



# Assembly instruction GfS Exit Control 179/1125

## Content

Norms . . . . .	p. 2	Installation on glass framed doors/fire doors . . . . .	p. 6
GfS Exit Control 179 with pre-alarm . . . . .	p. 2	Installation on doors with panic bars . . . . .	p. 7
GfS Exit Control 179 with radio transmitter . . . . .	p. 3	Installation on doors with security latches . . . . .	p. 8
Mounting scheme of the GfS Exit Control 179/1125 . . . . .	p. 4	Spare parts . . . . .	p. 9
Function of the GfS Exit Control 179 . . . . .	p. 6	Certificates . . . . .	p. 10-11



Part.-No. 990 000

**5 YEARS  
WARRANTY**



Part.-No. 990 100



Part.-No. 994 000



**GfS – Gesellschaft für Sicherheitstechnik mbH**

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## GfS Exit Control 179

Art. Nr. 990 000

### Norms

In 2003 the harmonized European Norms EN 179 and EN 1125 for mechanical panic locks were published. Emergency exits which are designed according to EN 179 are typically equipped with a door handle, while EN 1125 requires a panic or touch bar which covers at least 60 % of the door width. The EN 1125 applies to all buildings which bear the potential risk of panic. The risk is considered to be high in buildings in which a lot of persons fit who cannot be trained on how to use the

emergency exits. Depending on an individual risk assessment the doors are designed according to one of these two norms. In many countries the use of emergency exit locks and panic bars are enforced by national construction laws. The GfS Exit Control 179/1125 are certified according to these two norms by the MPA NRW (Materialprüfamt Nordrhein-Westfalen). They effectively secure the door and permit an operation of the door according to the norm.



The inhibition threshold underneath the door handle is in place. However the door can be opened with one single grasp.



While using the door handle the GfS Exit Control 179 drops down vertically. It is possible to use the emergency exit with one single grasp. A permanent alarm signal is triggered. It is switched off with the key.



By turning the key clockwise the GfS Exit Control can be moved into the permanent release position. The door can be opened „normally“.



Authorized persons don't use the door handle. Instead they open the door by turning the key in the cylinder clockwise till the bolt and latch of the lock are completely pulled back.

## GfS Exit Control 179 with pre-alarm

Part.-No.: 990 100

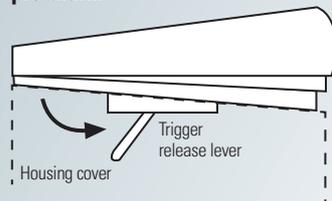
### Principle and function

By slightly pressing the door handle on the red insertion of the GfS Exit Control a non-permanent alarm is triggered. As soon as the door handle is released the alarm expires.



In certain cases the pre-alarm function helps to avoid false alarms. However, if the handle is pressed down completely, the permanent alarm will be triggered.

### Special feature of pre-alarm



When the housing cover is closed, the trigger release lever of pre-alarm must be folded out completely.

## GfS Exit Control 1125 for panic bars

Part.-No.: 994 000

### Principle and function

The GfS Exit Control 1125 is equipped with a special red insertion which makes it possible to employ basically the same product on door handles and panic bars. The red insertion might be equipped with a pre-alarm and a remote sender.



In this position the GfS Exit Control 1125 secures the panic bar.

## GfS Exit Control 179 with radio transmitter (868,3 MHz)

Part.-No. 990 040

### Description of the function

In case of an emergency the GfS Exit Control 179 with radio transmitter sends a signal to a display panel, a Radio Alarm Light or a radio receiver. An acoustic alarm is emitted by the integrated siren (105 dB) The GfS Exit Control 179 with radio transmitter sends an "IN" and "OUT" signal through 2 channels within a range of approx. 30 meters.

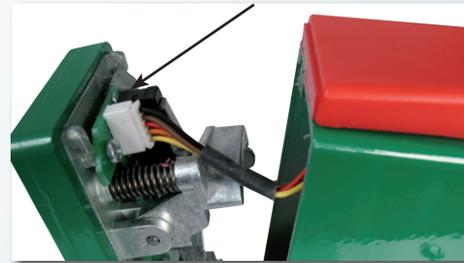
### Mounting instruction

Avoid mounting at the following spots because the range can be reduced:

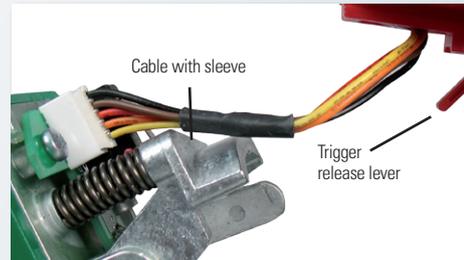
- On the ground and in the immediate vicinity of metal objects
- Other transmitters in the frequency vicinity
- Appliances or systems that have not been de-jammed

### Technical data

Frequency: 868,3 MHz  
 Power Supply: 9 V battery included in delivery  
 Also available: Terminal connection/  
 with 12 V DC or 24 V DC  
 Current consumption: less than 5 mA when not in use  
 Operating temperature: -20° C to +60°C



Open the housing slowly and pull out the cable of the radio transmitter.



