No.
GEZE AIR 20-Var Light switch for monitoring the door handle of automatic swing doors	black	082689

## GEZE activation detectors

### Activation detectors for a wide range of different requirements for the opening and closing of automatic doors

GEZE activation detectors are offered for a wide range of installation possibilities: wall, floor or ceiling installation. All activation detectors can be used for inside and outside areas.



Plastic elbow switch



Stainless steel elbow switch LS990



Stainless steel elbow switch



Plastic rocker push button AS 500



Stainless steel rocker push button LS990



Pull button



Foot contact switch



LED sensor button



Glass LED sensor button

### Application range

- Actuation of automatic swing, sliding, folding, revolving and circular sliding doors
- Elbow switches for use in inside and outside areas
- Pneumatic switches for use in the gastronomy field
- Sensor button suitable for barrier-free use on external doors

	Plastic elbow switch	Stainless steel elbow switch LS990	Stainless steel elbow switch	Plastic rocker push button AS 500
<b>Specification</b>	<ul style="list-style-type: none"> <li>1-pole closing contact</li> <li>Switching voltage: max. 24 V DC</li> <li>Switching current: max. 1 mA</li> </ul>	<ul style="list-style-type: none"> <li>1-pole closing contact</li> <li>Switching voltage: max. 230 V AC</li> <li>Switching current: max. 10 A</li> </ul>	<ul style="list-style-type: none"> <li>1-pole changeover contact</li> <li>Switching voltage: max. 230 V AC</li> <li>Switching current: max. 1 A</li> </ul>	<ul style="list-style-type: none"> <li>1-pole closing contact</li> <li>Switching voltage: max. 230 V AC</li> <li>Switching current: max. 10 A</li> </ul>
<b>Version</b>	surface-mounted	flush-mounted/ surface-mounted	surface-mounted	flush-mounted/ surface-mounted*
<b>IP rating</b>	IP 30 / IP 65*	IP 30	IP 65	IP 20
<b>Dimensions</b>	90 x 180 x 23 mm	81 x 223 x 18 mm (flush-mounted) 81 x 223 x 51 mm (surface-mounted)	75 x 250 x 17 mm	80 x 80 x 9 mm (flush-mounted)
<b>Accessories</b>	<ul style="list-style-type: none"> <li>*1-pole changeover contact IP 65, ID no. 114156</li> <li>Label wheelchair users, ID no. 72581</li> <li>Back plate, ID no. 131219 (white) ID no. 131220 (stainless steel)</li> </ul>		<ul style="list-style-type: none"> <li>Label wheelchair users, ID no. 72581</li> </ul>	<ul style="list-style-type: none"> <li>*Surface-mounted box, ID no. 120503</li> </ul>
<b>ID no.</b>	114078 (white) 114077 (stainless steel)	141042 (flush-mounted, white) 141041 (surface-mounted, white) 128583 (flush-mounted, stainless steel) 128582 (surface-mounted, stainless steel)	119898	120888

	Stainless steel rocker push button LS990	LED sensor button	Pull button	Foot contact switch
<b>Specification</b>	<ul style="list-style-type: none"> <li>1-pole closing contact</li> <li>Switching voltage: max. 230 V AC</li> <li>Switching current: max. 10 A</li> </ul>	<ul style="list-style-type: none"> <li>PNP closing contact</li> <li>Switching voltage: max. 24 V DC</li> <li>Switching current: max. 400 mA</li> <li>Current consumption: max. 35 mA at 24 V</li> </ul>	<ul style="list-style-type: none"> <li>Contact system: 1 opener / 1 closer</li> <li>Switching voltage: max. 230 V DC</li> <li>Switching current: max. 10 mA</li> </ul>	<ul style="list-style-type: none"> <li>incl. air hose with 4 mm outer diameter, 2 mm inner diameter, length 7 m</li> </ul>
<b>Version</b>	flush-mounted	surface-mounted	incl. pull line (length 1 m)	flush-mounted
<b>IP rating</b>	IP 20	IP 69	IP 65	
<b>Dimensions</b>	81 x 81 x 11 mm	ø 100 x 100	36 x 94 x 34 mm	100 x 100 x 4,5 mm
<b>Accessories</b>		<ul style="list-style-type: none"> <li>Mounting ring, flat, ID no. 139009</li> <li>Mounting ring, high ID no. 139010</li> </ul>		<ul style="list-style-type: none"> <li>Pressure wave button, ID no. 053757</li> </ul>
<b>ID no.</b>	098396	137529 143412 (glass)	008607	002906

## GEZE programme switches

### Programme switches for selection of the operational state of automatic doors

GEZE offers programme switches for various individual requirements. The switches can be universally used - for surface and flush-mounting. The GEZE switch programme comprises of display programme switches (DPS), keypad programme switches (TPS) and mechanical programme switches (MPS). Up to 5 different operating modes can be set: Off, Night, Shop closing, Automatic and Permanently open. Key push buttons or switches with password protection are available for the authorised use in emergency exits.



