



GIRA

General safety instructions

This product contains button cells. Swallowing button cells may cause severe internal burns within two hours. This can be fatal. Do not swallow batteries. Risk of burns from hazardous materials. Immediately seek medical attention if batteries have been swallowed or inserted into any part of the body. Keep new and used batteries away from children. Danger of acid burns from bursting or leaking batteries. These instructions are part of the product and must remain with the end customer.

Observe the commissioning order

Commissioning order for the security system Alarm Connect:

1. Mount the alarm control unit and put it into commission (battery and 230 V connection).
2. Configure the project in the GPA and transfer it to the alarm control unit memory.
3. Install all other devices, put into commission (insert batteries, etc.) and check the wireless connection to the alarm control unit.
4. After successful verification, set the alarm control unit to operation mode.

Failure to observe the commissioning sequence will render commissioning of the safety system unsuccessful.

Product features

The wireless magnetic contact is used to monitor windows and doors wirelessly. When a door or a window is opened, the wireless magnetic contact sends a signal to the alarm control unit Connect.

Product properties

- Monitors the opening of doors or windows using integrated reed contacts.
- Integrated tamper contact.
- For indoor use only.
- For VdS-compliant installation, a wired reed contact must be connected.

Sticker with Hardware ID

The device comes with two stickers with the Hardware ID. You can use one of the two stickers for your site map and simply scan the Hardware ID with an appropriate scanner during configuration in GPA.

Included in delivery

- 1 x wireless magnetic contact incl. batteries
- 1 x magnet
- 1 x mounting hardware
- 1 x resistor (200 kΩ) and shrinkable tubing
- 1 x operating instructions
- 2 x stickers with Hardware ID

Ensure the package contents are complete and undamaged. Please see "Warranty" in case of any defects.

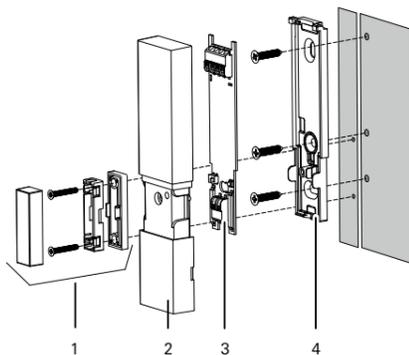
Required accessories

- Alarm control unit Connect (item no. 5201 00)
- Wireless operation unit (item no. 5212 16)

Accessories

- External reed contact/VdS (item no. 5434 16)
- Reed contact wire (item no. 5235 16)

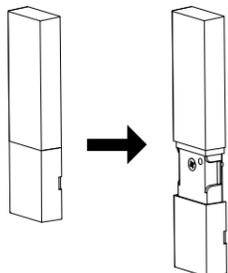
Device description



- 1 Magnet (top and bottom section of device housing, magnet, compensation element)
- 2 Upper housing section incl. sliding lid
- 3 Circuit board
- 4 Lower housing section

Sliding lid

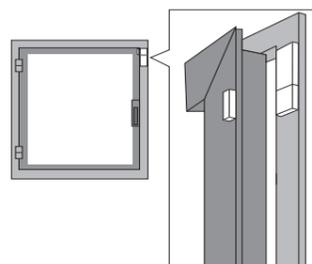
The sliding lid hides the fastening screw of the upper housing section. Only when the sliding lid is pushed down is the mounting screw accessible. When pushing the sliding lid down, no tampering alarm is triggered.



Selecting the installation site

Installation on windows and doors

The following always applies: Always mount the magnet to the moving part (door or window) and the wireless magnetic contact to the non-moving part (frame or jamb).



Mounting for plastic windows

Do not screw mounting screws into the metal core of the window. This may critically disturb the function of the wireless magnetic contact (negative impact on magnetic field). Recommendation: Use screws made of non-magnetic material (e.g. V2A).

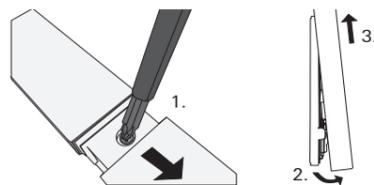
Mounting the wireless magnetic contact

Perform final installation with connection of a wired reed contact (VdS-compliant)

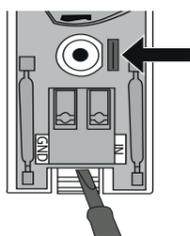
VdS-compliant installation

- Tilted windows are detected as open.
- Do not mount in the reach-through area of the window/door.
- For window installation, only the internal connection terminal should be used.
- Connect **only one** wired reed contact (see "Accessories").