When the housing cover is being closed, the trigger release lever must be folded out completely and the cable must lay on the side.

## GfS Exit Control 179 with floating contact and external power supply

Part.-No. 990 010

### IMPORTANT ADVICES

- When the cable is laid obstructed inside the door leaf, drill the cable route with 8 mm diameter.
- If it is necessary to remove the cable before laying, it has to be installed as before afterwards.
- If the third party supply is connected over the external power supply the 9 V battery must not be connected. The battery clip has to be isolated with the attached shrink tubing.

### CABLE CONFIGURATION

Floating contact

- black C
- violet NO (closed when activated)
- pink NC (closed when quiescence)

### Position report

- green C
- brown NO (closed when permanent passage)
- yellow NC (open when permanent passage)

### External power supply

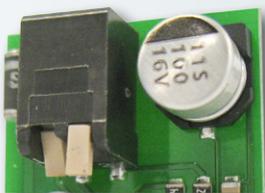
- red +9 to 12 VDC (24 V DC on request)
- blue GND
- white 24 V DC (optional)

**All other wires are not used!**

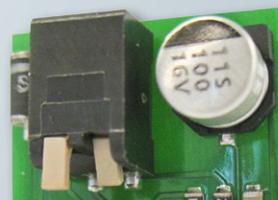
## Automatic alarm switch-off

Part.-No. 901 900

The automatic alarm switch-off can be set at 2 or 6 minutes by using a DIP switch.



**1 = ON** Alarm switched-off  
**2 = OFF** after 2 minutes



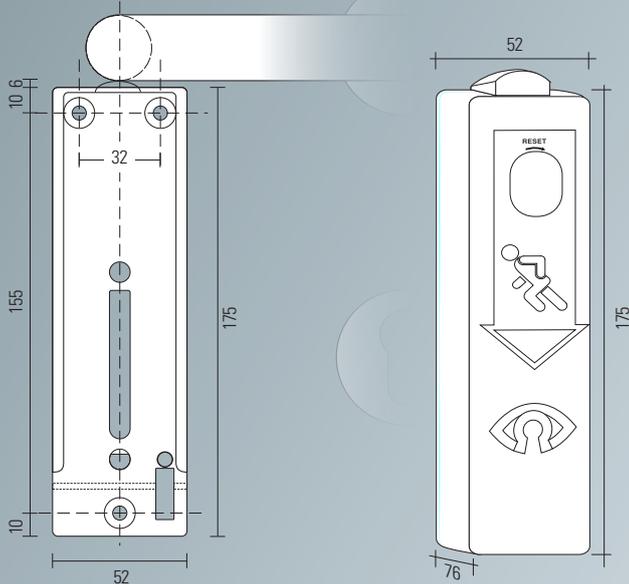
**1 = OFF** Alarm switched-off  
**2 = ON** after 6 minutes

## Mounting scheme of the GfS Exit Control 179

Hold the GfS Exit Control 179 vertically underneath the door handle and place it in such a way that it is concentric with the end of the door handle. Mark the position of the GfS Exit Control 179.

All GfS Exit Controls are shipped with an European profile cylinder. The profile cylinder might be replaced by a cylinder with similar dimensions (length 30/10). **In case that the length is bigger than 30/10mm the GfS Exit Control has to be altered.**

### GfS Exit Control 179



### GfS Exit Control 179 with pre-alarm

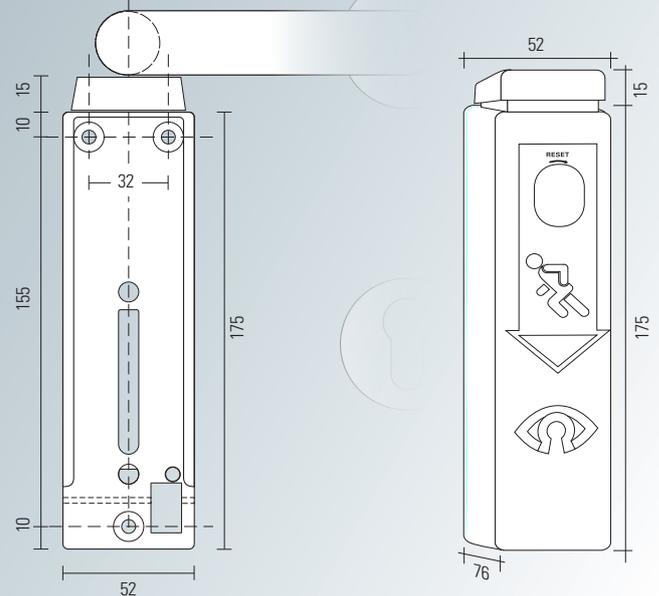


Illustration 1

It must be possible to operate the door handle to its maximum end stop.  
The GfS Exit Control 179 and the mounting accessories must not obstruct the free movement of the door handle.