Keypad programme switch (TPS)



Keypad programme switch with key push button (TPS-SCT)



Mechanical programme switch (MPS)



Mechanical programme switch with key (MPS-ST)



Mechanical program switch with rotary knob (MPS-D)



Mechanical programme switch with key (MPS-D-ST)



Display programme switch (DPS) with OFF key



Display programme switch (DPS) without OFF key



Display programme switch with key push button (DPS-SCT) and OFF key

### Application range

- For surface- and flush-mounting
- Compatible with: Jung AS 500, A plus, Gira: Standard 55, E2, Esprit, Event, stainless steel (with intermediate frame Gira 028920), Merten: M-Smart, M-Plan, Berker: B.1, B.7

	TPS	TPS-SCT	MPS	MPS-ST	MPS-D	MPS-D-ST	DPS	DPS-SCT
<b>ECdrive Slimdrive SL Powerdrive</b>	•	•	•	•			•	•
<b>ECdrive-FR Slimdrive SL-FR Powerdrive FR</b>	•****	•		•			•****	•
<b>ECturn</b>	•	•						
<b>Slimdrive EMD / -F</b>	•	•	•	•	•	•	•	•
<b>TSA 160 NT / -F</b>	•**	•**	•	•	•	•	•**	•**
<b>TSA 150 / TSA 160</b>					•	•		
<b>TSA 325 NT</b>	•***	•***						
<b>Operation</b>	Push buttons	Push buttons + key	Rotary knob	key	Rotary knob	key	Push buttons	Push buttons + key
<b>Functionality</b>	Selection of operating mode	Selection of operating mode with authorisation	Selection of operating mode	Selection of operating mode with keyed alike key	Selection of operating mode	Selection of operating mode with keyed alike key	Parameter setting, commissio- ning and selection of the operating mode	Parameter setting, commissio- ning and selection of the operating mode with authorisation
<b>Error display</b>	via LED blink code	via LED blink code	via LED warning light	via LED warning light			via numerical code	via numerical code
<b>Version</b>	flush-moun- ted/surface- mounted*	flush-moun- ted/surface- mounted*	flush-moun- ted/surface- mounted*	flush-moun- ted/surface- mounted*	flush-moun- ted/surface- mounted*	flush-moun- ted/surface- mounted*	flush-moun- ted/surface- mounted*	flush-moun- ted/surface- mounted*
<b>IP rating</b>	IP 40	IP 40	IP 40	IP 40	IP 40	IP 40	IP 40	IP 40
<b>Dimensions (WxHxD)</b>	80 x 80 x 11 mm (flush- mounted) 80 x 80 x 47 mm (surface- mounted*)	80 x 152 x 11 mm (flush- mounted) 85 x 156 x 47 mm (surface- mounted*)	80 x 80 x 22 mm (flush- mounted) 80 x 80 x 58 mm (surface- mounted*)	80 x 80 x 18 mm (flush- mounted) 80 x 80 x 54 mm (surface- mounted*)	80 x 80 x 22 mm (flush- mounted) 80 x 80 x 58 mm (surface- mounted*)	80 x 80 x 18 mm (flush- mounted) 80 x 80 x 54 mm (surface- mounted*)	80 x 80 x 11 mm (flush- mounted) 80 x 80 x 47 mm (surface- mounted*)	80 x 152 x 11 mm (flush- mounted) 85 x 156 x 47 mm (surface- mounted*)
<b>ID no.:</b>	113231	113232	113226	113227	118417	118418	151524 (with OFF key) 155809 (without OFF key)	155810

\* Please order the respective surface-mounting box for surface-mounting installation.

\*\* Can be used from DCU5 with Rev. B

\*\*\* Special version for revolving doors with "manual" operating mode: TPS-KDT (ID no.: 126582), TPS-KDT-SCT (ID no.: 126583)

\*\*\*\* Can be used from DCU 1-2 M V 3.0 with password protection

## GEZE radio programme

### Wireless control with system – reliable, convenient and secure at the touch of a button

Radio-operated remote controls for a wide range of applications in our daily life bring added convenience. The elderly, disabled or physically weaker people can be afforded better quality of life, and they make work easier for care staff. They are increasingly becoming standard fittings for barrier-free and age-appropriate living.

