### Operating instructions

**Wireless repeater** 5232 16

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### General safety instructions

- **Electrical devices may only be installed and connected by a qualified electrician**.
- **Improper installation may result in serious injury, e.g. from electrical shock or fire**, as well as equipment damage. This product contains a battery.
- **Keep new and used batteries away from children.**

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 repeater is used to amplify wireless signals in the Alarm Connect system.
  - A maximum of one wireless repeater may be installed.

- **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.

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### Device description

- **Wireless operating unit**
- **Required accessories**
  - Alarm control unit Connect (item no. 5201 00)
  - Wireless operating unit (item no. 5212 02)

### Selecting the installation site

- **Installation note**
  - Note the following:
    - Mount horizontally.
    - Leave an area of at least 50 cm between the wireless repeater and ceiling, metal objects and other equipment.
    - A maximum of one wireless repeater may be used in one Alarm Connect security system.
    - The forwarding of signals between the Connect alarm centre and the wireless control unit is not possible.

- **Connection - Mains voltage**
  - Use power lines with a cable cross-section of 1.5 to 2.5 mm². The power line should comply with national electrical requirements.

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### Mounting the wireless repeater

- **VS5-compliant mounting**
  - Only mounting with wall plugs and screws is VS5-compliant.

- **Wall installation**
  - Make sure the wall surface is level. In the case of an uneven wall surface, there is the risk that the lower housing section will move during installation. This means that the upper housing section cannot be placed in properly.
  - **Socket outlet for power supply**
    - Be sure that the wireless repeater is mounted near a socket outlet that is easily accessible. The socket outlet should have its own fuse circuit.
    - 1. Switch off the power supply.
    - 2. Detach the upper housing section from the lower housing section using the unlocking tool using the unlocking tool (included with the alarm control unit Connect).
    - 3. Mark the drilling holes, drill and insert the wall plugs (Fischer dowels UX 9 x 30, included). The disconnecting surface of the tamper contact must be secured with a screw.
    - 4. Mount the wireless repeater.

- **5. Wire the wireless repeater to the mains voltage.**

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### Commissioning the wireless repeater

#### 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 repeater:
  - Enter device name.
  - Assign device ID.
  - Display security area.
  - Put the project into commission.

- 1. Configure the project in the GPA and put it into commission.
- 2. Insert battery (observe polarity!) and wait for initialization phase. The wireless repeater is automatically detected by the wireless alarm control unit Connect.
- 3. Attach the upper housing section to the lower section.
- 4. Switch on power supply.

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### Status LED

- **Behaviour**
  - Lights up red continuously:
    - Alternates quickly between green and red.
    - Blinks green, quickly and for a max. of 10 s.

- **Meaning**
  - Tamper alarm
  - Initialisation

### 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 to reactivate the battery, so that communication can be established with the alarm control unit Connect. Always observe the commissioning order.

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### Replacing the battery

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

1. Detach the upper housing section from the lower housing section using the unlocking tool using the unlocking tool (included with the alarm control unit Connect). The tamper alarm is triggered.
2. Open the battery compartment and replace the battery with a new battery of the same type (Observe polarity!).
3. Close the battery compartment and change the upper housing section on the lower section again.
4. Acknowledge the tamper alarm on the wireless operating unit.

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### Technical data

- **Power supply**
  - External: Type A: AC 230 V, 50/60 Hz
  - Internal (additional): Type B: Internal backup battery

- **Back-up battery**
  - Type: CR 123A
  - Capacity: 1.4 A
  - Voltage: 3 V
  - Quantity: 1
  - **Battery life**
    - With battery operation: approx. 1 day
    - With 12 V supply: approx. 5 years

- **Wireless**
  - Frequency band: 868.0 - 868.6 MHz
  - Range: 100 m (free field)
  - **Device – general**
    - **Optical display:** Status LED (red/ green)
    - Ambient temperature: -10°C to +55°C
    - **Storage temperature:** -35°C to +70°C
  - **Humidity:** 93 %
  - **Protection class:** II
  - **Environmental class:** Compliant with: EN 50131 Level 2
  - **Certification body:** EN 62368-1
  - **Dimensions:** 55 x 126 x 13 mm
  - **Conformity**
    - Gira Giersiepen GmbH & Co. KG hereby declares that the wireless system type item no. 5232 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/ Konformität), or directly via the online catalogue at the product (katalog.gira.de).
Disposal

The Gira wireless repeater 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

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