## I. Open GfS Exit Control 179/1125

In order to open the GfS Exit Control 179/1125 the key has to be turned anti-clockwise. By doing this you will feel a certain resistance. With a resolute operation you will get over the point of resistance. You can feel how the cover of the GfS Exit Control is released and will hear an audible „click“.

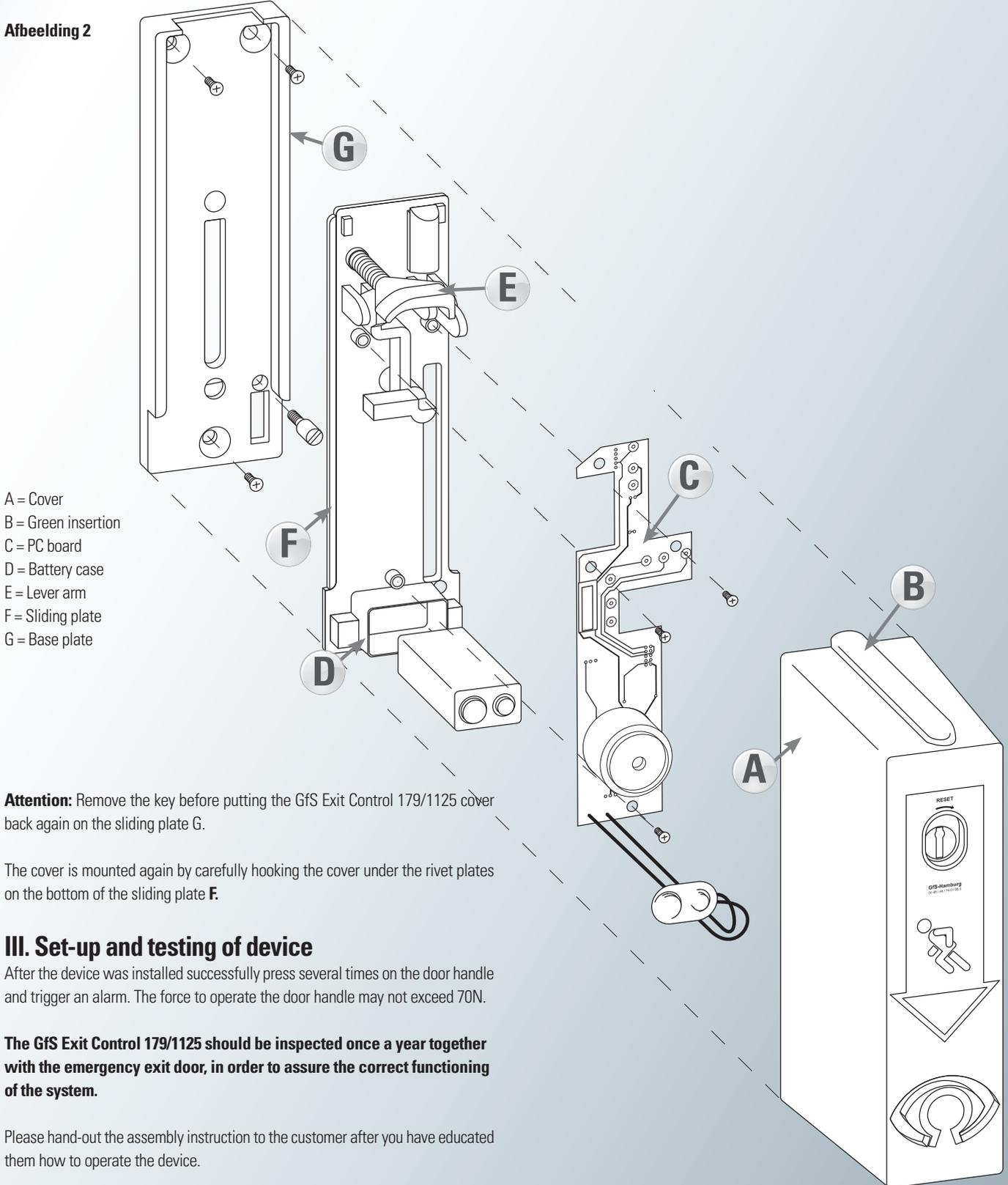


## II. Installing the GfS Exit Control 179/1125

Press at the same time on the lever arm **E** in the area of the spring and lift it with a second finger on the opposite side in a way that the sliding plate **F** can be moved downward till it snaps into place. Remove the battery. Mark the position of the two upper screw wholes. Fix the GfS Exit Control 179/1125 with two screws on the door. Lift the sliding plate **F** again by putting pressure on the lever arm **E** in the area of the spring and lift it with a second finger on the opposite side at the same time. The base plate **G** is fixed on the door plate with a third screw which is fastened through the battery case **D**. Connect the battery.

