



# GfS Day Alarm

## Assembly instructions



Art.-Nr.: 700000/730000



Art.-Nr.: 710000



Art.-Nr.: 740000 / 741000



**GfS – Gesellschaft für Sicherheitstechnik mbH**

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## GENERAL DESCRIPTION

The GfS Day Alarm is a cost-effective and simple solution to secure emergency exits. The opening status of the emergency exit door is monitored by a radio or cable reed contact.

When walking through the door an acoustic alarm (95dB) and flash-light is triggered. Authorized persons may deactivate the GfS Day Alarm by the integrated key switch.

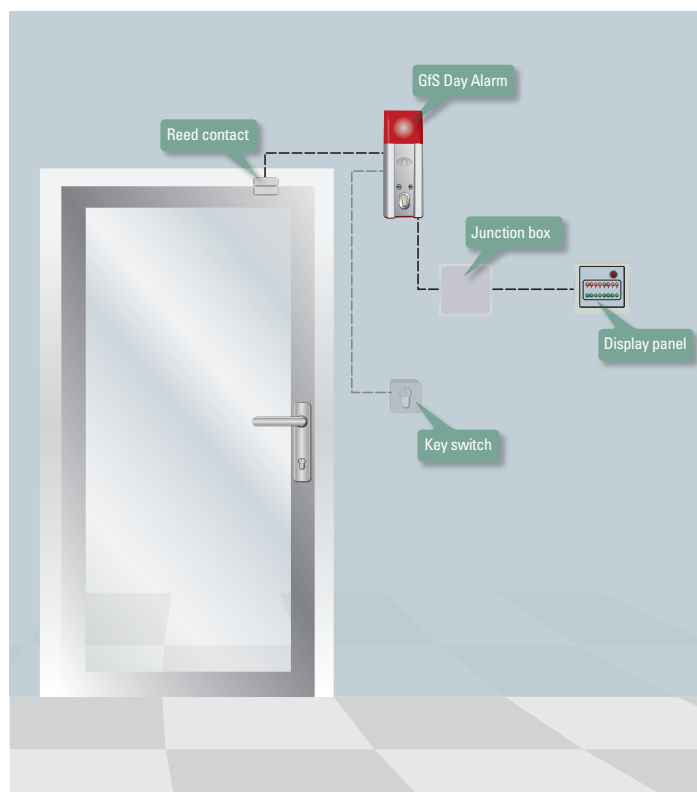
If somebody forgets to close the door after an authorised walk-through, an acoustic intervalic alarm is triggered 15 sec. after the emergency exit door has been opened. The green LED flashes.

As soon as the door is closed, the red LED illuminates again, the interval tone expires and the device is activated again.

By using the key switch, it is possible to deactivate the GfS Day Alarm for a long period.

The actual status of the GfS Day Alarm is indicated by a green and red LED. The battery-operated GfS Day Alarm LC, however, does not integrate a flash light. The GfS Day Alarm LC which integrates battery monitoring just operates in combination with cable reed contacts.

All versions incorporate an automatic alarm switch-off, a floating-contact for alarm transmissions and an interface to connect external access control systems.



## INSTALLATION INSTRUCTIONS

Open GfS Day Alarm unit. Remove red plastic cap and pull out the panel with the LEDs and profile cylinder. Mount the GfS Day Alarm unit with the screws.

The two upper screws have to be screwed in first and the unit be hung in. To secure the unit the two lower screws have to be screwed in. Install the reed contact at the door (installation depends on the version that was ordered).

### Start-up after first installation

Before connecting the power supply please make sure that the door and thus the reed-contact is closed.

### Delivery state

When installed for the first time the GfS Day Alarm is deactivated.

### Battery operated versions

Please insert the battery first.

## FUNCTIONS

### Activation

Insert key and turn clock-wise as far as it will go. The green LED lights up. Now turn the key anticlockwise and remove it. Open the door briefly and close it again. The red LED shines, the unit is armed.

### Unauthorized use

If the door is opened, the reed contact will send a signal which is received by the GfS Day Alarm. The red LED flashes and a visual and an accoustic alarm is triggered. The GfS Day Alarm LC has no flash-light.

### Reset GfS Day Alarm

Insert the key into the integrated cylinder and turn it clockwise as far as it will go. Turn key anticlockwise and remove it. The alarm expires and the LED shines green. Close the door or if it is closed already wait for 15 seconds. The LED shines red and the GfS Day Alarm unit is activated again.

### Authorized passage

Insert the key and turn it to the right.

The green LED lights up. Turn the key to the middle position and remove it. Open the door and walk through. Close the door again. The red LED shines and the GfS Day Alarm is activated again. In case that nobody walks through the door the green LED shines for approx. 15 sec and changes then to red. The GfS Day Alarm is activated again.

The LED of the battery operated versions of the GfS Day Alarm (GfS Art.No. 710.000 and 741.000) expires after 10 sec. and the GfS Day Alarm is activated again.

### The door is open

If the door is not closed properly after authorized use, an accoustic signal is audible after 15 seconds of opening time and the green LED flashes. As soon as the door is closed, the red LED shines, the accoustic alarm stops and the units alarm function is activated.

### Permanent opening

Insert the key and turn clockwise as far as it will go. The green LED is switched on. Leave in this position until the LED switches off. After that turn key anticlock and remove. Now the door can be freely used without triggering the alarm. The green LED flashes, which signals "door permanently open". To switch the alarm on, turn key clockwise as far as it will go. The green LED shines. Now turn key anticlockwise and remove. Close the door or if the door is closed already, wait 15 seconds. Now the LED shines red and the system is armed.

