



Description of the GfS-e-Bar®

State of alarm of the GfS e-Bar®



Door-too-long-open-Alarm

Pre-condition for this feature is a reed-contact which is installed on the door and connected to the GfS e-Bar®. When the single release has been activated on the integrated key switch and the door stays open for more than 15 sec. a gentle "door-too-long-open"-alarm is emitted in an interval of 3 sec. This alarm indicates that an authorized person has left the door open. As soon as the door is closed the alarm expires. This alarm can be transmitted to a central display (see operating manual page 18).

GfS e-Bar® activated

When activated the display of the cabled GfS e-Bar® is permanently illuminated green. Green is signaling that the door is alarm secured but might be opened at any time. In case of battery supply the GfS e-Bar® works in an energy saving mode without background illumination. The display shines for just about 15 sec. green and expires then.

Pre-alarm as additional inhibition

While slightly pressing the GfS e-Bar® a red flashing light and an acoustic alarm (95dBA/1m) is emitted, which expires as soon as the GfS e-Bar® is released. The prealarm is activated just during the first mm of the pushing movement. The correct moment when the pre-alarm is turning into a main alarm can be adjusted by a regulating screw resp. in older versions of the GfS e-Bar® by a reed contact (see operating manual page 8). It would be ideal if the pre-alarm is set in a way that the main alarm is just activated when the GfS e-Bar® is pushed to a point in which the door is released. The pre-alarm can be transmitted to a central display.

Main alarm in case of an unauthorized or an emergency passage

When pressing the GfS e-Bar® completely the door is released. At the same time the display emits an intermittent green light and a permanent alarm with 95dBA. The acoustic and visual alarm can be just switched-off on the integrated key switch. The main alarm can be transmitted to a central display. With remote technology the main alarm is transmitted via channel 1.

Battery Control

When the GfS e-Bar® is battery supplied a gentle acoustic alarm in an interval of 60 sec is emitted as soon as the voltage drops below 7 V. The display is not shining. The alarm is active till a new battery is connected. The Battery-control-Alarm cannot be transmitted to a central display



Description of the GfS-e-Bar®

Using the GfS e-Bar®



Deactivation of main alarm

The main alarm can just be deactivated by a) turning the key in the integrated key switch by 90° into the 12.00 o'clock position b) turning the key back by 90°.

Afterwards the key should be removed. 15 sec. after this operation the GfS e-Bar® is activated again.

The display shines permanently green (external power supply) resp. for 15 sec. green and expires then (battery powered). In case that a reed-contact is installed and connected to the GfS e-Bar®, the GfS e-Bar® is activated again after the door is closed. Attention: There is no possibility to deactivate the GfS e-Bar® by an external switch!

Single release

By using the integrated key switch or by employing an external access control system, an authorized person may pass the emergency exit once without causing an alarm.

To achieve this the key switch has to be turned by 90° into the 12.00 o'clock position and turned back. The key should be removed. 15 sec. after this operation the GfS e-Bar® is activated again. The display shines permanently green (external power supply) resp. for 15 sec. green and expires then (battery powered).

In case that a reed-contact is installed and connected to the GfS e-Bar®, the GfS e-Bar® is activated immediately after the door is closed. With an installed reed-contact a gentle "door-too-long-open-alarm" is emitted after the door has been left open for more than 15sec.

When closing the door again the alarm expires immediately. The gentle "door-too-long-open-alarm" emits sounds in an interval of 3 sec. The single release can be activated and deactivated by external access control systems (see operating manual page 18). Alternatively the single passage is possible by turning the key in the lock of the door.

Permanent release

By using the integrated key switch an authorized person may deactivate the GfS e-Bar® in order to pass the emergency exit for a longer period of time. When the permanent release is activated the door can be passed without causing an alarm. The status is communicated by a rising and ebbing of the green display. To achieve this the key in the key switch has to be

- a) turned by min. 90° into the 12.00 o'clock position
for more than ca. 5 sec. and
- b) turned back by 90°.

The key should be removed. The permanent release is activated till the key is turned again by min.

90° into the 12.00 o'clock position and removed afterwards. This status can be activated and deactivated by external signals (timer, access control systems etc.). The status can be transmitted to a central display (see operating manual page 18). With remote technology the main alarm is transmitted via channel 2.



Description of the GfS-e-Bar®

Special GfS e-Bar® set up which can be executed by the customer

Switching the color codes of the GfS e-Bar®:

The color code of the GfS e-Bar® can be changed without any external programming tool. To do this the following steps have to be taken:

- Disconnect the GfS e-Bar® completely (resp. remove battery) and wait for approx. 10 sec.
- Connect the GfS e-Bar® again to main supply (changing the color code is not possible with battery supply)!
- Turn the key in integrated key-switch of the GfS e-Bar® into the permanent opening mode
- During the next 60 sec. the GfS e-Bar® has to be pressed for about 15 sec. till the mechanical stop
- Color changes now every 2 sec three times
- Release the GfS e-Bar® and turn the key in the integrated key switch briefly when the required color shines
- GfS e-Bar® displays this color permanently
- The programming has ended the GfS e-Bar® is in the permanent-open-mode

To change the color code again the process has to be restarted again (disconnect power supply)!

Attention: The brightness of the color red cannot be adjusted with the programming tool. All other settings are not affected by the changed color code.

Setting the automatic alarm switch-off

The jumper on the PCB of the GfS e-Bar® has to be placed on the free pin in a way that the pin and the pin in the middle are bridged (see operating manual page 8). After three minutes the main alarm will switch-off automatically. The switch-off time might be changed with the programming tool according to the specific needs of the customer. Attention: Never remove the jumper completely!

Special GfS e-Bar® set up which just can be executed by GfS

- Color brightness
- duration of alarm
- noise level
- delayed alarm
- time for activating "door-too-long-open"-alarm etc.