It must be possible to operate the door handle to its maximum end stop. The GfS Exit Control 179 and the mounting accessories must not obstruct the free movement of the door handle.

Afbeelding 2



- A = Cover
- B = Green insertion
- C = PC board
- D = Battery case
- E = Lever arm
- F = Sliding plate
- G = Base plate

**Attention:** Remove the key before putting the GfS Exit Control 179/1125 cover back again on the sliding plate G.

The cover is mounted again by carefully hooking the cover under the rivet plates on the bottom of the sliding plate **F**.

## III. Set-up and testing of device

After the device was installed successfully press several times on the door handle and trigger an alarm. The force to operate the door handle may not exceed 70N.

**The GfS Exit Control 179/1125 should be inspected once a year together with the emergency exit door, in order to assure the correct functioning of the system.**

Please hand-out the assembly instruction to the customer after you have educated them how to operate the device.

## Installation on glass framed doors

Hold the plate under the door handle where the GfS Exit Control 179 is to be installed (see page 5). The holes for the screws must be on the frame.

Mark the bore holes and fasten the first plate on the frame with 4 screws. To secure it, fasten the 2 rivets to the frame. Place the second plate over the first, so that the 4 screws are covered. Now install the GfS Exit Control 179 to the plate as described on page 6/II.

### The Installing-set consists of

- 2 Mounting plates (1. plate for mounting onto the frame + 2. plate for GfS Exit Control 179)
- Screws for fastening the GfS Exit Control 179 onto the mounting plate + 2 rivets

**Attention: In order to assure the correct and safe positioning of the mounting plates fasten the 4 screws and insert the grooved pin.**

**It must be possible to operate the door handle to its maximum end stop. The GfS Exit Control 179 and the mounting accessories must not obstruct the free movement of the door handle.**

## Installation on fire doors

Position the GfS Exit Control 179 properly under the door handle (see page 5) and mark the spot.

To ensure the best grip, the surface should be clean, dry and non-greasy. To do this take a piece of sandpaper and rub the spot the GfS Exit Control 179 will be on. Remove the dust with a clean cloth.

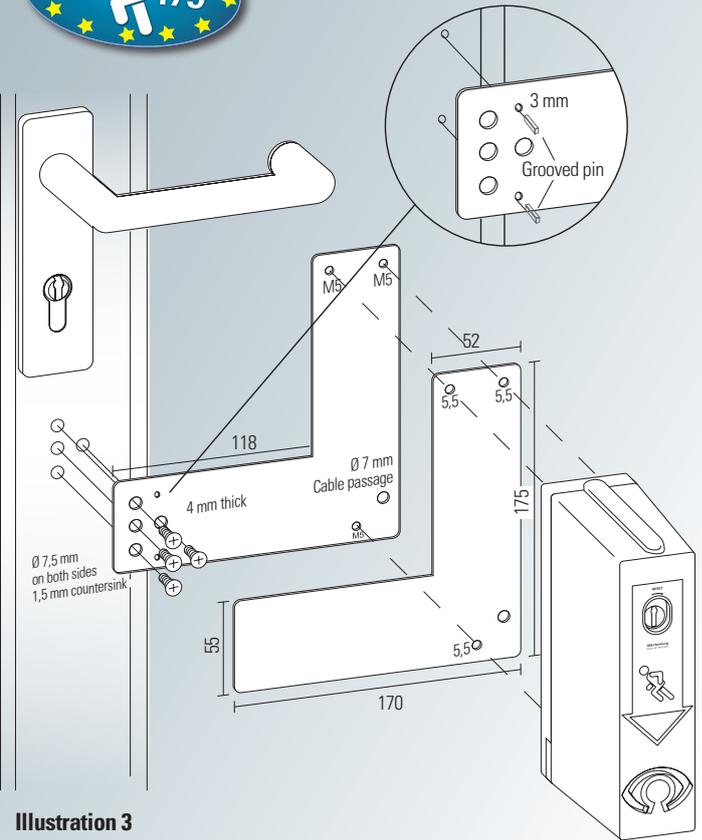
Remove the protective foil of the adhesive coat of the mounting plate and press it against the door frame and hold them for a while.

Allow the adhesive approx. 1 hour to harden. before the GfS Exit Control 179 is mounted with the 3 screws on the mounting plate.