The wireless control of doors and windows using the GEZE radio programme makes connection to a power supply superfluous. Thanks to the tiny dimensions of the radio modules, they can easily be integrated in the drive or an in-wall casing and can also be clipped directly into the elbow switch and mounted wirelessly on glass.



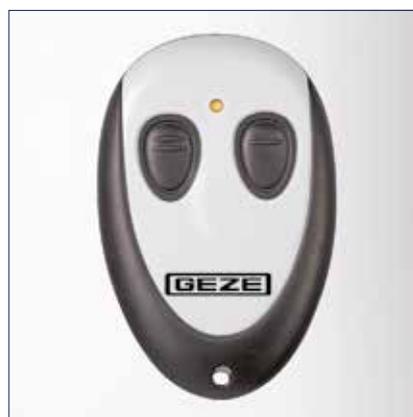
### Application range

- Retro-fitting without needing to lay cables and using existing switches/buttons
- Installation without connection to power e.g. on glass
- Wireless control with system – reliable, convenient and secure at the touch of a button
- Combined actuation of doors and windows using a remote control

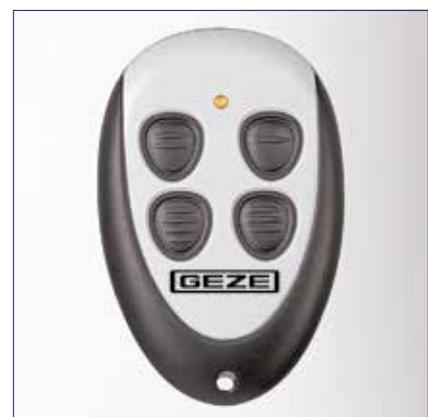
The GEZE radio programme is safe! The encryption of the radio signals using a rolling code with up to 74 trillion code combinations means that taught radio transmitters cannot be "cracked". Each transmitter is taught individually and safely to eliminate false or unauthorised radio control. The radio transmitter has a range of up to 30 metres. Doors can be controlled over great distances and even through walls. The radio receiver has two outputs. At each of the two outputs, individual radio receivers can be taught and evaluated differently according to the connection to the control. In addition, it is possible to select different operating modes via a DIP switch. For example, a short push of the button can be used to just open the door, whereas if the button is pushed for longer the door is held open. The radio programme is compatible with all GEZE door and window drives.



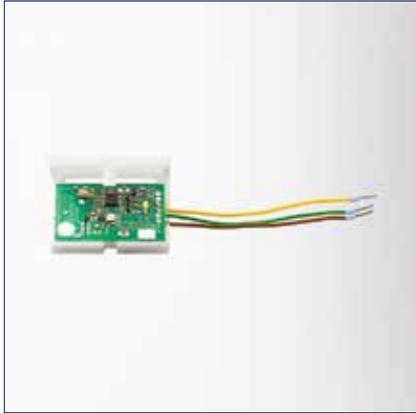
Wireless transmitter 1 channel



Wireless transmitter 2 channels



Wireless transmitter 4 channels



WTM transmitting module



WRM-24 receiving module



WRM-24B receiving module in IP-54 housing



WRM receiving module



WRM-230B receiving module in IP-54 housing



WRB-5 radio reception board

	WTH-1 wireless transmitter	WTH-2 wireless transmitter	WTH-4 wireless transmitter
Specification	incl. wall bracket	incl. wall bracket	incl. wall bracket
Version	1 channel	2 channels	4 channels
IP rating	IP 54	IP 54	IP 54
Dimensions	78 x 51 x 15 mm	78 x 51 x 15 mm	78 x 51 x 15 mm
Battery	12 V, 45 mAh A235	12 V, 45 mAh A235	12 V, 45 mAh A235
Battery life cycle	10,000 operations	10,000 operations	10,000 operations

	WTM transmitting module	WRM-24 receiving module	WRM-24B receiving module in IP-54 housing
Specification	incl. 3 connection cables incl. protective casing (can be clipped in elbow switch KFT)	2 outputs, relay contact 100 mA, 48 V	2 outputs, relay contact 100 mA, 48 V
Version		Flush-mounted	Surface-mounted
IP rating	IP 20	IP 20	IP 54
Dimensions	44 x 30 x 11 mm	52 x 47 x 23 mm	130 x 80 x 35 mm
Battery	3V, 150 mAh CR2032		
Battery life cycle	50,000 operations		
Current consumption		24 V, 12.5 mA in standby	24 V, 12.5 mA in standby