### Start-up after power failure

After the power failure, the GfS Day Alarm unit switches on and an alarm sound is emitted. This is to draw the attention of the provider of the system to the fact that the supervision of the door was interrupted and the door might still be open!

To switch off the alarm, turn key clockwise as far as it will go. The LED is green and the alarm switches off. Now turn key anticlockwise and remove. Open the door once and close it again. The LED switches to red and the unit is armed. If the door was in the "permanently open position" before the power failure, it will remain in this mode.

### 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

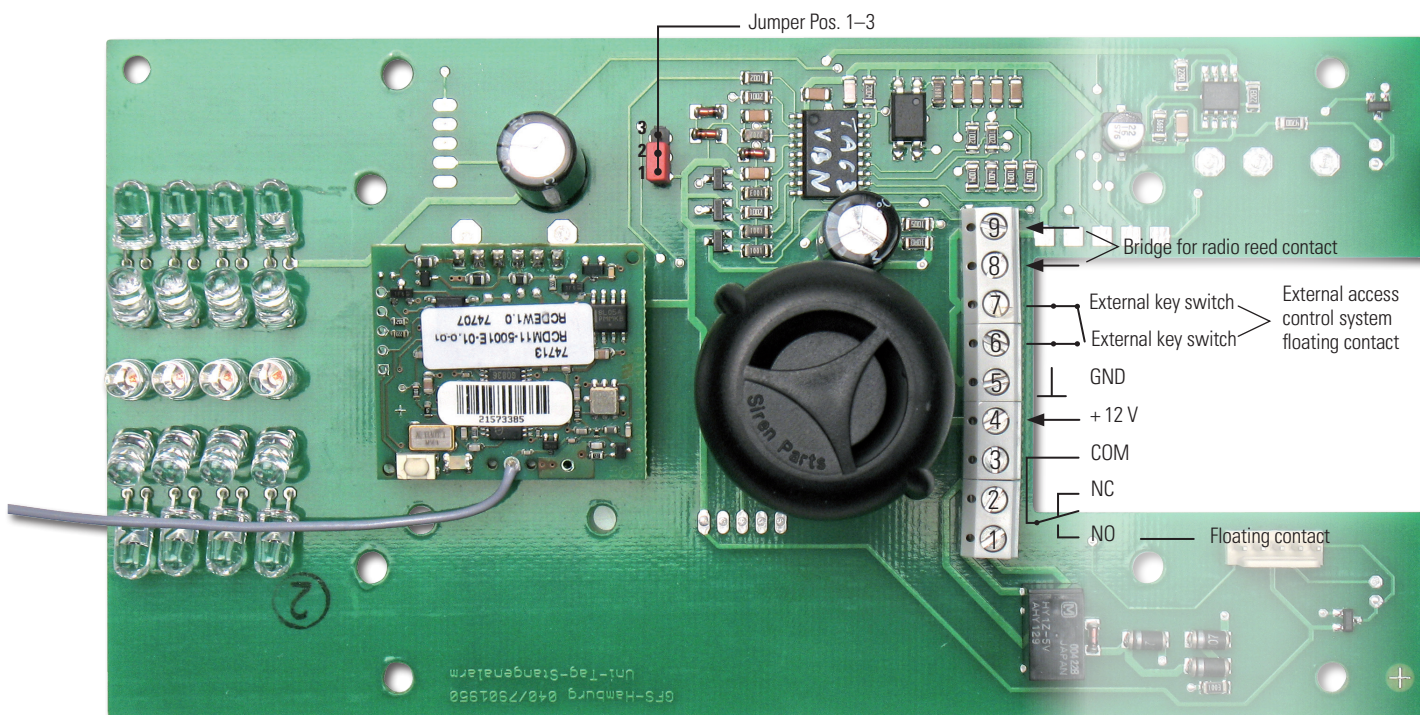
This product complies with the essential requirements of the R&TTE guideline 1999/5/EG. The certificate of conformity you may request from your supplier.

### Service

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



## GfS Day Alarm GfS Art No. 700 000/730 000 with radio reed contact – terminal diagram



## TECHNICAL DATA

Art.-Nr.: 700 000/730 000

- Connection of external alarm devices by floating contact possible
- Resetting only with internal keyswitch
- Permanent opening
- Door-too-long-open-alarm
- External key switch for authorized use only (including protection against tampering)

The relais is permanently pulled (power supply control). When an alarm is triggered, the relais drops out, that means in case of an alarm COM and NC are closed, in all other cases COM and NO are closed.

**Jumper set**

Pos. 1-2: After 3 minutes the sirène is switched-off automatically.  
The flash-light remains active till the GfS Day Alarm is reset.

Pos. 2-3: The siren and falsh light is permanently activated in case of an alarm.

