

## Perimetral active sensor, multifunctioning, via radio Bidirectional FM 868

Magnetic contact for openings, seismic for detection of broken windows or for antirip.

Available in white and mahogany

### CHARACTERISTICS

- ✓ Magnetic sensor with Hall effect
- ✓ Seismic detector
- ✓ Anti-rip circuit
- ✓ Roller pulse-counter input
- ✓ Antitampering circuit
- ✓ You can position the magnets on both sides
- ✓ Alarms displaying
- ✓ Power supply: 3,6v- 1,2 Ah lithium battery 1/2AA ER14250
- ✓ 3 years of autonomy (at standard use).
- ✓ Radio Freq. 868MHz-FM.
- ✓ NC auxiliary input



### DIP 2 in Pos ON Activated seismic alarm

The sensor is able to identify strong vibrations hitting the surface you need to protect. Useful for windows, fixtures and grates protection.

### 2. BATTERY POSITIONING

Secure the battery in its housing.

### 3. SENSOR ASSOCIATION

This can take place in the system, generating a Tamper alarm (releasing the Tamper button) or inserting the battery in the acquisition phase.

### 4. RADIO COVERAGE TEST

When the battery is disconnected, push the Tamper and insert the battery. When the GREEN LED will blink release the Tamper. If the GREEN LED blinks, it reports a good radio signal, when the RED and GREEN LEDs blink, it means you have a radio signal that is not adequate. In case of no blinking, you have no signal. To end the test, push the Tamper or wait for 4 minutes.

### 5. INITIALIZATION

Once the sensor is linked and the radio coverage is verified, start the initialization. Remove the battery and set up the operative mode, close the eventual door with the magnet and insert the battery. The sensor will start an autonomous acquisition for 2 minutes. The LEDs will blink alternately. If there is a magnet, the blinking will increase after 20 secs. **Do not change the operative conditions**, (the door must be closed and the sensor mustn't be subjected to vibrations. Wait until the GREEN and RED LEDs will switch on, then push the Tamper and wait for the switching off of the LEDs. This will assure the exit from the acquisition mode.

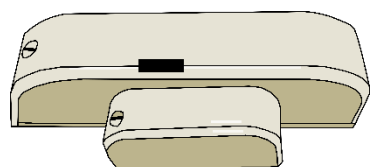
**N.B. Everytime, with opened Tamper, the sensor will be powered up, the sensor enters a magnet acquisition mode.**

## 1 Installation guide

**! WARNING: Before every trial, connect the sensor to the receiver**

The sensor can be installed on window frames as a magnetic or seismic contact, and on windows as a seismic as an alarm for broken windows. Remove the circuit and secure the bottom with screws or glue.

### 1.1 Magnetic contact installation

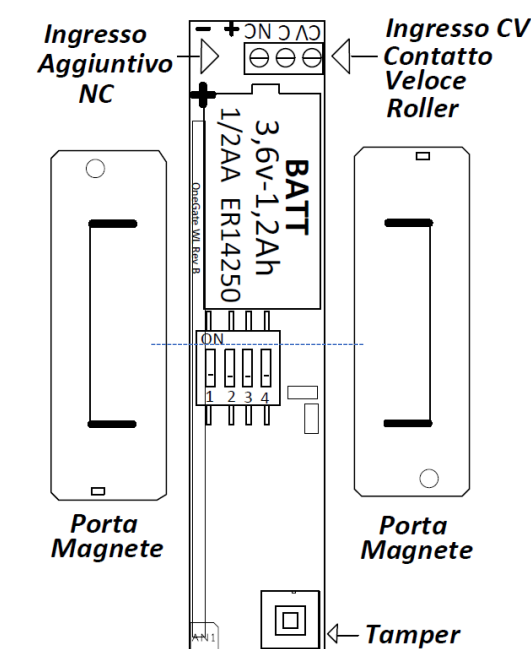
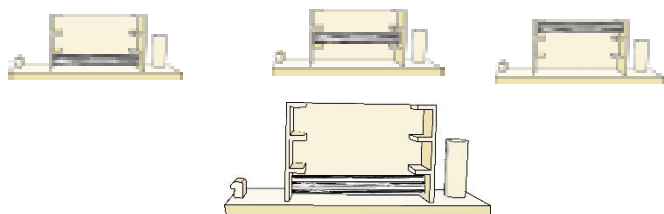


If the magnetic contact isn't requested, skip this paragraph. Position the magnet on the right and/or on the left, like shown in the picture, on the door you

want to check on.

Align the magnet positioning at a maximum distance of 1 cm.

To balance the eventual difference between the sensor and the magnet, open the magnet-holder and position the magnet in one of the three positions shown.