	WRM-230 Receiving module	WRM-230B Receiving module in IP-54 housing	WRB-5 Radio reception board
Specification	2 outputs, relay contact 5A, 230V	2 outputs, relay contact 5A, 230V	2 outputs, for clipping onto the DCU control unit
Version	flush-mounted	surface-mounted	Circuit board (for clipping into the control unit)
IP rating	IP 20	IP 54	
Dimensions	52 x 47 x 23 mm	130 x 80 x 35 mm	44 x 27 x 10 mm
Current consumption	230 V, 3.9 mA in standby	230 V, 5.6 mA in standby	5 V, 6 mA in standby

**Application matrix for radio programme**

	<b>ECdrive Slimdrive Powerdrive</b>	<b>TSA Slimdrive EMD</b>	<b>Ecturn</b>	<b>RWA central con- trol unit E260</b>	<b>Window drive</b>
Pulse signal	WRM-24, WRM-24B	WRM-24, WRM-24B	WRB-5		
Pulse and permanent signal	WRM-24, WRM-24B	WRM-24, WRM-24B	WRB-5		
Dead man's signal				WRM-24, WRM-24B	WRM-230, WRM-230B
Self-adjusting signal				WRM-24, WRM-24B	WRM-230, WRM-230B

**Application range****Radio transmitters**

- Transmitter frequency 433.93 MHz
- Safe coding of radio signals using rolling code (approx. 74 trillion code combinations)
- Radio range up to 30 m inside the building
- LED function indicator for battery and transmission check
- All-purpose applicability for doors, windows and for smoke and heat extraction systems, which can be controlled in a system concept individually, together
- or defined in groups without the need for cables

**Radio receivers**

- Simple teaching of the radio transmitters using teach button with acoustic feedback, up to 85 radio transmitters can be taught
- DIP switches for selecting operating mode of the radio receivers (pulse mode, pulse and permanent operation, dead man's operation or self-adjusting mode)
- Tiniest housing dimensions for integrated installation within the drive or a flush-mounted box
- IP 54 surface-mounted version for protected outdoor areas
- 2 outputs for individual connection possibilities

**Order information**

<b>Description</b>	<b>Version</b>	<b>ID.No.</b>
Wireless transmitter, 1 channel	WTH-1	131209
	WTH-2	131210
	WTH-4	131211
Spare battery for wireless transmitter WTH		131217
Transmitting module WTM	WTM	131212
Spare battery for transmitting module		131218
Elbow switch KFT	white, surface-mounted	114078
	stainless steel colour, flush-mounted	114077
Backplate for mounting the elbow switch without screws, e.g. on glass, incl. adhesive tapes and cleaning cloth	white	131219
	stainless steel colour	131220
GEZE elbow switch LS 990	surface-mounted	128582
	flush-mounted	128583
GEZE vent switch LTA-24-AZ	flush-mounted	129393
Receiving module	WRM-24	131213
	WRM-230	131215
Receiving module with IP rating IP 54	WRM-24B	131214
	WRM-230B	131216
Radio reception board	WRB-5	135170

## GEZE SecuLogic electric strike IQ eStrike A5000--F

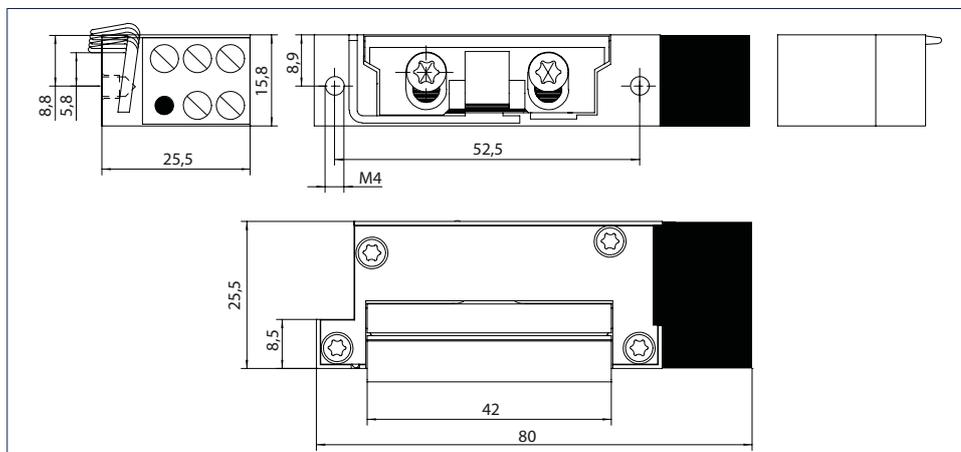
### Compact door opener with integrated radio receiver

The IQ eStrike A5000--F with integrated radio receiver can be used on all standard and smoke protection doors which are to be held closed conveniently. As electric strike fail safe it is locked when without current. The door opener is unlocked when it receives a signal via the wireless transmitter. The door opener can be installed on right and left hung doors. Depending on the specific situation the door opener can be installed vertically or horizontally.