**Power plug GfS Art. No. 700.000 (scope of delivery)**

IN/PRI 230 V ~ 50 Hz 17 W

OUT/SEC 12 V DC 600 mA 7,2 VA

**Intergrated power supply unit for mains supply****730.000 and 740.000 (scope of delivery)**

IN/PRI 230 V ~ 50 Hz 17 W

OUT/SEC 12 V DC 600 mA 7,2 VA

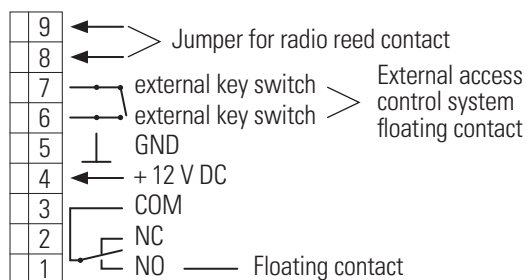
**Radio reed contact 868,3 MHz****Power supply**

Receiver 12 V

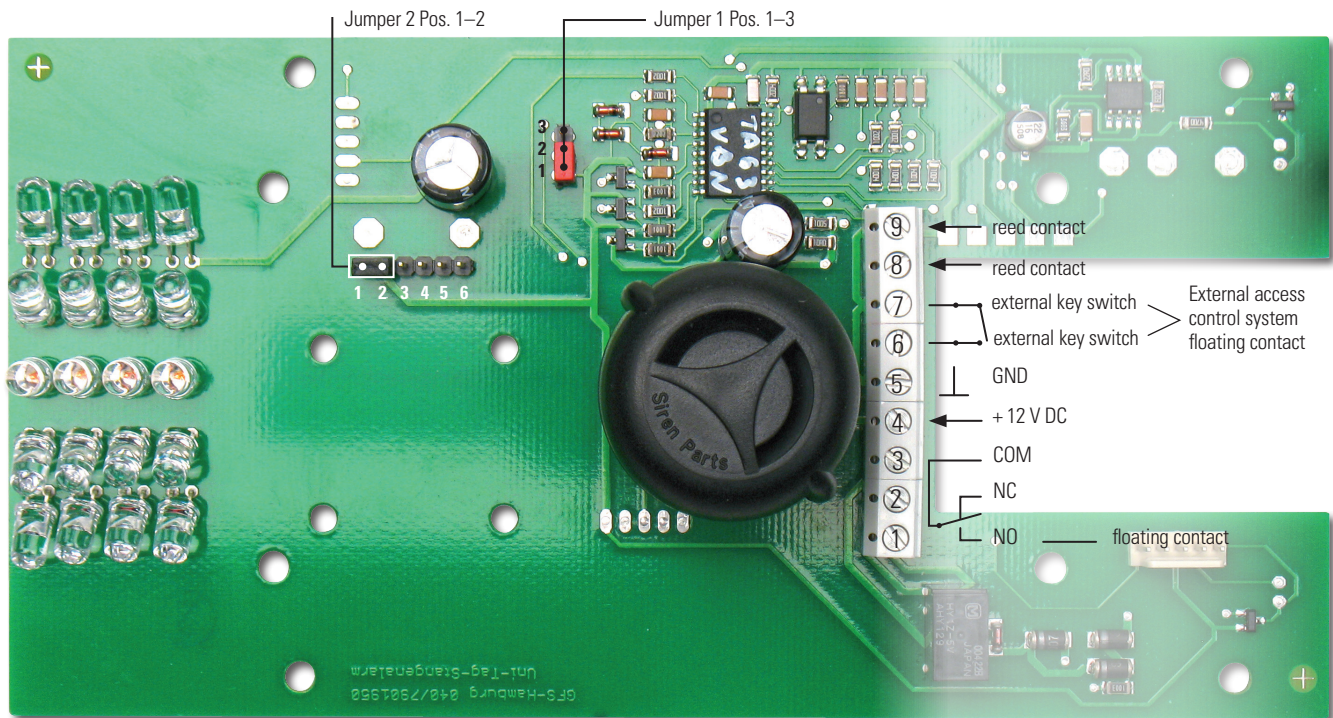
Transmitter (battery integrated into radio reed contact) 3 V CR2032

**Transmission range**

avange in a building approx. 30 m





**GfS Day Alarm GfS Art. No 700 000/730 000 with cable reed contact – terminal diagram****TECHNICAL DATA****Art.-Nr.: 700 000/730 000**

- Connection of external alarm devices by floating contact possible
- Resetting only with internal keyswitch
- Permanent opening
- Door-too-long-open-alarm
- External key switch for authorized use only (including protection against tampering)

The relais is permanently pulled (power supply control). When an alarm is triggered, the relais drops out, that means in case of an alarm COM and NC are closed, in all other cases COM and NO are closed.

**Jumper 1 set**

Pos. 1-2: After 3 minutes the sirène is switched-off automatically.  
The flash-light remains active till the GfS Day Alarm is reset.

Pos. 2-3: The siren and falsh light is permanently activated in case of an alarm.

