

Description and functionalities

micro poli is a wireless multifunction sensor, in compliance with the wireless bidirectional 868 MHz protocol used by Ksenia Security. Inside a very small case characterized by an essential and minimalist design, micro poli is much more than a simple magnetic contact.

micro poli is:

- an **anti-masking magnetic contact** to detect the opening of doors and windows;
- an **inertial sensor** to detect the vibrations up to the breaking of glass/windows;
- **able to measure the inclination** of the window/door frame it protects, it allows the management of any type of window opening (casement window, tilt and turn window, bottom hung windows, etc.) which it would otherwise be impossible with only the magnetic contact.

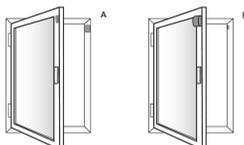
As anti-masking magnetic contact with two REEDs (long side/short side) inside the transmitter, it is extremely suitable for any type of door or window frames thanks to the installation position of the magnet with respect to the transmitter. It is also possible to activate only one REED to detect the opening of the window, according to the type of installation; masking attempts by applying a more powerful magnet outside the frame can be detected, in this case it triggers a masking signal while the opening of the contact triggers a Zone Alarm.

As inertial sensor, thanks to the 3-Axis accelerometer based on MEMs technology, when the vibration exceeds the programmed sensitivity threshold, it triggers an alarm.

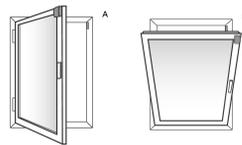
As advanced sensor, thanks to the 3-Axis accelerometer, it measures the angle of inclination of the window within which the zone is considered on idle and beyond which it triggers an alarm.

Solution for any type of installation

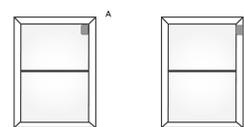
Side-hung window



Tilt and turn window can tilt inwards at the top and open inwards from hinges at the side



Fixed glazing window



A tamper switch against cover opening and its removal detects the removal from the frame or the opening of the case.

The lithium battery duration (CR2477 3V - not rechargeable) is guaranteed for 4 years.

The case is compliant with IP4X protection degree so that it can be installed also in case of humidity and condensation.

The height of the device can be adjusted by adding up to three shims to the transmitter and magnet bodies, to fit better most of frames installations.

Technical characteristics

Power supply: lithium battery CR-2477 3V (duration 4 years) included (monitor level battery)

Frequency: 868 MHz

Open Air Range: up to 300m

2 solid state REED switches

3-Axis accelerometer (MEMS technology)

Tamper switch against cover opening and its removal

Protection degree: IP4X

Temperature range: +5° +40°C

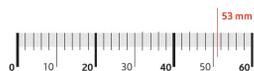
Transmitter dimensions: 39x52x22mm (LxHxW)

Magnet dimensions: 15x39x17mm (LxHxW)

Optional stackable shims for transmitter and magnet: height 2.8mm each

Quantity data

| lares 4.0 models | wls 96 | 16 | 40 | 40 wls | 140 wls | 644 wls |
|-------------------------------|--------|----|----|--------|---------|---------|
| Maximum number of WLS sensors | 32 | 16 | 40 | 40 | 64 | 64 |



KSI5008000.301 - white
KSI5008000.302 - black
KSI5008000.304 - brown

Why micro poli

- **because** it performs two types of operations: magnetic contact, inertial sensors;
- **because** it easily meets any advanced installation requirements as tilt and turn windows;
- **because** it is equipped with magnetic anti-masking
- **because** it includes the most advanced Wireless Technology, 868 MHz, completely bi-directional, professional and reliable;
- **because** it integrates the DPMS Technology (Dynamic Power Management System) which allows less interferences and extends the battery life;
- **because** in case of MULTI-RECEIVER system it is able to automatically choose the best radio path;
- **because** two REEDs contacts (long side/short side) and the possibility of adjusting the height of transmitter and magnet thanks to the application of stackable shims (optional), make it suitable to the different installation requirements.



PARTS INCLUDED

- 1 micro poli
- 1 CR2477 3V battery
- 2 double-sided adhesive pads (transmitter+ magnet)
- 1 lid lock screw (EN50131)
- 1 Installation guide

ACCESSORIES

- KSI5900004.00X - 10 stackable shims per pack - white (001), black (002), brown (004)

COMPLIANCE

- Europe - CE, RoHS
- EN 50131-2-6:2008 Grade 2 - Class I
- T031 2017 + A1:2018 + A2:2022