#### IQ eStrike A5000--F



#### IQ eStrike A5000--F



#### Application range

- Doors with electric strikes which are to be opened conveniently by means of hand-held transmitters and radio control.
- Optimum use with the GEZE wireless programme
- For right and left hung doors
- Vertical or horizontal installation
- Use on smoke protection doors

**Technical data**

Product features	IQ eStrike A5000--F
CE tested	•
Universal DIN	left/right
Approval for smoke protection doors	•
Bipolar EMC protection diode integrated	•
Horizontal / vertical installation	•
<b>Functions</b>	
Working current	•
Twin coil technology	•
Radius latch adjustable	3 mm
Height	80 mm
Width	15.8 mm
Depth	25.5 mm
Latch engagement depth	6 mm
Retention force	5000 N
Momentary contact voltage (max. 1 min.)	12 V DC
Current consumption	200 mA at 12 V DC (unlocked), 5 mA at 12 V DC (static state)

• = YES

**IQ eStrike A5000--F - Order information**

Description	ID.No.
GEZE IQ eStrike A5000---F	144980

GEZE key push buttons

Key push buttons for opening automatic doors with authorisation

GEZE key push buttons are offered for a wide range of installation possibilities: wall, floor or ceiling installation. All key push buttons can be used for inside and outside areas.



Burglary-resistant key push button (1)



Burglary-resistant key push button (2)



Key push button stainless steel (1)



Key push button plastic AS 500



Key push button stainless steel (2)



Key push button stainless steel (3)



Main switch (1)



Main switch (2)

Application range

- Actuation of automatic swing, sliding, folding, revolving and circular sliding doors
- Can be used for inside and outside areas as contact authorisation

## GEZE ACTUATION DEVICES / SENSOR SYSTEMS

	Burglary-resistant key push button (1)	Burglary-resistant key push button (2)	Key push button stainless steel (2)	Key push button plastic AS 500
<b>Specification</b>	<ul style="list-style-type: none"> <li>1-pole closing contact</li> <li>Switching voltage: max. 230 V AC</li> <li>Switching current: max. 5 A</li> <li>Spring return, one side</li> </ul>	<ul style="list-style-type: none"> <li>1-pole closing contact</li> <li>Switching voltage: max. 230 V AC</li> <li>Switching current: max. 5 A</li> <li>Spring return, one side</li> </ul>	<ul style="list-style-type: none"> <li>1-pole closing contact</li> <li>Switching voltage: max. 230 V AC</li> <li>Switching current: max. 5 A</li> <li>Spring return, one side</li> </ul>	<ul style="list-style-type: none"> <li>1-pole closing contact</li> <li>Switching voltage: max. 240 V AC</li> <li>Switching current: max. 4 A</li> <li>Spring return, one side</li> </ul>
<b>Version</b>	flush-mounted (not for standard flush-mounted box)/surface-mounted	flush-mounted (not for standard flush-mounted box)/surface-mounted	flush-mounted	flush-mounted/surface-mounted*
<b>IP rating</b>	IP 54	IP 54	IP 54	IP 20
<b>Dimensions</b>	75 x 75 x 11 mm (flush-mounted) 75 x 75 x 50 mm (surface-mounted)	75 x 75 x 11 mm (flush-mounted) 75 x 75 x 50 mm (surface-mounted)	79 x 79 x 13 mm	80 x 80 x 11 mm
<b>Accessories</b>	<ul style="list-style-type: none"> <li>Profile cylinder, ID no. 090176</li> </ul>		<ul style="list-style-type: none"> <li>Profile cylinder, ID no. 090176</li> </ul>	<ul style="list-style-type: none"> <li>*Surface-mounted box, ID no. 120503</li> <li>Switching contact, ID no. 024467</li> <li>Profile cylinder, ID no. 090176</li> </ul>
<b>ID no.</b>	054240 (flush-mounted) 054532 (surface-mounted)	054245 (flush-mounted) 054533 (surface-mounted)	098870	117996