**Jumper 2**

Pos. 1-2 For cable reed contact

**Power plug GfS Art. No. 700.000 (scope of delivery)**

IN/PRI 230 V ~ 50 Hz 17 W

OUT/SEC 12 V DC 600 mA 7,2 VA

**Intergrated power supply unit for mains supply****730.000 and 740.000 (scope of delivery)**

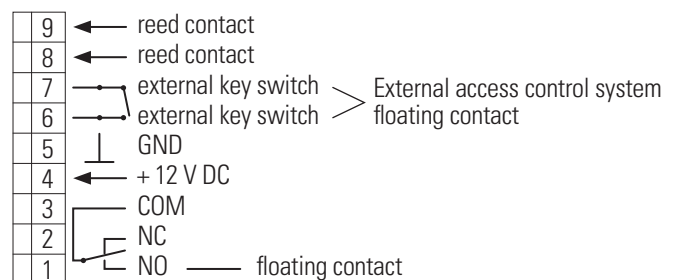
IN/PRI 230 V ~ 50 Hz 17 W

OUT/SEC 12 V DC 600 mA 7,2 VA

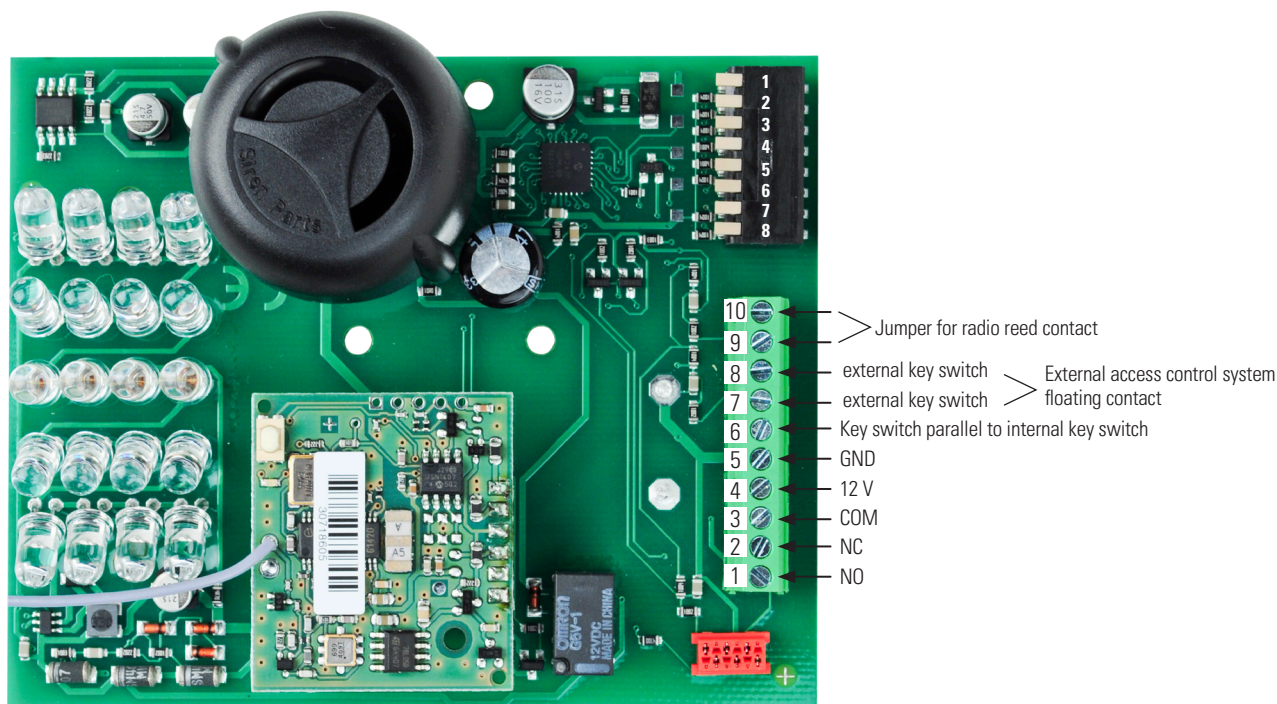
**Cable reed contact**

with 2m cable

**Max. distance between reed contact and magnetic counter part between 5 to max. 10 mm.**

**Radio transmitter might be retrofit**

## GfS Day Alarm INOX GfS Art. No 740 000 with radio reed contact – Terminal diagram



## TECHNICAL DATA

Art.-Nr.: 740 000

**Mains supply**

Door alarm secured, reed contact is closed.

Receiver is closed.

In case that cable reed contacts are connected (also in case of battery operation) jumper 1 must be set on position 1+2

Red LED shines

Relais is pulled (COM and NO connected)

**Authorized use**

Turn key in internal key switch or use the external key switch (clamp 6) briefly (< 5 sec.)

Green LED shines permanently.

The alarm remains deactivated till the door is closed again. The LED shines red again.

If the door has not been opened for 15 sec the alarm is automatically activated again. The LED shines red. If the door has not been closed after 15 sec. a door-too-long-open-alarm is triggered.

**Door-too-long-open-alarm**

Relais switches off (COM and NC connected)

Green LED flashes slowly (every 1,5 sec). Buzzer gives alarm every 3 sec. for about 200ms (short beep).

When the door is closed again, the GfS Alarm is activated again. The LED shines red again. The hold-open time might be extended by turning again clockwise to max. end stop.

**Alarm**

The reed contact has been opened while the GfS Day Alarm is armed.

Buzzer resounds (DIP 4 is OFF)

Flash light is activated

Red LED flashes quickly (0,3 sec. on/0,3 sec. off)

Relay switches off (COM and NC are connected)

Buzzer expires after 3 min. while DIP 5 is ON. Otherwise the buzzer resounds permanently.

To quit: Only by operating the key switch (internal or external). Not possible with external opening contact.

