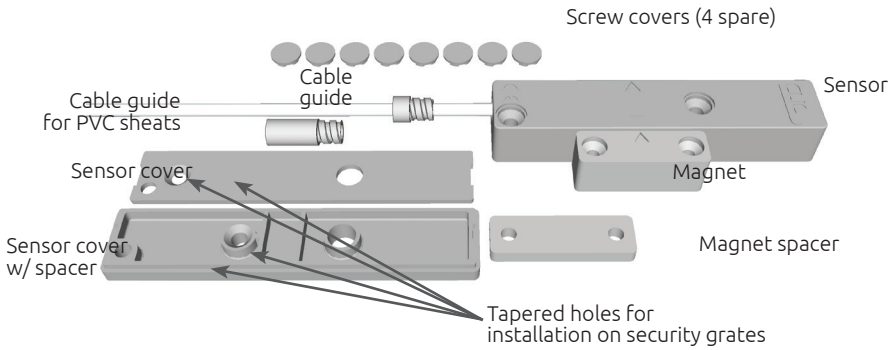
Magnetic vibration detectors CLV-series
CLV-03M models, surface mount with integrated anti-masking magnetic contact

1. TECHNICAL FEATURES

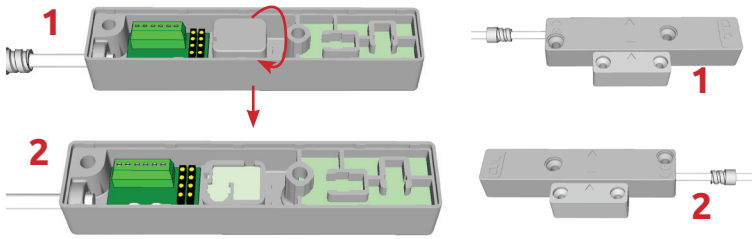
* Dimensions in mm (l x w x h): 108x17x22
* **Compatible with the most common analysis boards, including the ones integrated in recent alarm panels**
* Electrical parameters (max): 30VDC, 250mA, 0.25W
* Resistance to mechanical shocks: 100G
* **No positioning constraints**: CLV-02 can be installed in any orientation, horizontal or vertical, without any degradation in their performance
* For optimal results, install it next to the area where the burglar is most likely to act, e.g. next to the door or window's lock
* Fiber-glass reinforced polymer case
* Modular cable exit system: short cable guide, long cable guide for PVC sheats (8mm ext.diam.), compatible with stainless steel security sheath art. no. CLH-2G10
* 6 position terminal block with carriages
* Integrated anti-masking magnetic contact
* Operating gap (magnetic contact - in line installation): D max = 15mm
* Maximum axial gap (magnetic contact - in line installation): X max = 8mm

2. PACKAGING

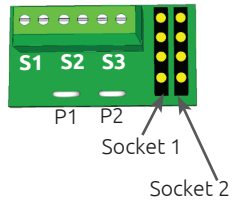


3. CABLE EXIT

* The sensors is configured for a left cable exit by default (see fig.1)
* To configure the sensor for a cable exit on the right rotate by 90 degrees the sensor module, as shown in fig. 2.



4. WIRING



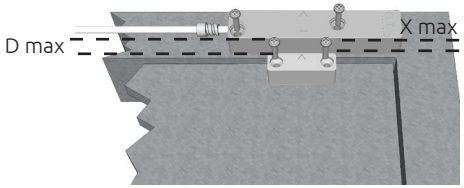
* Electrical configuration:
* S1: magnetic contact - closed with magnet in safe position.
* S2: primary inertial sensor - closed circuit with sensor at rest.
* S3: magnetic tamper - closed circuit in the absence of external magnetic fields.
* The magnetic tamper circuit must be connected to a 24h port of the control uni. If you are using a VAS series analysis card, it is also possible connect the S3 magnetic tamper circuit in series with the primary circuit S2 and connect the series to the input port of the VAS card.
* The primary circuit S2 must be connected to an analysis card for inertial or to a port configured for fast pulse counting of the control panel.
* To obtain double balancing on the contact, cut the jumper P1 and insert a PLUG2-r of the configuration desired in Socket 1
* To balance the inertial sensor, cut the jumper P2 and insert a PLUG2-r of the configuration desired in Socket 2. In case you are using a card VAS-400 or VAS-800, use a PLUG2-2K2

5. INSTALLATION

* For installation on **walls, doors or windows**:
  * Close the detector with its cover, and fix the sensor to the wall or window frame using screws that go through the main holes of the detector's case.
* For installation on **security grates or metal bars**:
  * Fix the sensor cover to the bar using the tapered hole.
  * Use the main central hole of the sensor case to fix it to the cover and to the bar.
* Screw covers are anti-tamper, and **should be positioned only after testing is complete**.
* For a better sensor/magnet alignment, use either the sensor cover with spacer, and/or the magnet spacer.

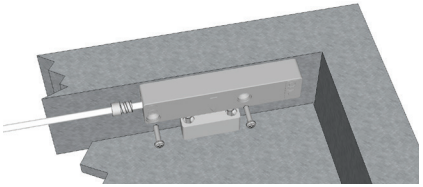
6. IN LINE INSTALLATION

* The picture shows a typical installation in-line.
* Try and align the magnetic contact arrows as much as possible
* For maximum security:
  * **Minimize operating gaps.**
  * **Use anti-removal security screws.**



2. RIGHT-ANGLED INSTALLATION

* The picture shows a typical installation in line configuration.
* Try and align the magnetic contact arrows as much as possible
* For maximum security:
  * **Minimize operating gaps.**
  * **Use anti-removal security screws.**



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