	Key push button stainless steel (2)	Key push button stainless steel (3)	Main switch (1)	Main switch (2)
<b>Specification</b>	<ul style="list-style-type: none"> <li>2-pole closing contact</li> <li>Switching voltage: max. 230 V AC</li> <li>Switching current: max. 5 A</li> <li>Latching, on both sides (key can be removed in position 1)</li> </ul>	<ul style="list-style-type: none"> <li>2-pole closing contact</li> <li>Switching voltage: max. 230 V AC</li> <li>Switching current: max. 5 A</li> <li>Latching on both sides or spring return (key can be removed in position 1)</li> </ul>	<ul style="list-style-type: none"> <li>Mains switch</li> <li>Switching voltage: max. 250 V AC</li> <li>Switching current: max. 16 A</li> <li>Key can be removed in position 1 and 0</li> </ul>	<ul style="list-style-type: none"> <li>Mains switch</li> <li>Switching voltage: max. 250 V AC</li> <li>Switching current: max. 16 A</li> <li>Key can be removed in position 1 and 0</li> </ul>
<b>Version</b>	flush-mounted	surface-mounted	flush-mounted	surface-mounted
<b>IP rating</b>	IP 54	IP 54	IP 54	IP 54
<b>Dimensions</b>	79 x 79 x 13 mm	75 x 74 x 66 mm	90 x 90 x 9 mm	90 x 121 x 72 mm
<b>Accessories</b>	<ul style="list-style-type: none"> <li>Profile cylinder, ID no. 090176</li> </ul>			
<b>ID no.</b>	111357	137056	018433	018354

## GEZE safety switches and buttons

Safety switches and buttons used to deactivate the mains power and to enable emergency opening of automatic doors

GEZE safety switches are equipped with a glass pane or a cover and thus offer protection against misuse. The switches are illuminated and can therefore be found easily even when it is dark.



Interruption button



Emergency stop switch with glass pane



Emergency opening button with glass pane



Emergency stop switch with palm button (1)



Emergency stop switch with palm button (2)



Emergency stop switch with palm button (3)



Emergency opening switch with safety case



Main switch (1)

### Application range

- Safeguarding of automatic swing, sliding, folding, revolving and circular sliding doors
- Use in emergencies for switching off the power supply
- Use in emergencies for opening automatic doors
- Use during maintenance work for switching off the power supply
- Use for hold-open systems for manual release of the hold-open mechanism

## GEZE ACTUATION DEVICES / SENSOR SYSTEMS

	Interruption button	Emergency stop switch with glass pane	Emergency opening button with glass pane	Emergency stop switch with palm button (1)
<b>Specification</b>	<ul style="list-style-type: none"> <li>1-pole changeover contact</li> <li>Switching voltage: max. 250 V AC</li> <li>Switching current: approx. 500 mA</li> </ul>	<ul style="list-style-type: none"> <li>1-pole changeover contact</li> <li>Switching voltage: max. 230 V AC</li> <li>Switching current: max. 10 A</li> </ul>	<ul style="list-style-type: none"> <li>1-pole changeover contact</li> <li>Switching voltage: max. 250 V AC</li> <li>Switching current: approx. 500 mA</li> </ul>	<ul style="list-style-type: none"> <li>Contact system 1 opener / 1 closer</li> <li>Switching voltage: max. 230 V AC</li> <li>Switching current: max. 10 A</li> <li>Lighting: 24 V DC at 15 mA</li> </ul>
<b>Version</b>	flush-mounted/surface-mounted*	flush-mounted/surface-mounted*	flush-mounted/surface-mounted*	flush-mounted
<b>IP rating</b>	IP 40	IP 20	IP 20	IP 40
<b>Dimensions</b>	80 x 80 x 9 mm	80 x 80 x 21 mm	80 x 80 x 21 mm	80 x 80 x 49 mm
<b>Accessories</b>	*Surface-mounted box, ID no.: 120503	*Surface-mounted box, ID no.: 120503 • Spare glass panel, ID no.: 010994	*Surface-mounted box, ID no.: 120503 • Spare glass panel, ID no.: 010994	• 2nd opening contact, ID no.: 100204
<b>ID no.</b>	116266	120881	120880	123132

	Emergency stop switch with palm button (2)	Emergency stop switch with palm button (3)	Emergency opening switch with safety case	Main switch
<b>Specification</b>	<ul style="list-style-type: none"> <li>Contact system 1 opener / 1 closer</li> <li>Switching voltage: max. 230 V AC</li> <li>Switching current: max. 10 A</li> <li>Lighting: 24 V DC at 15 mA</li> </ul>	<ul style="list-style-type: none"> <li>Contact system 1 opener / 1 closer</li> <li>Switching voltage: max. 230 V AC</li> <li>Switching current: max. 10 A</li> <li>Lighting: 24 V DC at 15 mA</li> </ul>	<ul style="list-style-type: none"> <li>Closing contact</li> <li>Switching voltage: max. 24 V DC</li> <li>Switching current: max. 100 mA</li> </ul>	<ul style="list-style-type: none"> <li>Contact system 3 closers</li> <li>Switching voltage: max. 230 V AC</li> <li>Switching current: max. 20 A</li> </ul>
<b>Version</b>	surface-mounted	surface-mounted	surface-mounted	flush-mounted/surface-mounted
<b>IP rating</b>	IP 65	IP 30	IP 40	IP 54
<b>Dimensions</b>	94 x 94 x 122 mm	72 x 147 x 75.5 mm	125 x 125 x 32.5 mm	90 x 90 x 9 mm (flush-mounted) 90 x 121 x 72 mm (surface-mounted)
<b>Accessories</b>	• 2nd opening contact, ID no.: 100204	• 2nd opening contact, ID no.: 100204		
<b>ID no.</b>	076777	024535	067846	018433 (flush-mounted) , 018354 (surface-mounted)