**Permanent opening**

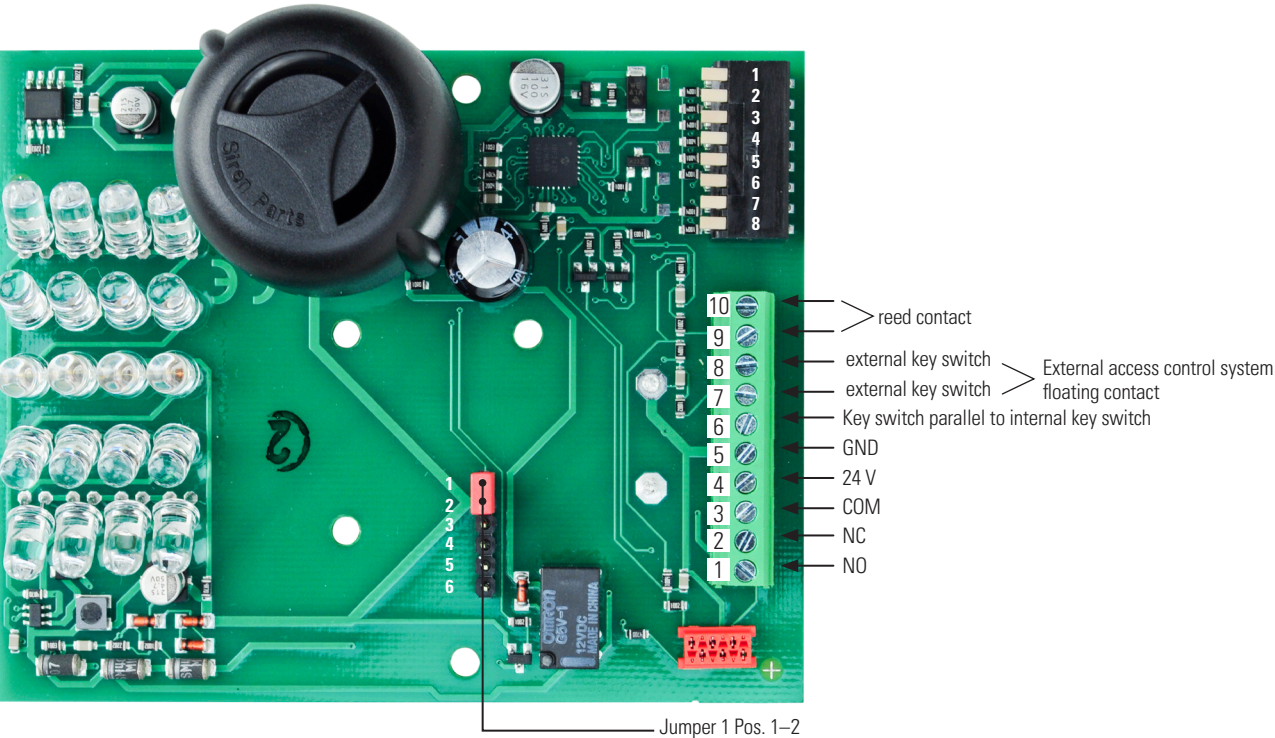
Insert the key and turn clockwise as far as it will go. The green LED is switched on. Leave in this position until the LED switches off (about 5 sec.). After that turn key anticlockwise and remove. Now the door can be freely used without triggering the alarm. The green LED flashes, which signals that the GfS Day Alarm is permanently deactivated. To activate the GfS Day Alarm again, briefly turn key clockwise as far as it will go. The green LED shines. Now turn key anticlockwise and remove it. Close the door or if the door is closed already, wait 15 seconds. Now the LED shines red and the system is armed again.

**External switch**

In case that the GfS Day Alarm receives a permanent external release signal, the GfS Alarm is activated again after 20 sec. There is no permanent external release feature available.



GfS Day Alarm INOX GfS Art. No 740 000 with cable reed contact – Terminal diagram



TECHNICAL DATA

Art.-Nr.: 740 000

Clamp	Functions
1–3	Floating relay, 30 V/0,5 A max
4	8 – 12 V/DC (max 13 V)
5	GND
6 + 7	Parallel to internal key switch To be connected with GND
7 + 8	External key switch
9 + 10	Reed contact GfS Day Alarm with receiver requires jumper