1. Push the sliding lid down and detach the upper housing section from the lower housing section as shown.



2. Carefully detach the circuit board from the lower housing section using the appropriate tools. Ensure that the locking hook (see arrow) is pressed next to the screw hole. Do not remove the protective foil from the batteries!



3. Align the lower housing section, mark the drilling holes, drill and insert wall plugs.

Always screw down the disconnecting surface of the tamper contact

The disconnecting surface of the tamper contact must always be secured with a screw, regardless of the method of attachment used for the wireless magnetic contact.



4. Mount the lower housing section.

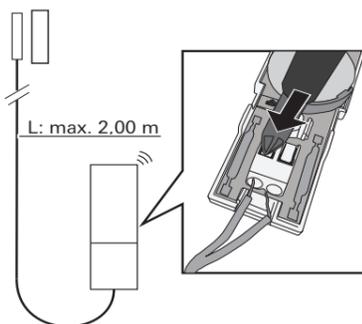


5. Carefully reattach the circuit board to the lower housing section.

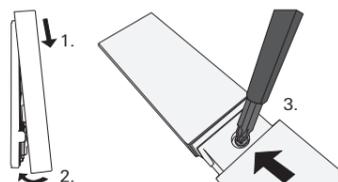
Wired reed contact resistance

Only connect wired reed contacts with a resistance of 200 kΩ (see "Accessories"). When using existing reed contacts on site, the resistance must be confirmed at 200 kΩ. An optional 200 kΩ resistor is included.

6. Using a suitable tool (e.g. a sharp knife), cut out an opening for the cable entry in the sliding lid and the upper part of the housing.
7. Connect the wired magnetic contact to **GND** and **IN** (maximum cable length 2 m). For final installation of the wired magnetic contact, see the corresponding operating instructions.

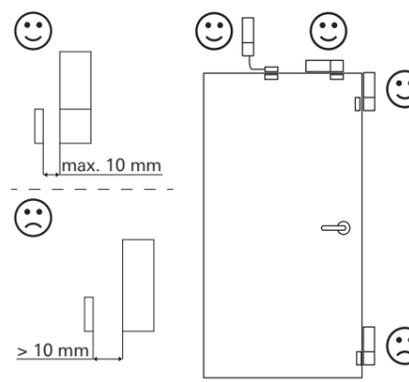


8. Place the upper housing section on the lower section again, screw it into place and close.



Assembly when using the internal reed contact (not VdS compliant).

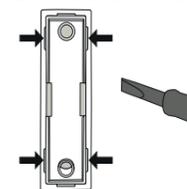
Observe the installation position of the wireless magnetic contact and the magnet



1. Follow steps 1-5 of the VdS-compliant installation instructions. Alternatively, adhesive mounting of the wireless magnetic contact is possible. Some adhesive tape is included with the product for this purpose.
2. Place the upper housing section on the lower section again, screw it into place and close.

Mount the magnet

1. Remove the upper housing section from the lower section.



2. Align the lower housing section, mark the drilling holes, drill and attach the lower housing section. Alternatively, adhesive mounting is possible. Some adhesive tape is included with the product for this purpose. A compensation element for the magnets is also included. This is useful when the height difference between the magnet and the wireless magnetic contact is so much that the magnets are not detected.
3. Remove the protective foil from the magnets and adhere the magnet to the lower housing section.
4. Attach the upper housing section to the lower section.

Commissioning the wireless magnetic contact

Conditions for device commissioning

The project must first be successfully commissioned in GPA (see "Commissioning order").

Gira Project Assistant (GPA)

The security system Alarm Connect is configured via GPA. The following settings are made in GPA for the wireless magnetic contact:

- Enter a device name.
- Assign hardware ID.
- Select triggering contact [internal, external or both].
- Select device is active when [internally armed] or [internally and externally armed] are set.
- Select gateway function.
- Select "door gong" function.
- Put the project into commission.

1. Parameterise the wireless magnetic contact in GPA and put the project into commission
2. Remove the protective foil from the batteries and wait for the initialisation phase. The wireless magnetic contact is automatically detected by the alarm control unit Connect.

Batteries inserted too early

If the units have been activated before start-up, they are in "sleep mode" and can no longer connect to the alarm centre. In this case, the batteries must be removed and reinserted.

