



Radio glass-breaking detector

3442

Description

This sensor protects doors and windows and generates an alarm signal in case of unwanted opening. The device consists of two elements:

- a magnet, to be installed on the window /door, with corresponding bracket/spacer;
- a battery powered radio transmitter with NC contact to be installed on the window/door frame.

The alarm is generated when, by opening the door or the window, the magnet is moved away from the corresponding radio transmitter. Up to 3 NC additional contacts can be connected to the device, protecting 3 more units (doors/windows).

Technical data

- Power supply: 3.6 V lithium battery - type 1/2 AA
- Operating temperature: +5 – +40°C (indoor use)
- Minimum battery duration: 3 years
- Radio frequency: 868.35 MHz
- Range: 100 metres free field
(metal, concrete walls and metal plates reduce coverage)
- Modulation: FSK

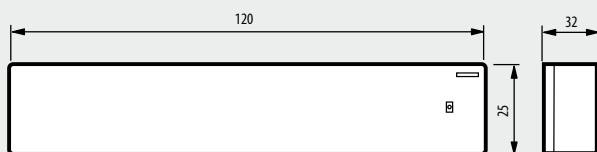
CONFORMITY DECLARATION

Item 3442 meets the essential requirements of directive 1999/5/CE, as it complies with the following standards:

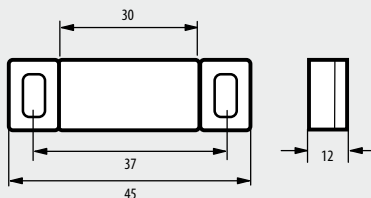
ETSI EN300 220-3 ETSI EN301 489-3 EN60950 EN50090-2-2 EN50090-2-3

Year of approval of the CE mark in accordance with the above directive: 2007

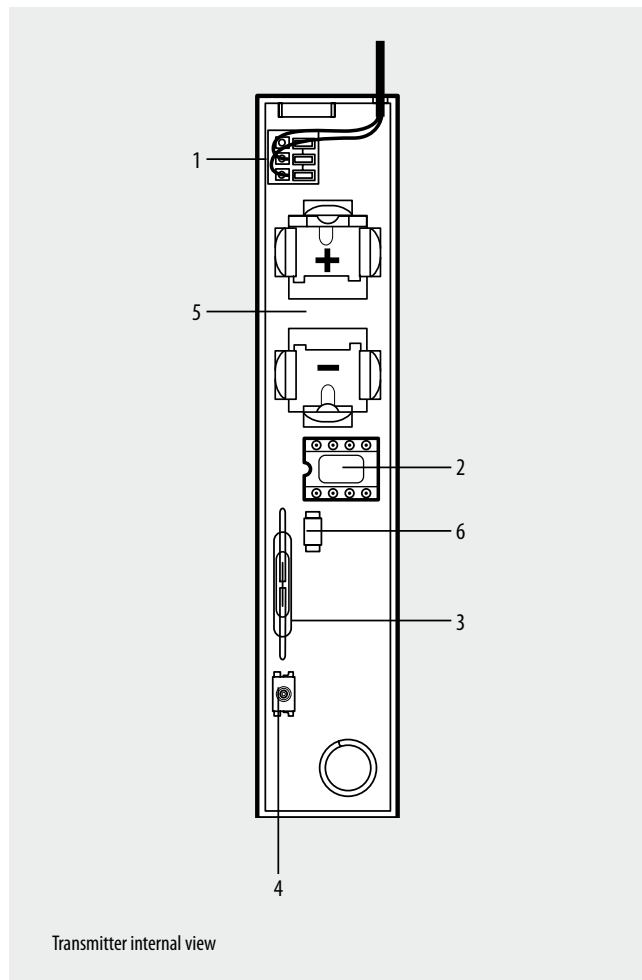
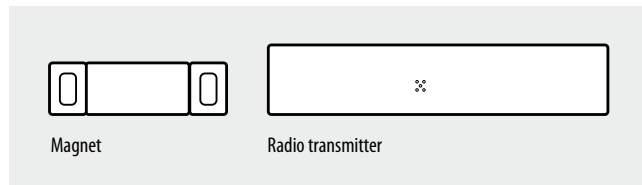
Dimensional data



Radio transmitter



Magnet



Transmitter internal view

Legend

- 1 - Additional contact line clamp;
- 2 - Configurator socket;
- 3 - Magnetic contact;
- 4 - Tamper/learning;
- 5 - Battery housing;
- 6 - LED: two red flashes signal an alarm; only one flash indicates that the battery is exhausted.