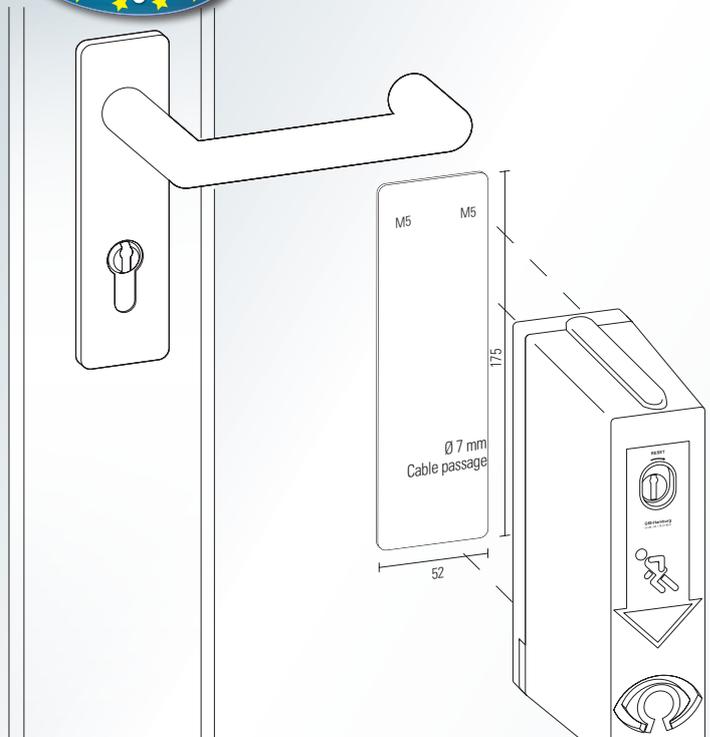
### The installation kit consists of

- Mounting plate for the GfS Exit Control 179
- Adhesive tape (already on the mounting plate)
- Screws for mounting the GfS Exit Control 179

**It must be possible to operate the door handle to its maximum end stop. The GfS Exit Control 179 and the mounting accessories must not obstruct the free movement of the door handle.**



**Illustration 3**  
Installation with mounting plate (Part.-No. 991470 or 991770)



**Illustration 3a**  
Installation with mounting plate (Part.-No. 901670)

## Installation on doors with panic bars

Hold the plate under the panic bar where the GfS Exit Control 179 is to be installed. The holes of the screws must be on the frame.

Please make sure that the mechanical trigger release function of the panic bar is ensured right to its maximum end stop.

The GfS Exit Control 1125 and the mounting accessories must not obstruct the movement of the handle in any way.

Mark the spot where the first holes will be and fasten the first plate with 4 screws. To secure it, fasten the 2 rivets to the frame. Place the second plate over the first, so that the 4 screws are covered. Now install the GfS Exit Control 179 onto the mounting plate.

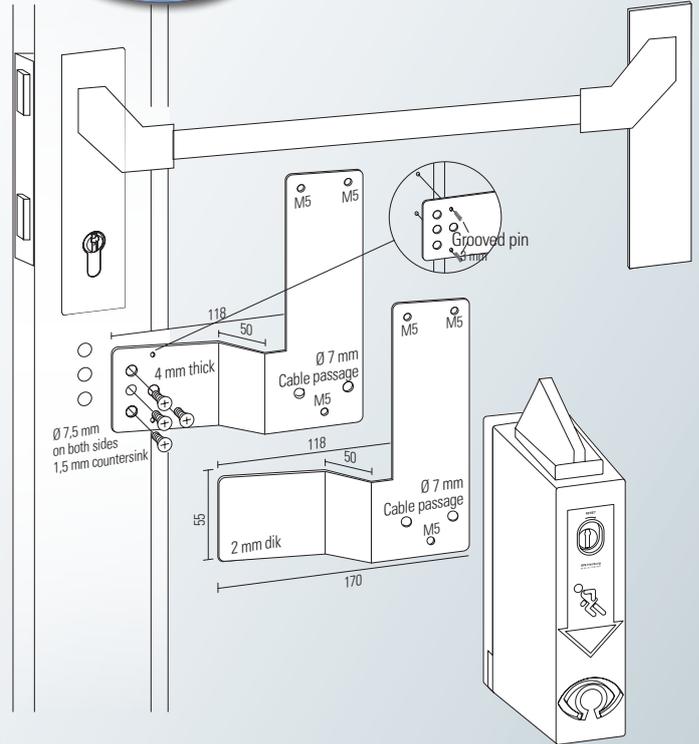
### The Installation-set consists of

- 2 Mounting plates (1. plate for mounting onto the frame + 2. plate for the GfS Exit Control 1125)
- Screws for fastening the GfS Exit Control 1125 onto the mounting plate + 2 rivets

**Attention: In order to assure the correct and safe positioning of the mounting plates fasten the 4 screws and insert the grooved pin.**



Ideally, the panic bar rests in the middle of the front part of the red insertion of the GfS Exit Control 1125



**Illustration 4**

Installation with the cranked mounting plate e. g. Part-No. 991 370

**It must be possible to operate the door handle to its maximum end stop. The GfS Exit Control 179 and the mounting accessories must not obstruct the free movement of the door handle.**