The sensor is set up with the antirip technology disabled, with the seismic sensitivity calibrated, with roller sensitivity set on 15 impulses and displaying ON. When a variation of these configurations is requested, check the paragraph on programming (n.6). Otherwise, secure the upper lid and

verify the correct functioning through LED reports.

### 1.2 Seismic installation

When this function isn't needed, skip this paragraph.

**6 Programming and calibrations**

**DIP 1 Pos ON** LED Off disabled displaying

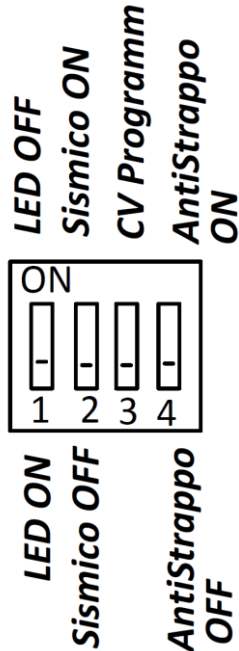
**DIP 2 Pos ON** seismic mode is on

**DIP 3 Pos ON**

Roller impulses calibration

**DIP 4Pos ON** Antirip mode is on

**Default: DIP in Pos OFF**



**6.1 LED OFF**

**DIP 1 PosON**

If you want to disable the LED displaying, set the DIP 1 on ON and close the cover, the leds will go off in 2 minutes, to verify the right functioning of the sensor.

**6.2 Seismic calibration**

The sensor has its calibrated sensitività by default. If you want to change it, follow these steps



position the **DIP on OFF**. Push the Tamper key and position the **DIP 2 on ON**, release the Tamper and wait for the GREEN LED to turn on. This confirms the system is now in calibration mode. Hit the frame or the window 10 times (you choose the intensity you need). Every hit the system acquires will be confirmed by the blinking of the GREEN LED.

The sensor sets the new sensitivity limits, based on the average hit, for the alarm condition. The calibration will end when the LEDs will blink alternately, otherwise the previous limits will stay put. To restore the initial sensitivity, enter the calibration mode and push the Tamper key.

**6.3CV Rapid contact (Roller)**

Connect the roller between the clamp (-) and (CV-IN); the alarm is reported on the CV-OUT output. It's possible to change the number of impulses through the following procedure: while pushing the Tamper, set the **DIP3 on ON**; the leds will blink to show the system is in programming mode. Release the Tamper and generate the number of impulses you want: at every impulse, the GREEN LED will blink to confirm the right acquisition of the impulses. Position, now, the **DIP3 on OFF**

**6.4Antirip**

**DIP 4 Pos On**

Any attempt of removal from its position, will generate a Sabotage alarm.

**ADDITIONAL INPUTS (NC)**

On this clamp, it's possible to connect an outern contact that will work in AND with the main contact.

**LOW BATTERY report**

The low battery report is shown on the sensor through the blinking of the RED LED.

At the same time, the sensor will send the low battery status to the DeUnire, on the BATT LOW output.

Change the battery within 15 days.

To replace the battery position the alarm system in MAINTENANCE mode, open the sensor, remove the battery, push the tamper button repeatedly and insert the new battery and close back the lid and the eventual door with the magnet. The sensor will predispose to heating and after the SELF TEST, afterwards it will be enabled to operative functioning. This will take 2 minutes. Once the lid is closed, you can exit from MAINTENANCE mode on the board.

**8 WARNING:**

- explosion danger if the battery isn't replaced correctly. Replace it only with an equal or equivalent type.
- In case the battery shows leakage of liquid, change it immediately. Afterwards, clean your hands if you touched the fluid.

**Warning:** Because of its small dimensions, the product can be ingested easily. Keep away from children.

**11 INFORMATION RELATING TO THE DISPOSAL (RAEE GUIDELINE)**

- Warning: don't throw this product in the normal trash bin!
- The electrical and electronical equipment must be managed separately in accordance with the legislation requesting the management, the disposal and recycling of such products

**DISPOSAL OF THE BATTERY:**

Warning: the battery contains polluting substances, therefore it must be put in special predisposed to the collecting and disposal of polluting waste.

The correct disposal of this product will contribute to the right treatment, recovery and disposal, preventing an eventual negative impact on the environment and on human health. Penalties may be imposed in case of non compliance of the 151/05 Legislative Decree.

Alarm display		
Alarm	Green led	Red led
Magnetic	ON	OFF
Seismic	OFF	ON
Rapid contact	Lamp	Lamp
Aux contact	Lamp	ON
Tearproof	Lamp	OFF
Tamper	ON	ON

DATA	
Power supply	½ AA 3,6 V
MAX absorption	10 mA
Absorption at rest	30 uA
Alarm length	3 sec.
Working temperature	-5°C / +55°C
Transmission frequency	868 FM
Battery	3,6 V ½ AA 2,4 A Lizio
Battery life	3 anni
Humidity	95%

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