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Configuration

The device requires allocation of the zone it belongs to, the progressive number of the sensors within the same zone, and the setting of the detection mode, as well as the possible allocation of an auxiliary prealarm channel.

WARNING: the configuration operations must be performed with the battery disconnected.

Z

This configurator assigns the number of the appropriate zone to the detector. Configurator 1 assigns zone 1 to the detector, configurator 2 assigns zone 2 and so on to a maximum of 8 zones.

N

This configurator assigns the progressive number of the detector inside the appropriate zone. Configurator 1 identifies the first detector, configurator 2 identifies the second and so on to a maximum of 9 sensors (IR detectors and contact interface) for each of the 8 zones.

MOD

The configurator connected to this socket specify the detection mode associated to the NC contact supplied and any other, max. 3, NC contacts connected to the internal clamp.

| Configurator | Operating mode |
|--------------|--|
| 0 | Not delayed |
| 2 | Delayed ⁽¹⁾ |
| 9 | The device sends an auxiliary type alarm through the specified channel in the AUX position only when the system is armed. |
| AUX | Prealarm function. With the system armed or disarmed, the device sends an auxiliary type alarm through the specified channel in the AUX position. If the zone it belongs to is divided, the auxiliary command is disabled. |

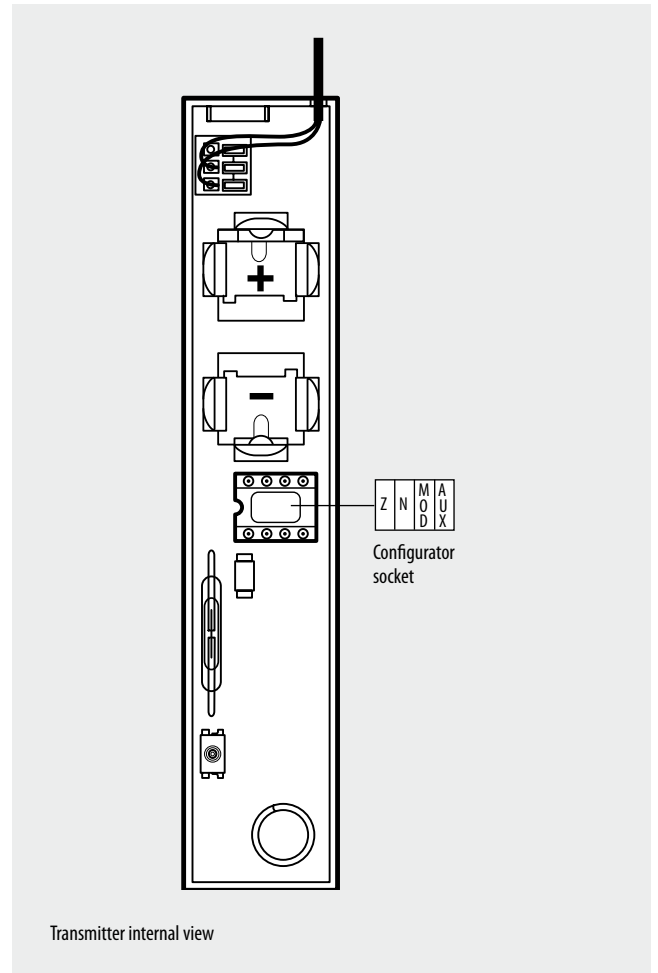
NOTE⁽¹⁾: function available only with central units item 3485/B, item 3486 and HC/HD/HS/L/N/NT4601.

AUX

The configurator in the AUX socket activates the auxiliary function of the corresponding auxiliary channel. It therefore enables controlling auxiliary actuator devices, provided that they have been configured using the same auxiliary channel.