## Installation on doors with security latches

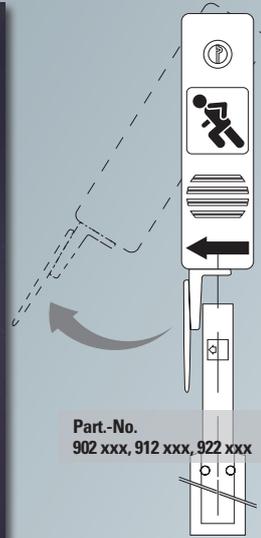
### Security latch to the right or to the left

The attachment of the GfS Exit Control is on the right or left side of the security latch. Remove the screws of the GfS Exit Control and pinch off the battery. Swing the GfS Exit Control into a horizontal position and hold it over (resp. for windows

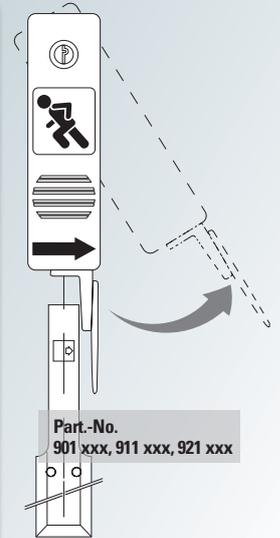
below) the security latch to mark the bore holes. Fasten the GfS Exit Control in this position with 4 screws. Replace the battery and close the cover with the screws.



GfS Exit Control for latch to the left



GfS Exit Control for latch to the right

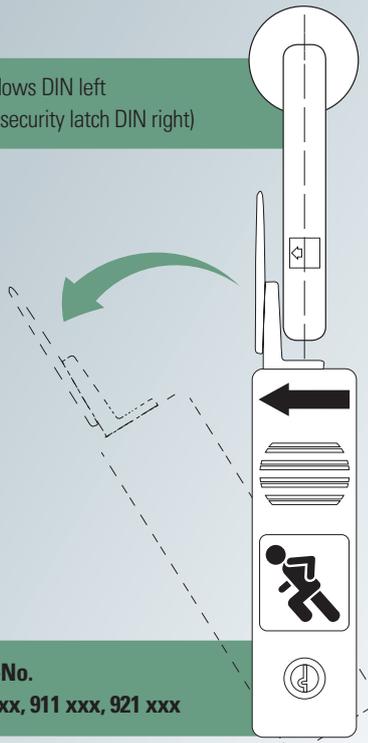


## Installation on emergency exit windows

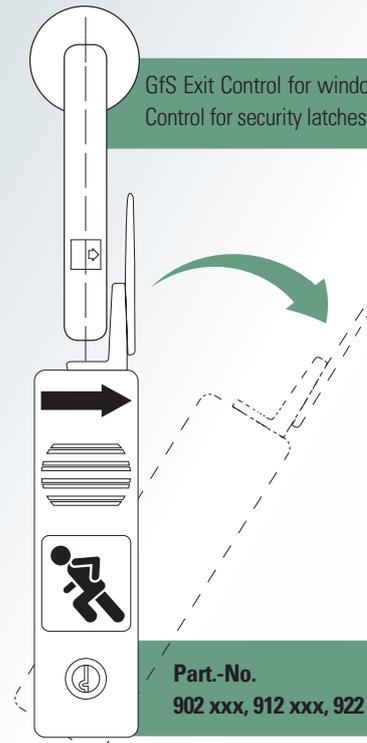
### Window handle (DIN left/DIN right)

The installation on emergency exit windows see on the bottom of this page. As the GfS Exit Control is installed below the window handle, the GfS Exit Control has to be turned by 180° in order to mount it.