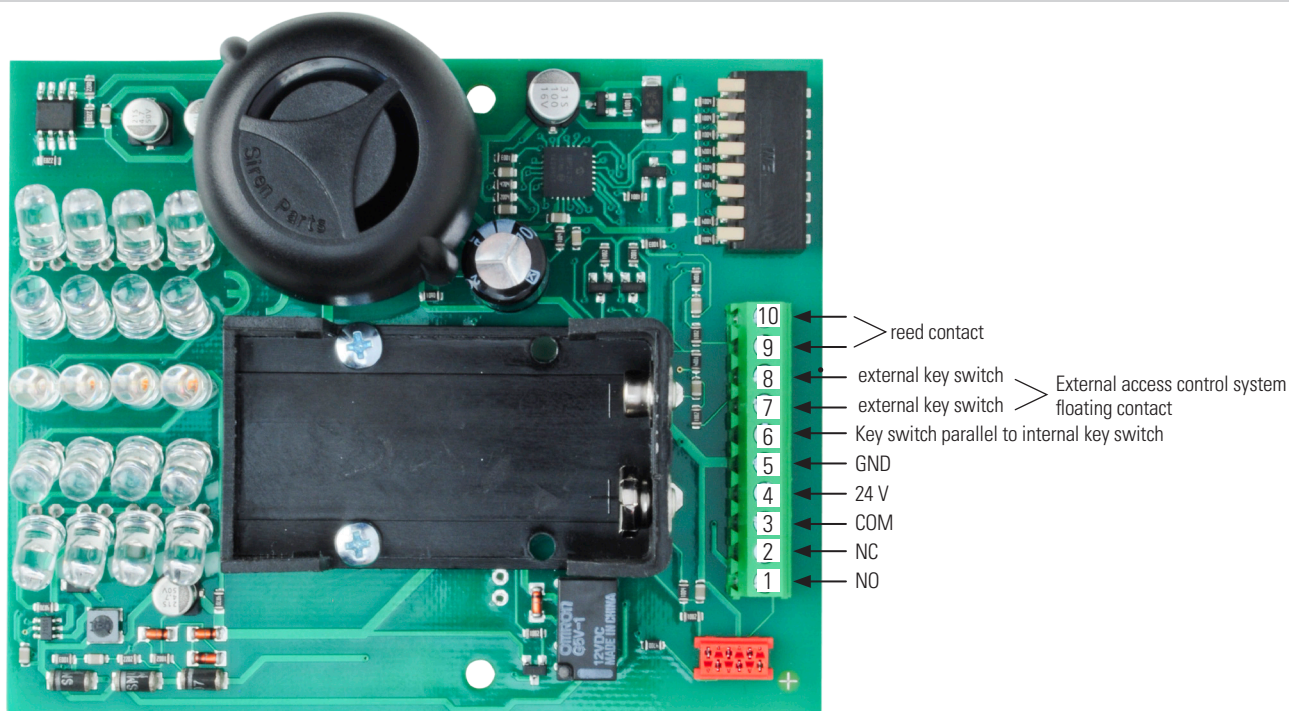
Functions DIP switch

Standard hold open time 15 sec. (DIP 1-3 OFF)

- DIP 1 ON Hold open time + 5 sec.
- DIP 2 ON Hold open time + 10 sec.
- DIP 3 ON Hold open time + 20 sec.
- Like this hold open times may be realized in 5 sec. steps from 15 to 50 sec.
- DIP 4 ON Silent Alarm
- DIP 5 ON Automatic alarm switch-off after 3 min.
- DIP 6-8 Reserve



## GfS Day Alarm INOX GfS Art. No 741 000 with cable reed contact – battery operated



## TECHNICAL DATA

Art.-Nr.: 741 000

**Battery operation**

Basic functions of the GfS Day Alarm with battery operation are similar to those of mains operation.

**Differences**

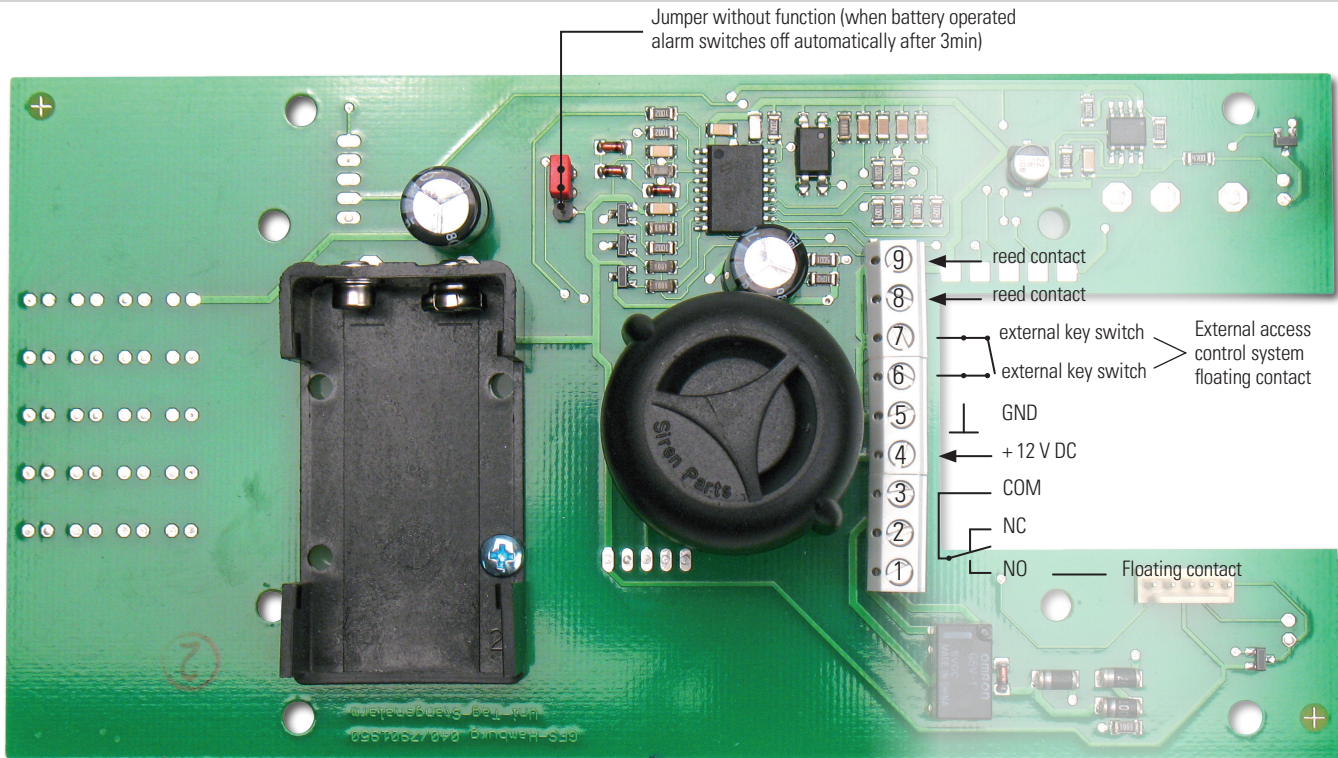
Relay operates in the opposite way (it is permanently deactivated, in case of an alarm it will be activated). While the GfS Day Alarm is activated the red LED is switched on for approx. 15 sec. Then the LED expires and the GfS Day Alarm operates in a stand by mode (while waiting for external signals). During the permanent opening mode the green LED flashes every 60 sec.