Note: to complete the activations using the relay actuator type HD/HC/ HS/L/N/NT4614 and AM5794 see the appropriate technical sheet.

NOTE: When the system is armed, the detector generates a normal burglary alarm.



Transmitter internal view

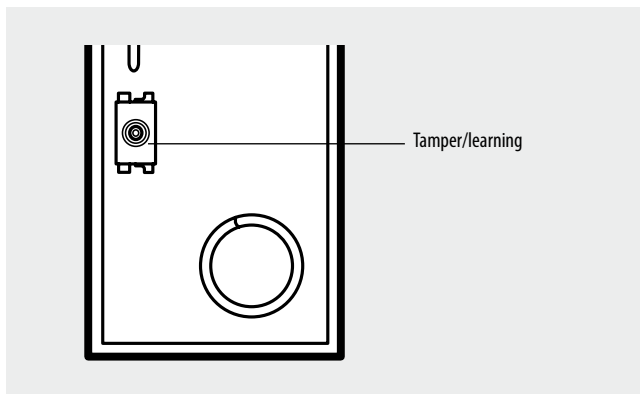
Configuration

Pairing magnetic contacts

1. Switch the system to "maintenance" mode.
2. Press the programming pushbutton of the radio receiver for five seconds, until the red LED comes on.
3. Press the tamper contact twice.
4. If the pairing of the device has been performed correctly, the red LED of the receiver will go off. If this does not happen, repeat the procedure from step 3. If the LED flashes, it means that the device memory is full.
5. To pair other devices, repeat from step 2.
6. Close the sensors to deactivate the tamper.
7. Perform self learning of the system from the central unit.
8. Exit "maintenance" mode.

Cancelling magnetic contacts

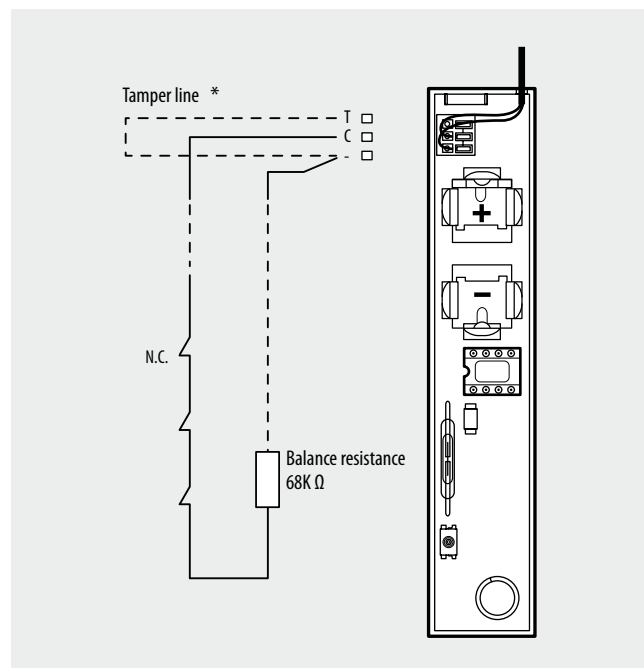
1. Switch the system to maintenance mode.
2. Remove the power supply from the radio receiver.
3. Press and hold the programming pushbutton while reconnecting the power supply to the radio receiver.
4. After 5 seconds the LED flashes orange. If the pushbutton is released at this time, only the remote controls are cancelled.
After 10 seconds the LED starts flashing quickly. If the pushbutton is released now, only the sensors are cancelled.
5. After releasing the pushbutton, the LED becomes fixed orange. When the LED goes off, cancellation has been completed.
6. Perform self-learning of the system from the central unit and exit "maintenance" mode.



Wiring diagram

In addition to the standard NC magnetic contact, the sensor can also control the opening of other optional NC contacts (max. of 3) connected to an appropriate clamp of the transmitting unit, as shown in the following diagram.

WARNING: For correct operation of the device the corresponding magnetic contact, or any additional magnetic contacts, must be activated within 12 hours from the moment the device starts operation.



Note (*): short circuit contacts – and T if no tamper line is installed

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