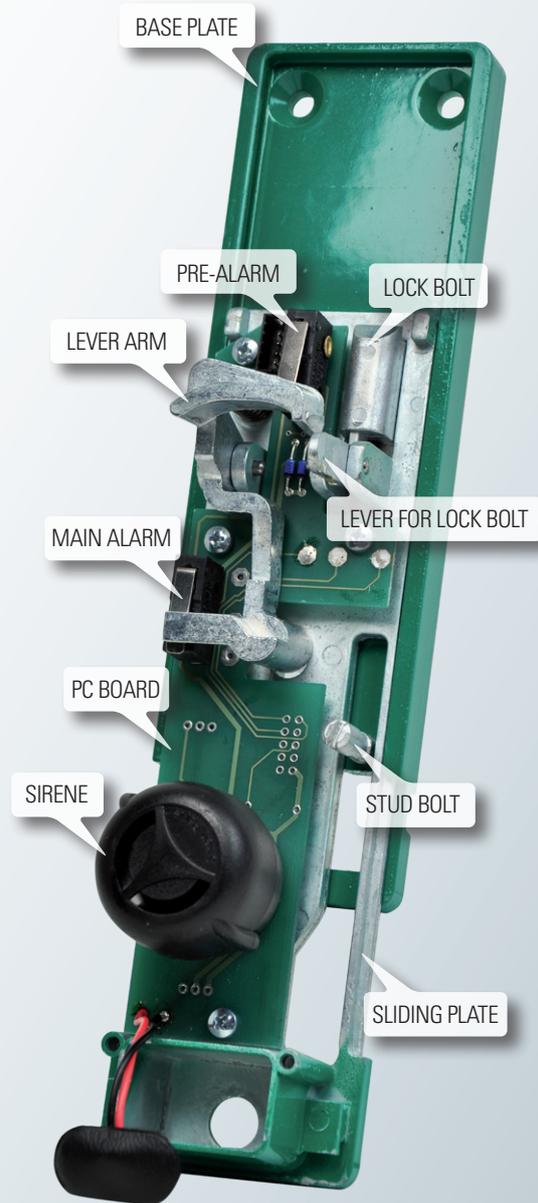
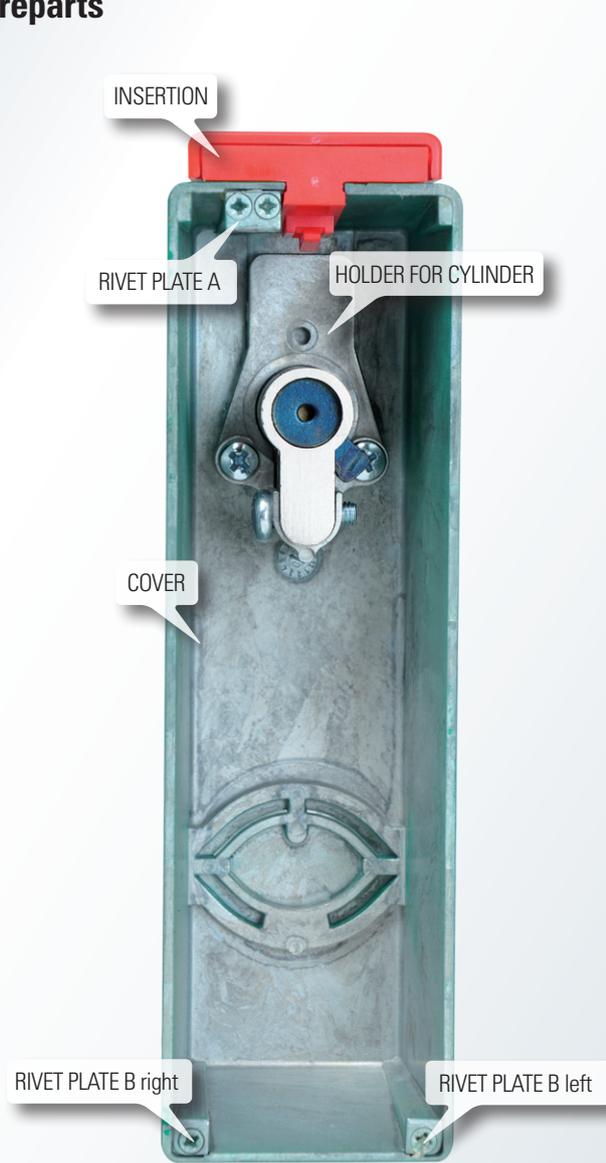
GfS Exit Control for windows DIN left  
(use GfS Exit Control for security latch DIN right)



GfS Exit Control for windows DIN right (use GfS Exit Control for security latches DIN left)



# Spareparts



<b>Replacement cover with green insertion</b>	<b>Part.-No.</b>
without European cylinder, incl. small picto	980 040
with European cylinder, incl. small picto	980 043
<b>Sliding plate</b>	880 068
<b>Base plate</b>	880 069
<b>Lock bolt (not to be ordered alone)</b>	
<b>Lever for lock bolt</b>	880 063
<b>Rivet plate</b>	
A	880 006
B, right	880 007
B, left	880 008
<b>Lever arm</b>	990 018
<b>Holder for cylinder</b>	880 072
<b>Green insertion for GfS Exit Control 179</b>	830 017
<b>Red insertion for GfS Exit Control 179</b>	
with pre-alarm	830 033
with radio transmitter	830 019
with radio transmitter and pre-alarm	830 038

<b>Red insertion for GfS Exit Control 1125</b>	
Standard	906 000
with pre-alarm	830 032
with radio transmitter	830 034
with radio transmitter and pre-alarm	830 039
<b>Sirene</b>	901 571
<b>Stud bolt</b>	880 081
<b>PC board</b>	
Standard	990 005
with pre-alarm	990 006
with voltage-free transformer	990 015
with pre-alarm + with voltage-free transformer	990 016
Radio, 868 MHz	990 047
<b>Microswitch for main-alarm</b>	880 001