**Batterie Control**

only active when battery operated. Voltage is being measured after the red LED is switched-off and then every 12 hours. The green LED is triggered briefly (100ms) in order to put some load on the battery. In case that the battery supply is less than 7,5V the buzzer sounds briefly. Now the measurement takes place every 60 sec. and triggers a brief alarm.

**Operation in parallel**

With mains supply it is also possible to use a battery in parallel (only without integrated receiver). In case of power failure the GfS Day Alarm starts to be battery operated after 15 sec. When the power failure is over the GfS DayAlarm operates automatically again with mains supply.

**GfS Day Alarm GfS Art. No 710 000 with cable reed contact – battery operated****TECHNICAL DATA****Art.-Nr.: 710 000****GfS Day Alarm LC**

- Connection of external devices with floating contact possible
- Confirmation only via internal key switch
- Permanent open function (1x flashing green LED then off)
- Door-too-long-open function
- External key switch: only for authorised walk-through protected against tampering
- Battery operation – while battery operated the relay is not pulled permanently. In the event of an alarm, it opens, i.e. in the event of alarm the COM and NO are closed, in the open and/or active mode, COM and NC are closed.
- Battery control
- Alarm switches off after 3 minutes (jumper without function)
- No remote reed contact available

**Cable reed contact**

with 2m cable

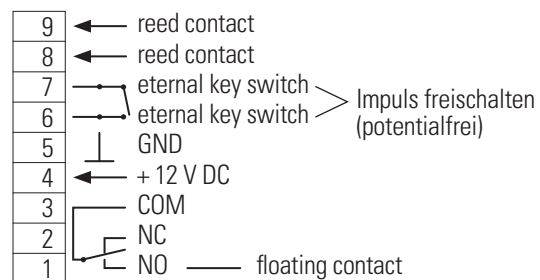
**Max. distance between reed contact and magnetic counter part between 5 to max. 10mm.**

**Power supply**

9 V block battery (in the scope of delivery):

Power consumption in standby: 10–15  $\mu$ A

Current consumption during alarm: 60–80 mA  
or 12V External power supply (optional)





## SETTINGS FOR REMOTE REED CONTACT

### Programming of additional radio reed contacts

Press the program button (Prog) once briefly (1 sec max.).

You will notice a blinking light signal ( $f = 1$  Hz). Handle the transmitters one after the other that shall work with the receiver.

A well received "address" will be confirmed by a long light signal (approx. 4 sec). Each receiver can program a maximum of 32 transmitters.

You end the programming by pushing the program button 3 short times in sequence (max. 1 sec each time). The light signal turns off and the receiver is operational. The programming is retained after a long power failure.

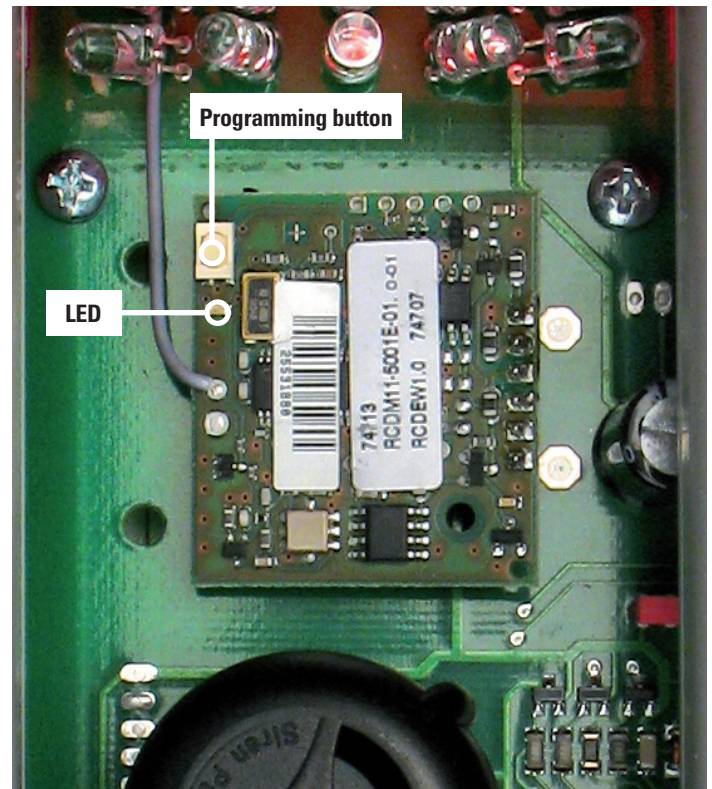
### Deleting of selected transmitters

It is possible to delete selected transmitters without having to reset the receiver totally. Push the program button for a minimum of 3 seconds. The light signal blinks. Operate the transmitter that shall be deleted. This is confirmed by a long light signal. Push the program button once shortly. Reset is completed.

### Reset

While resetting all programmed transmitters are deleted and the receiver can be programmed with 32 new transmitters. For a reset push the program button for a long time (minimum of 3 sec). The light signal blinks. Now press the program button once more (minimum of 3 sec).