## GEZE smoke switch control unit RSZ 6

### Smoke switch and power supply for all GEZE hold-open mechanisms

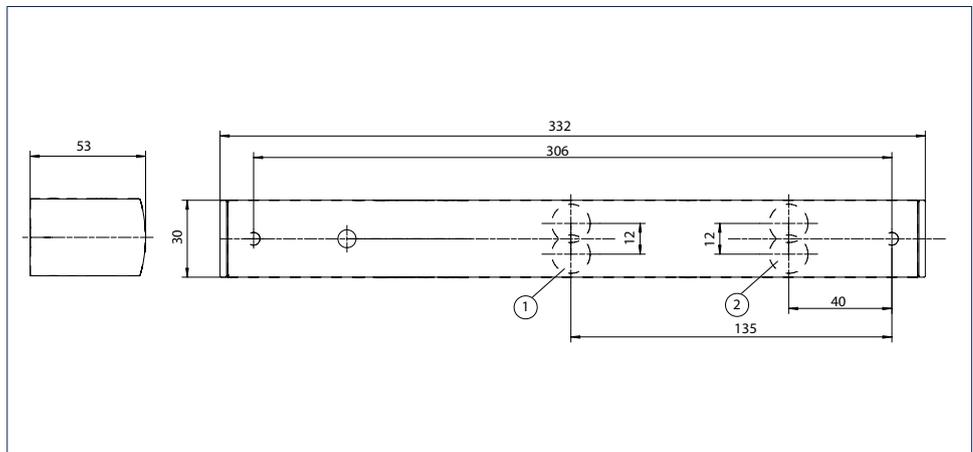
The GEZE smoke switch control unit RSZ 6 in the typical GEZE design has an overall height of 30 mm. It is connected to the 230 V power supply system and supplies the connected hold-open mechanisms reliably with 24 V DC voltage (max. 200 mA).

The smoke switch control unit is mounted on the vertical wall above the door opening, thus making the early detection of fire and smoke possible (please keep at least 20 mm clear of the ceiling). If an alarm is triggered, the voltage supply to the hold-open mechanisms (e.g. electrical hold-open device in the guide rail or holding magnet) is interrupted and the doors close immediately. The connection of two additional ceiling-mounted alarms may be necessary depending on requirements. The integrated smoke switch has an automatic adaptation of the alarm threshold. This compensates light soiling of the smoke chamber and increases service life. The current state of the smoke switch is shown by an optical signal.

### GEZE smoke switch control unit RSZ 6



### GEZE smoke switch control unit RSZ 6



- 1 = Additional connections
- 2 = Power supply UP 230 V AC

### Application range

- Approved for use with all GEZE hold-open mechanisms

**GEZE smoke switch control unit RSZ 6 - Order information**

Description	Version	ID.No.
GEZE smoke switch control unit RSZ 6 Smoke switch and power supply for all GEZE hold-open mechanisms	silver-coloured	099851
	dark bronze	099857
	white RAL 9016	099858
	simulated stainless steel <sup>1)</sup>	099856
	acc. to RAL <sup>2)</sup>	099859
<b>Accessories</b>		
GEZE smoke detector GC 152 Complete with base, 24 V DC, 20 mA, tested in accordance with EN54-7, with general approval for use with all GEZE hold-open systems, integrated line monitoring, conform with DIN EN 14637	white	139850
GEZE thermal detector GC 153 Complete with base, 24 V DC, 20 mA, tested in accordance with EN54-5, with general approval for use with all GEZE hold-open systems, integrated line monitoring, conform with DIN EN 14637	white	139881
GEZE manual trigger switch Flush-mounted version, for manual release of electrically controllable door hold-open mechanisms	alpine white	116266
Surface-mounted box, single suitable for the AS 500 switch range		120503
GEZE manual trigger switch with glass cover and 5 interchangeable letterings Flush-mounted version, for manual release of electrically controllable door hold-open mechanisms	alpine white	120880
Replacement glass cover for GEZE manual trigger switch 120880 and 120881		010994

1) Only for dry rooms

2) Surcharge for RAL special colours, see General Information in the Price List.