**MATERIALPRÜFUNGSAMT NORDRHEIN-WESTFALEN**

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## PRÜFZERTIFIKAT

### Nr. 120002126.15

Aufgrund der in der notifizierten Prüfstelle für Baubeschläge des MPA NRW durchgeführten Prüfungen wird bestätigt, dass

das Bauprodukt

GFS Türwächter  
**EN 179 Einhandbedienung**

der Firma

GFS-Gesellschaft für Sicherheitstechnik mbH  
Tempowerkring 15  
D-21079 Hamburg

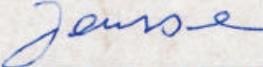
geeignet ist, zusammen mit  
Notausgangsverschlüssen  
gemäß der harmonisierten  
europäischen Norm

DIN EN 179: 2002-06  
Schlösser und Baubeschläge;  
Notausgangsverschlüsse mit Drücker oder Stoßplatte-  
Anforderungen und Prüfverfahren (enthält Änderung  
A1:2001) -  
Deutsche Fassung EN 179: 1997 + A1:2001

verwendet zu werden.

Der GFS-Türwächter EN 179 kann ohne weitere Prüfungen in die EG-Konformitätszertifikate der entsprechenden Notausgangsverschlüsse aufgenommen werden.

Dortmund, den 08. September 2004  
Im Auftrag

  
Dipl.-Ing. Hermann Jansen  
Prüfstellenleiter



Dieses Zertifikat umfasst 1 Seite.

Diesem Zertifikat liegt der Prüfbericht Nr. 120002126.10 des MPA NRW als Beurteilungsgrundlage zugrunde



## MATERIALPRÜFUNGSAMT NORDRHEIN-WESTFALEN

Marsbruchstraße 186 • 44287 Dortmund-Aplerbeck • Telefon (0231) 4502-480 • Telefax (0231) 4502 586 • Internet www.mpanrw.de

Paniktürverschlüsse nach DIN EN 1125 für 1- und 2flügelige Türen

Bezeichnung:

**BKS Paniktürverschluss-Kombinationen**

**Alternative- & Sonder-Ausstattung, Sonderausführungen**

### 1. Schließzylinder

#### 1.1 Sonderzylinder ohne Einfluß auf die Funktion des Verschlusses

Hersteller	Produktbezeichnung
SECCOR high security GmbH	SECCOR ZL SECCOR ZL-E SECCOR ZL-P SECCOR ZL-PE
SimonsVoss Technologies AG	Digitaler Schließzylinder 3061 Typ .AP

#### 1.2 Elektronik-Zylinder

Hersteller	Produktbezeichnung
Gretsch-Unitas GmbH Baubeschläge BKS GmbH	Schließsystem ESI 58
KESO GmbH	Serie KEK <i>genie</i> BS

### 2. Außenbeschläge

Außenbeschläge (als halbe Garnitur) gemäß DIN 18273 mit Übereinstimmungsnachweis dürfen verwendet werden. Es sind die den Stangengriffen zugehörigen Stifte zu verwenden.

### 3. Sicherungseinrichtungen

Gegen die Sicherung der Paniktürverschlüsse mit dem GfS-Türwächter „**GfS-Tag-Alarm**“ und „**GfS EH-Türwächter für Panikstangen**“, bestehen keine Bedenken.

Hersteller: GfS Gesellschaft für Sicherungstechnik mbH  
Tempowerkring 15  
21079 Hamburg



## General information

### Disposal

Dispose an obsolete GfS Exit Control at a collecting point for electronic waste or at your supplier. Dispose the packaging material at a paper collecting point for paper resp. plastic. You may not dispose an obsolete device the general garbage.



### Warranty

Within the legal warranty time we intend to repair all defect devices, whether the defect is caused by the material or assembly, or replace them. The warranty expires after a third-party repair.

### Conformity

This product complies with the essential requirements of the R&TTE guideline 1999/5/EG. The certificate of conformity you may request from your supplier.

### Service

In case of a system failure or a defect GfS Door Terminal please contact the following address:

Stamp

**Technical approval (operator)  
for the mutual safeguarding for the local dealer/assembler and end customer**

The installation was done properly.

Only systems according to DIN EN 1125 have been installed

The systems have been tested and are working properly.

Peculiarities of the building site:

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All devices are freely accessible at the time of handing over the system to the operator.

The systems have been tested and approved.

\_\_\_\_\_  
Place, Date

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Company



## Technical approval (installer) for the mutual safeguarding for the local dealer/assembler and end customer

### The installer has informed the operator of the following:

- Functionality and use
- Resetting the alarm
- Battery change
- Special functions (e.g. Pre-alarm)
- The option of transmitting the alarm
- Surrender this installation guide to the operator

### The operator has been informed that following maintenance and controls are to be done:

- Battery check (recommended annually)
- Control of the operations (recommended annually)
- Visual check (recommended annually)

\_\_\_\_\_  
Place, Date

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Company