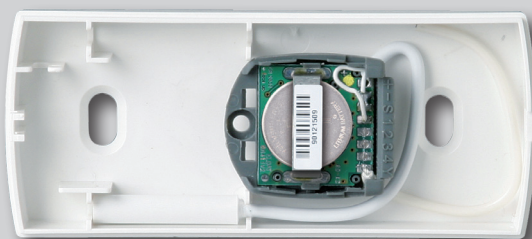
The memory is erased. This is confirmed by a long light signal. Push the program button once briefly. The reset is finished.



## PLACE BATTERY IN REMOTEREED CONTACT



1. Open the device: Press the small tab on the side and draw-off the cover towards the top.



2. Insert the included battery CR 2032 (3 V lithium) inside the battery clip.



max 10 mm

3. Mount the counterpart with the raw magnet parallel to the reed contact. **The distance should not be more than 10 mm!**



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

Version

☐ GfS Day Alarm with external power supply (GfS Art.-No. 700 000)

☐ GfS Day Alarm INOX with integrated power supply (GfS Art.-No. 740 100)

☐ GfS Day Alarm battery operated (GfS Art.-No. 710 000)

☐ GfS Day Alarm INOX battery operated (GfS - Art.-No. 741 000)

☐ GfS Day Alarm with integrated power supply (GfS Art.-No. 730 000)

Others

☐ Cable reed contact

☐ Remote reed contact

The installer has informed the operator of the following:

- ☐ Functionality and use
- ☐ Resetting the alarm
- ☐ Battery change (optional)
- ☐ Special functions
- ☐ The option of transmitting the alarm
- ☐ Hand out operating manual to the operator

City, date

Signature

Company

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

## Version

☐ GfS Day Alarm with external power supply (GfS Art.-No. 700 000)☐ GfS Day Alarm INOX with integrated power supply  
(GfS Art.-No. 740 100)☐ GfS Day Alarm battery operated (GfS Art.-No. 710 000)☐ GfS Day Alarm INOX battery operated (GfS - Art.-No. 741 000)☐ GfS Day Alarm with integrated power supply (GfS Art.-No. 730 000)

Others

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☐ Cable reed contact☐ Remote reed contact☐ The installation has been done properly☐ The function of the GfS Day Alarm have been checked, the GfS Day Alarm operates correctly☐ Peculiarities of the building site☐ All GfS Day Alarms are accessible☐ **The GfS Day Alarm has been tested and approved**

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City, date

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Signature

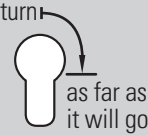

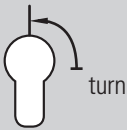

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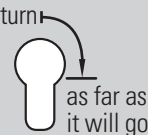

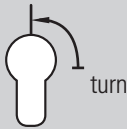

Company

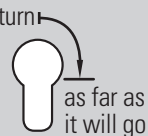


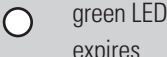

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## OPERATION

Reset of alarm		
Description	Key	LED
Insert the key and <b>turn clockwise as far as it will go.</b>  Green LED shines		
Then turn back the key <b>into the middle position and remove it.</b>		
<b>Close the door or – in case that the door is already closed – wait for approx. 15 sec.</b> The LED shines red, the GfS Day Alarm is activated.		






Authorized use		
Description	Key	LED
Insert key and <b>turn to the right as far as it will go.</b>  The green LED shines.		
Then turn back <b>the key into the middle position and remove it.</b>		
<b>Open the door and walk through.</b> Close the door, the red LED shines and the GfS Day Alarm is activated again.		

Permanent deactivation		
Description	Key	LED
Insert key and <b>turn to the right as far as it will go.</b> The green LED shines.		
<b>Stay in this position, till the LED expires.</b>		
Now the door can be used without triggering an alarm. <b>The green LED blinks,</b> the GfS Day Alarm is permanently deactivated.		






Reset permanent deactivation		
Description	Key	LED
Insert key and <b>turn to the right as far as it will go.</b> The green LED shines.		

## PROGRAMMING







### Programming additional remote reed contacts

Description	Programming button	LED
Press programming button briefly once (max. 1 sec.). A light signal is emitted (f=1 Hz).	 1x press (max. 1 sec.)	 flashes
<b>Operate the reed-contacts one after another which are supposed to work together with the GfS Day Alarm.</b> A well received signal is confirmed by a light signal which is emitted for about 4 sec. Up to 32 senders might be taught-in.		 shines for approx. 4 sec.
<b>Finish programming</b> Press the programming button 3x briefly each time for max. 1 sec. The light signal expires and the receiver is in operation.	 3x press (each time max. 1 sec.)	 expires

### Deleting single senders

Description	Programming button	LED
Press programming button for <b>at least 3 sec.</b>	 press for at least 3 sec.	 flashes quickly
<b>Operate the radio reed contact which is supposed to be deleted.</b> LED shines for a long period of time		 shines for a long period of time
Press briefly just once on the programming button and finish the delete process.	 1x press max. 1 sec.	 expires

### Reset (delete all taught in senders)

Description	Programming button	LED
Press programming button for <b>at least 3 sec.</b>	 press for at least 3 sec.	 flashes quickly
Press programming button for <b>at least 3 sec.</b>	 press for at least 3 sec.	 shines for a long period of time
<b>Press briefly just once</b> the programming button in order to finish the reset process.	 1x press max. 1 sec.	 expires



**GfS – Gesellschaft für Sicherheitstechnik mbH**

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