Nursing Home Zamenhof, Stuttgart, Germany (Photo: Dirk Wilhelmy)

## GEZE miscellaneous

## Accessories for special requirements for the operation and safety of automatic doors

GEZE offers different accessories for special requirements. The cast casings and the metal keyboard of the number code locks are especially helpful against vandalism.



Rotary switch contact



Profile cylinder for key push button



Profile cylinder for floor locks



Toplock CTI



Toplock CTI B with lighting



Toplock CTS V with metal keypad



Toplock CTI BV with lighting

**Application range**

- Actuation and safeguarding of automatic swing, sliding, folding, revolving and circular sliding doors
- Use as contactor when door handle is pressed
- Use for floor locking of sliding doors
- Use as access control for inside and outside areas

## GEZE ACTUATION DEVICES / SENSOR SYSTEMS

	Rotary switch contact	Profile cylinder for key push button	Profile cylinder for floor locks
<b>Specification</b>	<ul style="list-style-type: none"> <li>• Closing contact</li> <li>• Switching voltage: max. 24 V DC</li> <li>• Switching current: max. 35 mA</li> <li>• 4m connection cable</li> </ul>	<ul style="list-style-type: none"> <li>• Profile cylinder for key push button 40 mm (10/30) one-sided locking, with 3 keys, ID no. 090176</li> </ul>	<ul style="list-style-type: none"> <li>• Profile cylinder for floor locks 46 mm (9/37) one-sided locking, for ISO and toughened safety glass fittings, with 3 keys, ID no. 019053</li> <li>• Profile cylinder for floor locks 66 mm (31/35) two-sided locking, for toughened safety glass fittings, with 3 keys, ID no. 091052</li> <li>• Profile cylinder for floor locks 71 mm (31/40) two-sided locking, for ISO fittings, with 3 keys, ID no. 023356</li> <li>• Profile cylinder for floor locks 66 mm (31/35) two-sided locking, packed in pairs, for toughened safety glass fittings, with 3 keys, ID no. 074861</li> <li>• Profile cylinder for floor locks 71 mm (31/40) two-sided locking, packed in pairs, for ISO fittings, with 3 keys, ID no. 074862</li> </ul>
<b>Dimensions</b>	23 x 39 x 8 mm	see specification	see specification
<b>ID no.</b>	081024	see specification	see specification

	Toplock CT I	Toplock CT I B with lighting	Toplock CTS V with metal keypad	Toplock CTS BV with lighting
<b>Operating voltage</b>	12 - 24 V DC / 12 V AC	12 - 24 V DC / 12 V AC	230 V AC	230 V AC
<b>Output</b>	potential-free closing contact 24 V DC 1 A	potential-free closing contact 24 V DC 1 A	potential-free relay output 250 V 5 A	potential-free relay output 250 V 5 A
<b>IP rating</b>	IP 65	IP 65	IP 65 (keypad), IP 43 (evaluation unit)	IP 65 (keypad), IP 43 (evaluation unit)
<b>Dimensions</b>	80 x 80 x 15 mm	60 x 126 x 22.5 mm	80 x 80 x 15 mm or 110 x 188 x 40 mm	60 x 126 x 22.5 mm or 110 x 188 x 40 mm
<b>ID no.</b>	090061	090063	090077	090079

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

## Door technology

<b>01</b>	Overhead door closers ID 091593, ID 091594
<b>02</b>	Hold-open systems ID 091593, ID 091594
<b>03</b>	Integrated door closers ID 091609
<b>04</b>	Floor springs ID 091607
<b>05</b>	Sliding door gear systems and linear guides ID 123605, ID 008770, ID 000586

## Automatic door systems

<b>06</b>	Swing doors ID 144785
<b>07</b>	Sliding, telescopic and folding doors ID 143639
<b>08</b>	Circular and semi-circular sliding doors ID 135772
<b>09</b>	Revolving doors ID 132050
<b>10</b>	Actuation devices and sensors ID 142655

## Smoke and heat extraction and window technology

<b>11</b>	Fanlight opening systems ID 127787
<b>12</b>	Electric opening and locking systems ID 154851
<b>13</b>	Electrical spindle and linear drives ID 154851
<b>14</b>	Electric chain drives ID 154851
<b>15</b>	Smoke and heat extraction systems ID 154851

## Safety technology

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

## Glass systems

<b>21</b>	Manual sliding wall systems (MSW) ID 104377
<b>22</b>	Integrated all-glass systems (IGG) ID 104366
<b>23</b>	GEZE Patch fittings mono glass systems ID 122521



# 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. 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 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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