Status LED

Behaviour	Meaning
Lights up continuously red	Tamper alarm
Alternates quickly between green and red	Initialisation phase
Blinks red, quickly and for a max. of 10 s	Error initialisation phase
Blinks green, quickly and for a max. of 5 s	Registration phase
Lights up green for approx. 3 s, then turns off	Registration successful
Blinks red in short intervals for a max. of 10 s	Registration error
Blinks green, quickly every 2 s and in cases of a status change, 1x quick red flash	Test run

Stand-by mode

After commissioning of the device, communication must take place between the device and the alarm control unit Connect within 7 min. After 7 min, the device automatically switches to stand-by mode. If the device does not receive a signal from the alarm control unit Connect within the 7 min period, the stand-by mode can not be ended automatically. The device must then be reactivated (remove and replace the battery) so that communication can be established with the alarm control unit Connect. Always observe the commissioning order.

Check the signal quality of the wireless connection



Check the wireless connection to the alarm control unit

Check the signal quality of the wireless connection between the alarm control unit Connect and the device.

1. Activate the test mode in the GPA under [security system] -> [Diagnosis and test].
2. Trigger the wireless magnetic contact (e.g. open a window).
3. Check the signal quality.
Bad signal quality: Insert a wireless repeater and check the signal quality again.
Good signal quality: End test mode.

Replacing the battery



WARNING

Explosion hazard in case of improper handling of batteries.

Do not throw batteries into the fire, and do not recharge batteries, as this may result in a risk of explosion.



WARNING

Danger of acid burns from bursting or leaking batteries.

Always change an empty battery for a new one of the same type.



Replacing the battery

Replace the battery as soon as the "low battery" display appears in the Display of the wireless operating unit.

1. Push down the sliding lid.
2. Loosen the mounting screw and remove the upper housing section from the lower housing section. The tamper alarm is triggered.
3. Remove the batteries and replace the battery with a new battery of the same type (see technical data). **Observe polarity!**
4. Place the upper housing section on the lower section again, screw it into place and close the sliding lid.
5. Acknowledge the tamper alarm on the wireless operating unit.



Remove empty batteries immediately and dispose of them in an environmentally-friendly way. Do not dispose of batteries with household waste. Local authorities provide information about environmentally-sound disposal. The end consumer is legally required to return used batteries in accordance with legislative requirements.

Technical data

Power supply:	Type C: Internal batteries
Battery	
Type:	lithium, CR 2032
Capacity:	210 mAh
Voltage:	DC 3 V
Quantity:	2
Battery life:	approx. 3 years
Wireless	
Frequency band:	868.0 - 868.6 MHz 868.7 - 867.2 MHz
Transmission capacity:	max. 10 mW
Range:	100 m (free field)
Device – general	
Connections:	1 x external reed contact terminal (resistance: 200 kΩ)
Optical display:	Status LED (red/green)
Ambient temperature:	-10°C to +55°C
Storage temperature:	35 °C to +70 °C
Humidity:	93 %
Environmental class:	II
Compliant with:	EN 50131 Level 2 EN 62368-1 EN 301489-1 EN 301489-3 EN 61000-6-3 EN 50130-4 EN 300220-1 EN 300220-2 EN 50130-5 EN 50131-1 EN 50131-2-6 EN 50131-6 EN 50131-5-3
Certification body:	Telefication B.V.
Dimensions (H x W x D):	100 x 30 x 15 mm

Conformity

Gira Giersiepen GmbH & Co. KG hereby declares that the wireless system type item no. 5241 16 conforms to Directive 2014/53/EU. The complete item number can be found on the device. The complete text of the EU Declaration of Conformity can be found either in the download area (gira.de/Konformitaet), or directly via the online catalogue at the product (katalog.gira.de).

Disposal



The Gira wireless magnetic contact is an electric or electronic device in the sense of EU Directive 2012/19/EU.

High-quality materials and components were used in developing and manufacturing the device. These materials and components can be reused and recycled. Please consult the regulations governing the separate collection of electric/electronic waste applicable for your country. These devices may not be disposed of with household waste. The correct disposal of waste can prevent possible negative consequences to the environment and humans.

Warranty

The warranty is provided in accordance with statutory requirements via the retailer. Please submit or send faulty devices postage paid and with an error description to your sales representative (retailer / installation company / electrical contractor). The salesperson will forward the devices to the Gira Service Centre.

Gira

Gira
Giersiepen GmbH & Co KG
Electrical installation systems

P.O. Box 1220
42461 Radevormwald
Phone: +49 2195 602 - 0
Fax: +49 2195 602 - 191
info@gira.de
www.gira.de